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THE CANADIAN POULTRY REVIEW

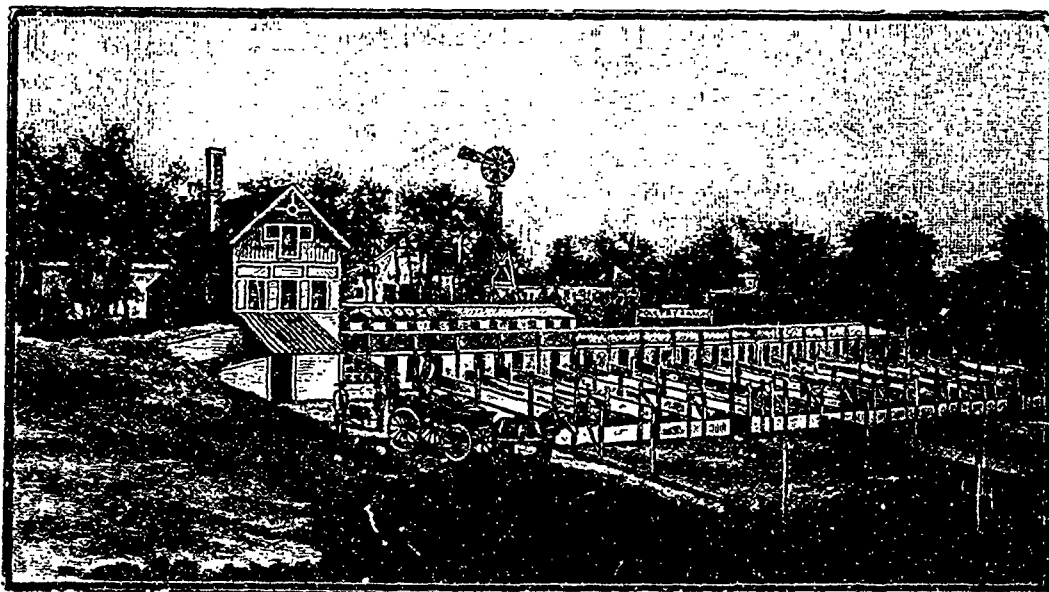
DEVOTED TO POULTRY, IN ALL ITS BRANCHES

PUBLISHED BY H. B. DONOVAN.

Vol. XIV.

58½ VICTORIA STREET, TORONTO, OCTOBER, 1891.

No. 10.



MANHATTAN PARK POULTRY RANCH, MINNEAPOLIS, MIN.

NOTES AND COMMENTS

MESSRS. F. D. LEWIS & BRO.,

AMSTERDAM, N. Y., have just purchased the Japanese Bantam cock that won 1st at the New York State Fair, Syracuse. They have also acquired the entire stock of white Polish Bantams owned by Mr. C. P. Earle, Gouverneur, N. Y.

MR. J. B. CLARK, DUNNVILLE, wishes us to say that since informing

his friends at the Industrial of his proposed removal to Buffalo, he has changed his mind and will still reside at his old address.

MANHATTAN PARK POULTRY RANCH. This month we give an illustration of this extensive farm. Fancy varieties of numerous kinds are raised as well as poultry for purely market purposes. Pigeons, Angora Rabbits and Fox Terriers also find a home on the "ranch." Mr. Herbert Austin is manager, the proprietor is Mr. T. F. Curtis.

THE GERRED INCUBATOR CO., TORONTO have patented their machine in England and have established an agency there.

SCOOPED THE AMERICANS.

This is what a local paper says of Messrs. Burn & Hansler, Tilsonburg Messrs. M. T. Burn and G. H. Hansler, breeders of poultry, of this town, won great honours with their birds during the past two weeks at the New York and New England state fair at Albany, N. Y. and the New York and Pennsylvania state fair at Elmira, N. Y. At each place there were large exhibits, but the Tilsonburg exhibit was far ahead of all competitors. Twenty-three first and eighteen second prizes were taken by Burn and Hans-

ler at Albany for the best pairs and breeding pens. At Elmira, they received 12 firsts and 3 seconds on breeding pens out of a possible 16 entries, and on single entries they got 53 firsts and 18 seconds, besides over \$40 in specials, including \$12 for the largest and best exhibit at the fair. These fairs are the most extensive and representative in the eastern states, and it speaks volumes for the breeding and varieties shown by this Canadian firm for them to receive the largest and best prizes given. Messrs. Burn and Hansler also made some extensive sales at these fairs. They have sent 200 birds to the Syracuse fair which opens to-day, and will also exhibit at Rochester and Trenton, N. J. This enterprising firm expect to attend the New York winter show in January, with a number of their birds.

MR. J. E. MEYER

is at present engaged in teaching at the Cobourg Collegiate Institute, and his brother in his absence has charge of his birds.

DETROIT EXPOSITION.

The books are in such a state that we have been unable to get a correct list of the winners. However, in some classes Canadian exhibitors took about all that was going. Mr. Geo. G. McCormick took almost all the prizes in buff Cochins, white Wyandottes, black Minorcas and Javas. Mr. "Billy" McNeill did well in dark Brahmas, white and black Cochins, Langshans, Dominiques, Polish, Hamburgs and Bantams. Mr. R. Oke won several cards in Hamburgs, Creve Cœurs, La Fleche, Bantams and Pheasants. Mr. H. Wallace won on white Plymouth Rocks and Mr. C. J. Stockwell on Houdans. In fact, as one exhibitor expressed it, "it was quite a picnic for the boys." The well-known Canadian judge, Mr. Sharp Butterfield, was Superintendent.

MR. T. A. DUFF, TORONTO,

bought the second prize white Minorca hen at the Industrial.

MR. C. H. HALL, KING,

at the same show bought a nice pair of white Cochin chicks which were awarded two third prizes, and in turn sold.

MR. G. G. MCCORMICK, LONDON,

the second prize buff Cochin cock at a rattling good figure. Mr. McCormick evidently means to have the best of what is going, and has secured a valuable sire in this bird.

AN UNPLEASANT INCIDENT

occurred to us at the Industrial. While taking notes of the birds an exhibitor slipped a package containing money into our hand with the polite request that we, when writing up the report give his exhibit of _____ (we won't mention the breed) an extra "puff." We need not say the "bribe"—it can be described by no other term,—was at once returned and with feelings of indignation. In a later conversation with this party he expressed regret and asked us if we thought he had done anything dishonorable, to which question we replied in no uncertain terms. He said he did not for a moment think he was acting in an ungentlemanly or dishonorable manner. We regret we cannot see it in this way.

HOW MANY TIMES

have we to impress on exhibitors the fact that we are always but too glad to mention birds as their merits deserve, on the other hand we are not at all afraid to criticise adversely, no matter who is concerned, when we deem such a course wise and just. But enough of a disagreeable subject, we trust we won't have to allude to it again.

SILVER WYANDOTTES.

Some breeders of this variety did not take our recent remarks in as good part as Mr. Meyer, and at the Industrial tried to persuade us that there was a marked improvement of recent

years; however, we yet fail to see it. Until, say three of each section, cocks, hens, cockerels and pullets can be selected from moderate sized classes, of a similar appearance, it cannot be said that they breed true to "type." Could this be done at the Industrial? not by any means. Three pullets might have been selected fairly alike, but even in the best three much dissimilarity appeared in the lacing. As for the old fowls, well in some cases it would be hard to say if they were Wyandottes or — what?

"FIXED" COMBS.

We spent a long time at these classes this year, and while looking them over an official of the newly formed Wyandotte Club was extolling a certain cockerel. We humbly pointed out several what we considered serious defects amongst which was an ugly comb with an upturned spike. "Oh, yes," he said, "but that must be fixed." Just so, and when "fixed" it will perhaps be sold to another breeder who sees amongst other points its good comb and breeds from it. What kind of progeny does he get? does this "fixing" alter its value for breeding purposes? If we are not much out several of the cocks' combs were "fixed." You don't see such sharp turns naturally formed.

WHITE IN EARLOBE

is another point that will need to be carefully guarded against, it is now altogether too prevalent.

THE WYANDOTTE CLUB.

The formation of this club should lead to a much more intelligent breeding of this fowl; on the club's list of members are names of many men who no doubt will make every effort to breed to some uniformity of type and lasting beauty of plumage.

POULTRY

MORTIMER'S MONTHLY MORSELS.

BY F. A. MORTIMER, POTTSVILLE, PA.

CONDITION powders cannot assist a hen to get something out of nothing. If the albumen is not in a large amount of food it will not be found in a teaspoonful of condition powders.

Most men never reform until they are too weak to do anything else.—*Galveston News.*

The hen product will fall off now, and all surplus fowls should be fattened and dressed nicely for table, use either at home or on the table of those who are willing to pay for them. This will be the most profitable way to dispose of them.

If you have a sickly or inferior bird in your yard remove it at once as it may ruin your reputation to a certain extent to keep such a fowl in the yard, as visitors are always calling, and to see such a bird in the yard may lose you a first class sale.

A very cheap way to fence poultry from the garden is to stretch three No. 12 wires quite tightly and then weave in common swamp willows, sharpening the ends and sticking them in the ground a couple of inches. This fence does not cost over six cents a rod and is very effective.

Never keep a cock for breeding purposes over two years.

Gapes consist, at least so far as actual symptoms extend, in a number of small worms which infest the wind pipe and cause the chicken to gasp for breath. If taken early it will be sufficient to give every day a morsel of camphor gum the size of a grain of wheat, and to put camphor in the drinking water, or a little turpentine may be given daily in meal. In fully developed cases the worm must be removed. There are various ways of accomplishing this, the most usual one, perhaps, being the introduction of a feather stripped almost up to the top into the windpipe, turned round and drawn out. Some persons oil the feather. One authority advises wetting it with a solution of twenty grains of carbolic acid and one ounce of glycerine. Another plan is to make the infected bird inhale the vapor of carbolic acid by placing a few drops on a red hot shovel, and holding the bird in the fumes until it is nearly suffocated. Another plan is that of placing the chicks in a box, covering the top with a piece of muslin and dusting fine lime through the cloth. The chick breathes, the lime, and as it comes in contact with the worms these are dislodged by the coughing of the chicks.

Except when communicated by others, gapes never occur unless there have been foul water, exposure to wet and want of nourishing food. A frequent occurrence of gapes, therefore, is a disgrace to any poultry yard. If cleanliness and carbolic acid disinfection are freely practiced gapes will not be.

In planning his poultry garden for next year no poultryer should neglect the sunflower, mammoth Russian. The soil must be very rich, when they will be found to be heavy croppers. The seed must be gathered as soon as ripe, else the Blackbirds will

destroy a goodly part. They should be stored where the chickens can't get at them, and then should be fed out not more than twice a week.

When you separate the sexes of adult birds in the summer they should be kept apart until they are all through moulting.

Let the big, growing young Brahmas and Cochins roost on the floor awhile longer, but keep their roosting places clean with dry earth or litter. The breast bones of such birds are apt to crook if they are trained too early to sit on perches.—*Ex.*

As the cool nights begin to come on, see that you have plenty of room in your houses. Don't let them crowd.

If the ground is not already frozen, cut a load of sods and pile them up in one corner of the hen-house. You have no idea how much the fowls will enjoy it through the winter.

The *Indiana Farmer* makes the statement that the hens of Kansas yield six times as much as the orchards, eight times as much as the market gardens and sixteen times as much as the potato fields of that State.

Do not let the cockerels run with the pullets until the latter are ready to lay. It will give better birds all around.

In picking out your birds for the show room, beware of crooked breasts, and crooked backs and crooked tails. A twisted feather in the tail will be cut a point and a half, but a twisted feather in the wing disqualifies.

To fatten geese, an experienced practitioner says: Put up two or three in a darkened room, and give each bird one pound of oats daily thrown on a pan of water. In fourteen days they will be found almost too fat. Never shut up a single bird, as geese are sociable and will pine away if left alone.

Gather up the unsalable cabbage the same as good cabbage, and bury it, so that in the cold winter months you can dig up a few heads and feed your poultry something green, when all out door vegetation is dead.

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POULTRY BREEDING.

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

No. 10.

EFFECTS OF IMAGINATION.

WHETHER imagination is able to affect the embryonic fowl is an unsettled question. It has been declared and received with unquestioning faith that this was the case; it has been mildly doubted; it has been declared that the effect of mental impressions were confined to fœtus bearing animals; and it is, in our day, generally declared among so-called advanced thinkers that the doctrine is groundless and preposterous.

It is very easy to deny a proposition and then fall back upon the principle that no one is bound to prove a negative, much easier than it is to establish the affirmative with satisfactory proofs. And yet, if mind is superior to matter, if each interacts upon the other, if our characters are written upon our faces,

if vicious or good thoughts habitually indulged in write an unmistakable record in the flesh, all of which any student of human nature will assent to, it is possible that mental impressions may affect the unborn young. It is easily said that this will be truer of viviparous than oviparous creatures, for the carrying of the young in the body gives longer time for the impressions to produce an effect, but, if testimony is to be credited, the effect is usually the result of a single rather than of repeated impressions and is thus produced almost instantaneously. If an instantaneous impression can effect the embryo, then oviparous creatures can, at the time the egg is fertilized or before its exclusion from the body receive impressions which will show in the young.

If it be true that mental impressions can modify the character of the young, and such modification really does take place, many things, otherwise, in our present state of knowledge, unintelligible, are susceptible of explanation. Some years ago, for example, a gentleman living in Melrose, Mass., had a flock of Plymouth Rocks, very dark ones, and they were the only fowls on the premises except a few black-red Game Bantams. Late in the spring, when he was saving eggs for hatching, there came a very heavy snow-storm, making everything snowy white. From eggs laid at or about this time was hatched a cockerel white as snow. A case of "sporting," it will be said, illustrative of the tendency towards albinism and this may be true, but what is "sporting," or rather what is its cause? May it not be that these so called freaks of nature are but the product of unknown but reasonable laws, and that possibly mental impressions may be the unknown factor or one of them? Again, a man keeping several varieties in sight of each other but with no chance of contact, finds now and then a chicken marked in whole or in part like the

neighboring variety. He is certain that no crossing has taken place, for the fowls have been carefully yarded, but still this marking appears. So far as he knows or can learn there is no ancestor to which the chickens can revert, with such marking. How is he to explain the phenomenon? If the doctrines of mental impressions be true, there is no difficulty whatever, but the explanation is ready made to his hand.

I do not wish to be understood as asserting that this doctrine is fully proved. On the contrary I am painfully aware that much of the proof advanced to support it needs verification and even if true falls short of substantiating the doctrine. But there is enough proof to require something more than pooh-poohing to brush it aside, enough in fact to make it of consequence for breeders of several varieties to so arrange their pens that not only actual contact of different varieties is impossible, but that the impressions received through the eye may be such as to aid rather than hinder the end the breeder has in view. It is probable that if a breeder of barred and white Plymouth Rocks striped the houses and fences where the barred fowls were kept, with alternate lines of black and white, and painted the houses and fences of the white fowls with white lead, he would be regarded as a "crank," but it is not absolutely certain that he would be doing an unwise thing. Many a sane man is dubbed a "crank" in his day and generation, only to be called a prophet in the next generation. At any rate, this is a subject worth investigating and worth taking a little pains to ascertain the truth.

It is quite probable that the effects of imagination, or of mental impressions, are comparatively slight and infrequent, even if they exist, being kept in subordination to other more dominant principles of breeding. If a man,

therefore, should set out to investigate this subject by means of an elaborate series of experiments, he need not be surprised at the paucity of the facts obtained in its support. But he is to remember that failure, like the glasses of Rip Van Winkle, don't count, and that one fact obtained is of more value than a hundred negative results. It is in the interest of sound knowledge that such experiments should be made by men capable of guarding every avenue through which error could creep in and of sufficient ability to report accurately the facts. If such experiments were properly conducted for a series of years we would eventually know more about this at present little understood subject, and would have a valuable series of facts from which to draw conclusions of some worth. At present our theories are little more than guesses at truth, resting as they do upon insufficient and more or less unverified observations.

OWEN SOUND ASSOCIATION.

ANNUAL MEETING.

A MEETING of the Owen Sound Poultry and Pet Stock Association was held at the Johnson House on Tuesday evening, Sept. 22nd for general business. The President, Mr. John Chisholm in the chair; 12 members present. After discussing several matters the dates for their winter show were fixed for the 15th, 16th, 17th and 18th Dec. 1891. We also have secured the services of the old veteran judge, Mr. I. K. Felch. The officers elected were: President, Mr. John Chisholm; 1st Vice-President, Mr. Jas. Penny; 2nd Vice-President, Mr. Harry Wright; Secretary, Mr. Jas. McLaren; Treasurer, Mr. F. W. Harrison; Board of Directors, Messrs. D. Comely, E. Trist, T. Davie, J. C.

Benner, R. McLaren, J. Ramsay, W. Fleming; Auditors, Mr. Harry Wright and Mr. E. Trist.

JAS. McLAREN,
Secretary.

PRESENTATION TO MR. DILWORTH.

ON Thursday, Sept. 17th, Mr. J. Dilworth, was invited to meet some friends in the board room of the Industrial Exhibition Association when the following address was read by Mr. T. A. Duff, and a silver service accompanying it with tray, suitably engraved, was presented by Mr. W. Barber.

TO JOSEPH DILWORTH, ESQ.
*Chairman of the Poultry Committee,
Industrial Exhibition, Toronto,
1891.*

DEAR SIR,—

The Poultry, Pigeon and Pet stock fanciers of Ontario desire to convey to you their thanks for the deep interest you have taken during the past fifteen years in poultry, pigeons and pet stock in this province and to express their appreciation of the valuable aid you have given during that time. To your assistance and co-operation is largely due the success of our various associations. You have ever been the most active and unselfish worker in our behalf, ready at all times to devote your valuable time and attention to our interests, and ever watchful and enthusiastic in the protection of those interests, and we would be ungrateful indeed, did we not appreciate the voluntary efforts you have for so long a time put forth on our behalf.

We trust you will accept the accompanying few pieces of silver as an evidence of our appreciation of the valuable services you have so self-sacrificingly and for so long a time rendered us as associations of poultry, pigeon

and pet stock fanciers throughout the Province. We wish you a long and successful life and trust that throughout you will be able, as we know you will be willing, to continue in our interest that valuable aid and co-operation you have so freely given us in the past.

Signed on behalf of the poultry, pigeon and pet stock fanciers of Ontario.

W. BARBER, ALLAN BOGUE,
C. F. WAGNER, H. B. DONOVAN.
THOS. A. DUFF.

Toronto, 17th Sept., 1891.

Mr. Dilworth replied in fitting terms, and was congratulated by Major Gen. D. R. Cameron, Kingston, and Major James Mason, Toronto, who were present and who alluded to his work in connection with the Messenger Pigeon races.

TORONTO POULTRY, PIGEON AND PET STOCK ASSOCIATION.

THE regular meeting of the above Association was held at Richmond Hall on Thursday, the 10th Sept. The President, Mr. W. Barber, in the chair. The minutes of the last meeting were read and adopted.

Mr. Robt. Dursion was proposed by Mr. T. A. Duff and accepted. Moved by Mr. Hobden, seconded by Mr. Otter that the Secretary be instructed to write a letter of condolence to the parents of the late Walter Weisman, carried. Moved by Mr. Davies, seconded by Mr. Bache, that the Secretary draw up a petition to be signed by exhibitors at Toronto with a view to reduce the entry fees of the Ontario Poultry show, carried.

The meeting adjourned at 10 p.m., receipts \$1.00.

JOHN GRAY,
Secretary.

SPECIALTY CLUBS.

Editor Review:—

AS the show season opens, the place of meeting of the Specialty Clubs becomes of interest.

Let us hear through your columns which is the principal show of Canada and what inducements can be offered to turn the tide in your direction.

The South, the East and the West have been cared for, on to Canada should now be the word.

Come, fanciers! raise your voices, and let your call resound throughout the land.

A FRIEND FROM THE STATES.

CANADIAN WYANDOTTE CLUB.

THE first meeting of the Canadian Wyandotte Club was held at Toronto on Thursday, 17th Sept. Mr. S. M. Clemo in the chair. The following gentlemen were elected officers for the ensuing year: Hon. Pres., W. C. G. Peter; Pres., T. H. Scott; 1st Vice-Pres., S. M. Clemo; 2nd Vice-Pres., C. J. Daniels; 3rd Vice-Pres., C. E. Baldwin; Sec.-Treas., John Gray. Ex-Committee, J. E. Meyer, Robt. Bloye, A. W. Graham, A. G. H. Luxton, T. R. Wood, E. J. Otter.

LIST OF MEMBERS.

T. H. Scott, St. Thomas; G. G. McCormick, London; Robt. Bloye, Todmorden; E. J. Otter, Chester; M. Parmenter, C. J. Daniels, T. R. Wood, Toronto; C. E. Baldwin, Barnston, Que.; J. E. Meyer, Kossuth; Mr. Haycock, R. E. Kent, Kingston; A. W. Graham, St. Thomas; C. R. Bache, Toronto; S. M. Clemo, Dunnville; W. C. G. Peter, Bay City, Mich.; A. G. H. Luxton, Hamilton; John Gray, Todmorden.

The rules were adopted for the ensuing year and will be forwarded to each member. Special prizes are offered for competition of members of the Club at the Ontario Poultry show. A more complete report will appear later.

JOHN GRAY,
Secretary.

POULTRY ASSOCIATION OF ONTARIO.

MEETING OF DIRECTORS, SEPT. 17, '91.

IN the absence of the President, Mr. A. Bogue, London, Vice-President occupied the chair, the other members present being Messrs. McNeil, London, Barber & Wagner, Toronto, Cole, Hamilton, Oldrieve, Kingston, Trew, Lindsay, Knight, Moorecraft and Hern (Secretary), Bowmanville.

Mr. Janes, the Deputy Minister of Agriculture for Ontario was present and spoke on the affairs of the Association in connection with the Department. Mr. Janes was desirous that more matter of a practical nature be supplied for the annual report of which large numbers are distributed all over the Province and stated the Department would look to the Directors to supply this want.

Mr. A. G. Gilbert, Superintendent of the Poultry Department of the Government Experimental Farm, Ottawa, was present and addressed the meeting on topics of mutual interest, but more especially on poultry from a practical and remunerative standpoint.

Mr. Gilbert spoke warmly of the REVIEW and regretted that the government could not see its way clear to appropriate a sum of money to permit of the annual report being freely illustrated, printed in connection with REVIEW, and distributed broad-cast.

The date of the annual exhibition was fixed for the week commencing Jan 6, 1892, and the following changes were made in the list. The entrance fee on fowls to be changed to 50c. each and the 10 per cent on special prizes cut off. The word standard inserted in any other variety Game classes. Wyandotte classes increased to silver, golden, black and white; Red Caps added. Rose-comb Leghorns increased to two classes *i.e.* white and brown. The word standard struck off any other variety classes, and a third prize of 50c. added to fowls, chicks, turkeys, ducks and geese. Messrs. Butterfield, Jarvis and Smelt were chosen judges to take the same classes as at last show. After a cordial vote of thanks to the Industrial Board for the use of the board room, the meeting adjourned.



WESTERN FAIR.

LONDON.

Special Report.

THE Western Fair, London, opened up with grand weather which continued throughout, much to the pleasure of the Directors and people generally interested in the welfare of what has become one of the most successful fairs in America, being second only to Toronto, and in some respects more attractive than that of our own city.

The poultry exhibit is indeed a fine display. Very many of the winning birds at the Industrial figure prominently in the red and blue tickets but we find that the warm weather and close confinement is telling on some of the fast

growing youngsters, and some of the old birds too. The poultry exhibit this year was held in what was the Kennel Department. Cannot just say whether it is an improvement or not, there is certainly much more room but things are yet in rather rough shape and it is to be hoped that the Directors may see their way clear (on account of the big surplus they are likely to have this year) to refitting and placing new coops in the building, the coops are needed very badly. The Asiatics are out here in strong force, the light Brahma chicks are the most forward we have seen this year, Thorpe & Scott coming well to the front in this line. Buff Cochins are out in strong force, all being first-class birds; other Asiatic winners were mostly Industrial winners, also the Dorking, Hamburg, Polish and Bantam classes; Plymouth Rocks and Wyandottes of all classes were well represented, there being seventy-four of the latter variety (Wyandottes). Black Minorcas were twenty strong, the unnoticed black cockerel at Toronto which should have had an easy win takes the first here. Some very nice whites shown by Scott beat the Toronto winners. Some strong competition in Leghorns, there being 34 whites and 26 browns. We noticed a pair of chicks in any other variety class called Excelsiors with a red ticket, they are something new in name, but in reality are a very poor pair of rose-comb brown Leghorns, and we cannot understand why such mongrels are encouraged at all.

PRIZE LIST.

BRAHMAS—Light, 1st Thorp & Scott, 2nd D Bogue; chicks, 1st Thorp & S, 2nd H Tozer. Dark, 1st L Sage, 2nd D Bogue; chicks, 1st same, 2nd Sage. **COCHINS**—Buff, 1st and 2nd G G McCormick; chicks, 1st do, 2nd Bartlett & George. White, 1st W McNeil, 2nd R B Millard; chicks, 1st McNeil, 2nd Bogue. Black, 1st McNeil, 2nd Bogue; chicks, 1st McNeil, 2nd Bogue. Partridge, 1st and 2nd Bogue; chicks, 1st and 2nd do. **LANGSHANS**—1st and 2nd McNeil; chicks'

1st do, 2nd W McLeod. **JAVAS**—Black, 1st McCormick, 2nd Tozer; chicks, 1st McCormick, 2nd Tozer. **DORRINGS**—White, 1st and 2nd Bogue; chicks, 1st and 2nd do. Silver-grey, 1st and 2nd do; chicks, 1st and 2nd do. Colored, 1st do, 2nd Kains Bros; chicks, 1st Bogue, 2nd Kains Bros. **PLYMOUTH ROCKS**—White, chicks, 1st and 2nd R Scott. Barred, 1st C J Sippi, 2nd McLeod; chicks, 1st McLeod, 2nd Sippi. **DOMINIQUE**s—1st McNeil; chicks, 1st and 2nd do. **WYANDOTTES**—White, 1st and 2nd, McCormick; chicks, 1st and 2nd do. Golden, 1st J I Williams, 2nd Enblidge & Evans; chicks, 1st W Court, 2nd A W Graham. Silver, 1st and 2nd Tozer; chicks, 1st G Bedgegood, 2nd J E Meyer. **SPANISH**—1st B Kennedy, 2nd Loughrey & Skelly; chicks, 1st H Rinoon, 2nd B Kennedy. **MINORCAS**—Black, 1st and 2nd McCormick; chicks, 1st do, 2nd T A Duff. White, 1st R Scott; chicks, 1st and 2nd do. **ANDALUSIANS**—1st C Stockwell; chicks, 1st and 2nd do. **RED CAPS**—1st Dr Niven; chicks, 1st do. **LEGHORNS**—White, 1st Tozer, 2nd A M Robinson; chicks, 1st and 2nd do. Black, chicks, 1st and 2nd R Scott. Brown, 1st Tozer, 2nd Bartlett & George; chicks, 1st and 2nd Robinson. **POLANDS**—W C black, 1st McNeil, 2nd Bogue; chicks, 1st do, 2nd McNeil. White, 1st do, 2nd Bogue; chicks, 1st do, 2nd McNeil. G or S unbearded, 1st McNeil, 2nd Bogue; chicks, 1st McNeil, 2nd Bogue. Gold bearded, 1st McNeil, 2nd Bogue; chicks 1st McNeil, 2nd Bogue. White bearded, 1st McNeil, 2nd McLeod; chicks, 1st and 2nd McNeil. Buff, 1st and 2nd do; chicks, 1st and 2nd do. **HAMBURGS**—black, 1st McNeil, 2nd McLeod; chicks, 1st R Oke, 2nd J W Freeman. Gold pencilled, 1st McNeil, 2nd Bogue; chicks 1st and 2nd do. Silver pencilled, 1st McNeil, 2nd Bogue; chicks, 1st McNeil, 2nd Bogue. Gold spangled, 1st McNeil, 2nd Bogue; chicks, 1st do, 2nd McNeil. Silver spangled, 1st Oke, 2nd McNeil; chicks, 1st Oke, 2nd McNeil. **ANY OTHER VARIETY**—1st Oke (Sultans), 2nd Bartlett and George; chicks, 1st Williams (R C B Leghorns). **HOUDANS**—1st and 2nd Bogue; chicks, 1st and 2nd Stockwell. **CREVE CŒURS**—1st and 2nd Oke; chicks, 1st and 2nd do. **LA FLECHE**—1st and 2nd do. **GAME**—B R, 1st W Barber & Co, 2nd Butler; chicks, 1st W J Jarvis, 2nd E F Doty. Pyle, 1st Barber, 2nd Butler; chicks, 1st Barber, 2nd McLeod. Duckwing, 1st and 2nd Barber; chicks, 1st Thorp & Scott; 2nd Barber. A O V, 1st D O'Shea, 2nd J H Bilton; chicks, 1st and 2nd W McLeod. **BANTAMS**—Gold Sebright, 1st McNeil, 2nd Oke; chicks, 1st McNeil 2nd Oke.

Silver, 1st Oke, 2nd McNeil; chick, 1st McNeil, 2nd Oke. Black African, 1st McNeil, 2nd Oke; chicks, 1st McNeil, 2nd Oke. Pekin, 1st McNeil, 2nd Oke; chicks, 1st McNeil, 2nd R Robinson. Japanese, 1st Oke, 2nd McNeil; chicks, 1st Oke, 2nd McNeil. **GAME BANTAMS**—B R, 1st W Barber, 2nd Stapleford; chicks, 1st Butler, 2nd Barber. Pyle, 1st and 2nd Barber; chick, 1st McNeil. Duckwing, 1st and 2nd Barber; chick, 1st Barber, 2nd C Roe. A O V Bantams, 1st and 2nd Oke; chicks, 1st and 2nd do.

BREEDING PENS.

B Cochins, Geo G McCormick; S L Wyandottes, S David; White Leghorns, B Kennedy; Silver Polands, bearded, Wm A Gage; Pile Games, J B Swaffield; B B R Games, W J Jarvis.

TURKEYS—Bronze, 1st W Walker, 2nd Sippi; young, 1st Sippi. A O V, 1st and 2nd W H Beattie; young 1st and 2nd do. **DUCKS**—Aylesbury, 1st McLeod, 2nd Bogue; young, 1st do, 2nd McLeod. Rouen, 1st Bogue; young, 1st do: A O V, 1st McLeod, 2nd Bogue; young, 1st McLeod, 2nd Hide and Perkins. **GESE**—Toulouse, 1st Bogue; young, 1st do. A O V, 1st D Urquhart.

INDUSTRIAL EXHIBITION.

TORONTO.

HARDLY as many birds as last year were shown, and chicks in some classes were not as far matured as we expected they would be. Mr. C. J. Daniels, the superintendent and his subordinates gave the birds in their charge every possible care. The weather was exceedingly hot, and many birds suffered from a slight looseness of the bowels in consequence of which the pens the latter days of the show did not bear at all a delicate perfume. To guard against this another year, a liberal allowance should be made for disinfecting with one of the patent disinfectants. We will proceed to review

THE EXHIBITS.

DARK BRAHMAS—were a good lot; 1st cock a grand one, in fine shape.

immense toe feather, good sound color, nice comb; 2nd is yet rough, with a bad upstanding comb. 1st hen, large and well pencilled; 2nd and 3rd close up. 1st cockerel large and well developed, good tail, bright color, neat head and comb; 2nd not so mature, shows plenty of hock feather; 3rd a bit Cochiny in shape and too high in comb. A young unnoticed one very promising. 1st pullet, well grown, good head and hackle, fair comb, yet lacks leg feather; 2nd not so distinct in pencilling, and wattles not yet drawn, making head appear long; 3rd must have run it close.

LIGHT BRAHMAS—1st cock, large, good legs, fine tail, good hackle, high comb; 2nd too high standing for our taste, good color, broad, black tail, too beefy in comb; not so good in body as 1st, more cut away; 3rd a large, good shaped bird in bad feather and with an abominable comb. How is it so many light Brahmas are so bad in comb? It is a point which needs attention at the hands of breeders. No matter how good a bird is, a large, upstanding, ugly, beefy comb spoils his appearance. Chicks but a moderate lot; 1st cockerel large, yet raw, has a neat comb and good stout legs; 2nd too young to say much of him—his head is good with as yet a neat, low comb, good bright legs; 3rd the most matured of the lot, in perfect feather, good legs of a nice color and well feathered, nice distinct hackle, has a bad, loose comb with too thin a base. In the pullet class, the cards were all removed when we took our notes. This is a practice which should be stopped. The best grown one of the lot in nice feather, with good color, legs, tail and hackle did not win. She was placed 3rd, we think.

BUFF COCHINS—A very grand lot indeed; 1st cock an immense fellow, grand broad, back and breast, correct shape other than a bit high on leg, good buff under color, stout limbs, well-

feathered, an even color all over, a bit white in lobe; 2nd very shapely, well-feathered legs, broad breast and back, dark in color; 3rd narrower in breast, large comb, better color. 1st hen, very large, good even sound color, grand leg and toe feather; 2nd and 3rd very good, latter a bit rough in legs and pale in color. 1st cockerel well grown, good legs and feathering, moderate comb, fair color, a bit livery here and there, an easy win. Others good. 1st pullet is well grown, good legs, well feathered, plenty of fluff and cushion, neat head and comb, even color; 2nd very shapely plenty of leg and toe feather, good even color, nice cushion, looks yet a wee bit long in head; 3rd close up, an unnoticed pair with more age, will run them close. The other colors were better than usual, partridge especially turning out well.

LANGSHANS—A nice lot, 1st cock a big one, good color, shape and legs, comb fair; 2nd not yet fit, better comb than 1st, 1st and 2nd hens good all round, 1st chicks a well grown pair, good color, shape, heads and legs; 2nd close up, pullet rather pale in face. Others close up. A pair of whites, we noticed were awarded two 3rds in a wrong class.

PLYMOUTH ROCKS—barred, large and good classes. 1st cock big in body and good shape, well barred, moderate comb; 2nd a smaller nice one. 1st hen good, a trifle light in body, good color, bad comb; 2nd nice yellow legs, better comb than 1st, not so good in color. Others well up. 1st cockerel is good in body, well barred, bright legs, good comb, wattles and lobes; 2nd close up, but a bit smoky on thighs. 1st and 2nd pullets both well grown and good all round, not much choice between them, 1st perhaps, a little better in color. Some other very good ones unplaced. Whites were a very good lot and show improvement both in numbers and quality, a very even class.

MINORCAS, white—show no improvement over last year, rather the reverse if possible, no cocks shown. 1st hen, best of lot, typical shape, good comb. Youngsters fair. Black, 1st cock, a large one, nice shape and color, immense typical comb, good wattles, large smooth lobes; 2nd cock also a big one of good color, large comb not so well formed as 1sts, a bit light in legs; 3rd white in face, large comb but over at back. Hens all wrong; 2nd should be 1st, and 1st at most 3rd. Cockerels: We could not understand the judging here at all, a large bird of good shape, sound color, large typical comb and nice lobes was unplaced. He should have won, 1st should not have been at most higher than 3rd.

SPANISH—2nd cock had a larger and smoother face than 1st, and should have won easily. In hens, also an unnoticed one, (Hare, we think) was a very easy first, and we cannot see how she didn't win. Chicks a very moderate lot.

ANDALUSIANS. — 1st cock good shape, comb, wattles and lobes, 2nd, badly white in face. 1st hen, good color, 2nd a poor one. 1st and 2nd cockerels, very good in color, nice combs, lobes and wattles, well grown and in good trim. Pullets, good, especially 1st and 3rd. An old hen was in second pen when we took our notes.

DORKINGS—made small classes, but the birds as usual were of high quality.

JAVAS—a good lot, black, large classes. One pair each, old and young white shown, the legs of the latter are of a nondescript color.

POLANDS—as usual were confined to two or three exhibitors who showed birds of the usual high merit. All varieties were good, perhaps, especially the white crested black, and shown in excellent shape.

HAMBURGS.—We have rarely seen better. Classes were well filled and

quality high. Silver spangled chicks were an extra fine lot.

WYANDOTTES—Silver, did not make as large classes as we expected, a total of 25 shown. We can as yet see little or no improvement, the pullets seem yet the best of the lot, but rarely or never make good hens. 1st pullet has now the best breast of lot but will make a hen too light in color. An unnoticed one of Meyer's we liked as well as any and will likely make a fair hen. Golden, poor, 3rd pullet best laced of lot, but is white in lobe, grey over brows and shows an ash colored tip or two to feathers, good bright legs, she might have gone higher. The least said about the rest the better. Until the Industrial poultry judges withhold prizes from birds not worthy of mention, as Mr. Johnson did in the pigeon department last year and this, little improvement will be seen in several sections. For further notes of Wyandottes, see "Notes and Comments." Whites, three pairs old and four pairs chicks shown. The more we see of these the more we like their appearance. 1st cock, large, good clear color, nice comb and wattles, a bit white in lobe; 2nd, not so good in shape and comb; 3rd brassy with a bad comb. 1st hen, an easy win, good color, legs, shape and comb; 2nd not through moult and not so good in color or comb as 3rd. Chicks a lovely lot.

LA FLECHE—showed great improvement, old winners large with correct combs, good color and shape. Others good.

CREVE CŒURS—also much better than before. 1st and 2nd cockerels and pullets streets ahead of the others.

HOUDANS—were an exceedingly fine lot with few exceptions, the winners were large, of good color and shape.

DOMINIQUEs—only four birds shown of good average merit. Plymouth Rocks have taken their place.

LEGHORNS—White, 1st cock an easy win, good comb, a bit wrinkled in front, good lobes; 2nd a good bird, in poor shape. 1st hen, nice size, good shape, color and lobes, comb and wattles not yet out; 2nd a good one not through moult. 1st and 2nd cockerels close, of the two we prefer the latter. 1st pullet, a beauty all over, good comb and wattles, correct shape, in good feather, good beak and legs; 2nd close up, not quite smooth in lobe; 3rd a big well grown one. Brown, 1st cock, good color lobe and comb, white in face; 2nd smaller a J yellow in lobe; 3rd has a bad comb, white in face, good color. 1st hen, good shape and color, neat comb, pale legs; 2nd also fails in legs. 1st cockerel, well grown and in good feather, good comb, one wattle larger than the other, lobes yellow, good legs; 2nd, a young bird with a good comb, fails in shape of breast, should have given place to 3rd, good all over but pale in legs. Black cock, 1st, good shape, color and wattles, fair lobes and comb, very white in face; 2nd good comb and color, bad wattles and lobes, but very red face; 3rd has a face like a half bred Spanish. 1st hen, a neat one, good shape, color and lobe, 2nd, too small and fails in lobe; 3rd should have taken her place. Rose-comb whites, no cocks. Hens all wrong, an unnoticed one with rough legs was best in lot and should have won. 3rd should be 2nd. Two pairs nice chicks, well grown and good color, legs, beaks, and combs. Few browns shown and poor.

RED CAPS—were not numerous, but good birds took the cards. This is a variety which should be more cultivated, they are magnificent layers.

GAMES—made a good show. 1st,

pyle cock a tall yellow legged one, good color, long punishing head; 2nd, good; 3rd, willow with one very bad foot. 1st hen, a tight winged one, with pale yellow legs and dark beak, 2nd not so reachy, others fair. Chicks, a nice lot, 1st cockerel short in leg, fair in head, a bit long in wing; 1st pullet, best in lot, tall and reachy, yellow legs. 1st black-red cock, a big upstanding stout combed bird, good color and head, tail not in; 2nd darker in color with a bumble foot, might have given place to 3rd in better feather, though heavier in tail. 1st hen, a large one, good tail and wings, fair head, heavy behind and soft feathered, we thought 2nd, shown in poor shape, an easy win, she is smaller but hard in feather, with a good head and well carried wings, others good. 1st cockerel, well set up on good legs, good color, tail plenty heavy; 2nd better in tail, pale in face, carries his wings too low. 1st pullet very reachy, long slim head, good color and tail; 2nd close up, others good. Brown-reds, better than usual, taken all round a very good lot. Duck-wings, fair for this color, little improvement shown. Indian Games seemingly have not caught public favor in Canada, but 15 birds were shown in the 4 classes. 1st cock and 1st hen large with good limbs and typical shape. chicks nice, especially 1st cockerel.

Some nice SILKIES and SULTANS were shown in the variety class, the best of both we have yet seen.

GAME BANTAMS—1st black red, a fair color, long in wing and hackle; 2nd carries his wings low and they are too long, shows white in lobe. 1st hen is reachy with a good head and tail; 2nd darker and heavier in tail. In the cockerels, length of wing appears to be a prevalent fault. 1st good in breast nice short hackle; 2nd upstanding, shows white in face. Pullet, nice. 1st pyle cock, a good reachy bird, fair

head and slim tail; 2nd smaller, and his legs are placed well under him. 1st hen, good. In pullets, 1st was good and a neat unnoticed one should have been an easy 2nd. No brown reds shown. Duckwings fair, these classes show a big falling off.

POLISH BANTAMS—two pairs shown 1st cock has a smaller comb than 2nd.

PEKIN BANTAMS—1st cock, fairly short on leg, but has a comb like a Minorca; 2nd, too large and leggy, comb frozen; if color is not everything a little bird short on leg with a good tail and shape (unnoticed) was a very easy 1st. 1st hen, a good colored, short legged one, heavy leg feather, good tail and cushion; 2nd, good but not yet fit. 1st cockerel, small, has plenty of tail; 2nd, splashy in color, good yellow legs. 1st pullet, very rich color, heavy tail; 2nd high on leg and long on back.

JAPANESE BANTAMS—1st cock good one, not through moult; 2nd in better fit but is larger and higher on leg. 1st hen grand shape, nice broad head, short legs and good tail; 2nd close up. 1st cockerel and 2nd pullet nice whites (are they in correct class?) Others good black tailed.

SERRIGHTS—1st silver cock beautifully laced all over, grand color, a trifle cloudy in tail; 2nd not so good in comb, or perfect in lacing. Hens a nice lot, 1st an easy win, splendidly laced, nice legs and comb; 2nd and 3rd good. Chicks a very nice lot especially 1sts. Golds were the best we have lately seen and more of them than usual, cards well placed except in the case of cockerels, 1st is too dark and poor in lacing and might have changed places with 2nd.

BLACK ROSE-COMB—a beautiful lot all round, cards well placed.

A O V Bantams—nice white booted well shown, won in old class, white

Malays 1st in chicks and white booted 2nd.

BREEDING PENS.

These pens were quite a feature of the show, and numbered over 50. The quality was much better than it used to be, and it now takes good birds to win, in fact in some cases birds shown in this section could have won in the open classes. We have not space to go all through them, but give a list of the winners below.

POULTRY APPLIANCES.

No incubators were shown, frequent enquiries were made for the "steam hatcher." Mann's bone cutter was awarded a silver medal, and the model poultry yard and house shown last year got another medal.

TURKEYS, DUCKS AND GESE.

It is hard to say much in the way of criticism of these classes. They were good all through. We believe the first prize Bronze gobbler was sold to go to England. He is a magnificent bird, large good shape, nice plumage and legs.

PRIZE LIST.

BRAHMAS—Dark, cock, 1st Hall, 2nd Bogue, 3rd Hodgson; hen, 1st Wright, 2nd Hodgson, V H C Miles. Light, cock, 1st Hodgson, 2nd Penny, V H C Paton; hen, 1st Hern, 2nd Penny, V H C Cole. **COCHINS**—Buff, cock, 1st McCormick, 2nd Hall, V H C Haie; hen, 1st McCormick, 2nd Hare, V H C McCormick. Partridge, cock, 1st and 2nd Bogue, V H C Jackson; hen, 1st Wright, 2nd Bogue, V H C Jackson. White, cock, 1st McNeil, 2nd Hope & Son; hen, 1st McNeil, 2nd Hall & Co, V H C Hope & Son. Black, cock, 1st Bogue, 2nd Hall & Co, V H C McNeil; hen, 1st McNeil, 2nd Bogue. **LANGSHANS**—Cock, 1st McNeil, 2nd Eisele, V H C McNeil; hen, 1st McNeil, 2nd and V H C Hope & Son. **DORKINGS**—Colored, cock, 1st Bogue; *hen, 1st Bogue. Silver Grey, cock, 1st Hall & Co, 2nd Bogue, V H C Allin Bros; hen, 1st Bogue, 2nd Hall & Co. White, cock, 1st and 2nd Bogue; hen, 1st and 2nd Bogue. **HOUDANS**—Cock, 1st and 2nd Bogue, V H C Hobbs; hen, 1st Hern, 2nd and V H C Bogue. **LA FLECHE**—Cock, 1st Oke, 2nd W M & J C Smith; hen, 1st Oke, 2nd W M & J C Smith. **CREVE COURS**

—Cock, 1st Oke, 2nd W M & J C Smith hen, 1st Oke. **WYANDOTTES**—Black or white, cock, 1st and 2nd McCormick, V H C Gray; hen, 1st and 2nd McCormick, V H C Gray. Silver-laced, cock, 1st Luxton, 2nd Perfection Fanciers' Club, V H C Meyer; hen, 1st and 2nd Meyer, V H C Perfection Fanciers' Club. Golden-laced, cock, 1st Daniels, 2nd Woods; hen, 1st Daniels, 2nd and V H C Taunt. **PLYMOUTH ROCKS**—Cock, 1st Perfection Fanciers' Club, 2nd Allin Bros, V H C McLeod; hen, 1st Bennett, 2nd Hobbs, V H C Perfection Fanciers' Club. White, cock, 1st Wallace, 2nd Allin Bros, V H C Pequegnat; hen, 1st Wallace, 2nd Allin Bros, V H C Perfection Fanciers' Club. **DOMINIQUE**—Cock, 1st McNeil; hen, 1st McNeil. **GAME**—Black-red, cock, 1st and 2nd Main, V H C Barber & Co; hen, 1st Main, 2nd and V H C Barber & Co. Brown-red, cock, 1st and 2nd Doty; hen, 1st and 2nd Doty, V H C Mason. Duckwing, cock, 1st and 2nd Barber & Co; hen, 1st and 2nd Barber & Co, V H C Troth. Pile, cock, 1st Barber & Co, 2nd Chamberlain Bros, V H C Harrington; hen, 1st Barber & Co, 2nd Chamberlain Bros, V H C Doty. Indian, cock, 1st Daniels, 2nd Dunbar, V H C Davies; hen, 1st Daniels, 2nd and V H C Davies. Any other variety, cock, 1st Manson, 2nd and V H C O'Brien & Colwell; hen, 1st Manson, 2nd O'Brien & Colwell, V H C Luxton. **HAMBURGS**—Black, cock, 1st McNeil, 2nd Holmes & Gammage, V H C Oke; hen, 1st McNeil, 2nd Oke, V H C Wright. Golden Pencilled, cock, 1st McNeil, 2nd Bogue; hen, 1st McNeil, 2nd Bogue. Silver Pencilled, cock, 1st Bogue, 2nd McNeil, V H C Hope & Son; hen, 1st McNeil, 2nd Bogue, V H C Hope & Son. Golden Spangled, cock 1st McNeil, 2nd Bogue, V H C O'Brien & Colwell; hen, 1st McNeil, 2nd Bogue. Silver Spangled, cock, 1st Oke, 2nd McNeil, V H C Butwell; hen, 1st McNeil, 2nd Bogue, V H C Holmes & Gammage. **RED CAPS**—Cock, 1st Daniels, 2nd Jameson, V H C Daniels; hen, 1st and 2nd Daniels, V H C Jameson. **JAVAS**—Black, cock, 1st Daniels, 2nd Knight, V H C Robertson; hen, 1st Robertson, 2nd Daniels, V H C Knight. Any other variety, cock, V H C Luxton; hen, 2nd Luxton. **LEGHORNS**—White, cock, 1st Rice, 2nd Holmes & Gammage, V H C Hall & Co; hen 1st Rice, 2nd Graham, V H C Holmes & Gammage. Brown, cock, 1st Pletsch, 2nd Rice, V H C Pearn; hen, 1st Rice, 2nd Pletsch, V H C Pearn. Rose-comb brown, hen, 1st and 2nd Patterson, V H C Bache. Black, cock, 1st Pletsch, 2nd Dingwall, V H C Johnson; hen, 1st Pletsch,

2nd Johnson, V H C Otter. SPANISH—Cock, 1st and 2nd Hare, V H C Cuthbertson; hen, 1st Luxton, 2nd Ford, V H C Hare. ANDALUSIANS—Cock, 1st Luxton, 2nd Knight; hen, 1st Luxton, 2nd Dustan jr, V H C Stockwell. MINORCAS—Black, cock, 1st McCormick, 2nd Duff, V H C Webber; hen, 1st Laing, 2nd Webber, V H C Duff. White, hen, 1st Duff, 2nd Robins, V H C Laing. POLANDS—White-crested black, cock, 1st McNeil, 2nd Bogue; hen, 1st McNeil, 2nd Bogue. White, cock, 1st McNeil, 2nd Bogue, V H C Luxton; hen, 1st McNeil, 2nd Bogue, V H C Luxton. Silver, cock, 1st McNeil, 2nd Bogue; hen, 1st Bogue, 2nd McNeil. Golden, cock, 1st McNeil, 2nd Bogue; hen, 1st Bogue, 2nd McNeil. Buff, laced, cock, 1st McNeil, 2nd Bogue; hen, 1st McNeil, 2nd Bogue. Any color, unbearded, except white, cock, 1st Bogue, 2nd McNeil; hen, 1st McNeil, 2nd Bogue. Any other variety fowl, cock, 1st Jackson, 2nd Oke, V H C McCormick; hen, 1st Oke, 2nd McNeil, V H C McCormick. BANTAMS—Game, black-red, cock, 1st Doty, 2nd Murchison, V H C Henderson; hen, 1st and 2nd Barber & Co, V H C Doty. Duckwing, cock, 1st Barber & Co, 2nd Carwadine, V H C Doty; hen, 1st and 2nd Barber & Co, V H C Doty. Pile, cock, 1st and 2nd Barber & Co, V H C Doty; hen, 1st and 2nd Barber & Co, V H C Murchison. Rose-comb black, cock, 1st McNeil, 2nd Oke; hen, 1st Oke, 2nd McNeil. Golden Sebright, cock, 1st McNeil, 2nd Oke, V H C O'Brien & Colwell; hen, 1st Oke, 2nd McNeil, V H C O'Brien & Colwell. Silver Sebright, cock, 1st Oke, 2nd McNeil; hen, 1st Oke, 2nd McNeil, V H C Bache. Japanese, cock, 1st Oke, 2nd McNeil; hen, 1st Oke, 2nd McNeil. Pekin, cock, 1st Perfection Fanciers' Club, 2nd McNeil, V H C W M and C J Smith; hen, 1st McNeil, 2nd Oke, V H C Butwell. Polish, cock, 1st and 2nd Oke; hen, 1st and 2nd Oke. Any other variety, Game or Ornamental, cock, 1st Oke, 2nd Daniels; hen, 1st Daniels, 2nd Oke.

CHICKS OF 1891.

BRAHMAS—Dark, cockerel, 1st Otter, 2nd Miles, V H C Bogue; pullet, 1st Otter, 2nd Miles, V H C Bogue. Light, cockerel, 1st Paton, 2nd Cole, V H C Paton; pullet, 1st Cole, 2nd Jackson, V H C Paton. COCHINS—Buff, cockerel, 1st and 2nd McCormick, V H C Hall & Co; pullet, 1st McCormick, 2nd Hall & Co, V H C McCormick. Partridge, cockerel, 1st Daniels, 2nd Gough, V H C Brown; pullet, 1st Bogue, 2nd Readwin Bros. White, cockerel, 1st McNeil, 2nd

Bogue, V H C Robertson; pullet, 1st McNeil, 2nd Bogue, V H C Robertson. Black, cockerel, 1st McNeil, 2nd Bogue, V H C Hett; pullet, 1st McNeil, 2nd Bogue. LANGSHANS—Cockerel, 1st Eisele, 2nd McCormick, V H C Hall & Co; pullet, 1st Eisele, 2nd McCormick, V H C Hope & Son. DORKINGS—Colored, cockerel, 1st Bogue, 2nd Hall & Co; pullet, 1st Bogue, 2nd Hall & Co. Silver-grey, cockerel, 1st Bogue, 2nd Hall & Co; pullet, 1st Hall & Co, 2nd Bogue. White, cockerel, 1st and 2nd Bogue; pullet, 1st and 2nd Bogue. HOUDANS—Cockerel, 1st Stockwell, 2nd Hern, V H C Stockwell; pullet, 1st Stockwell, 2nd Hern, V H C Stockwell. LA FLECHE—Cockerel, 1st and 2nd W M & C J Smith; pullet, 1st and 2nd W M & C J Smith. CREVE COURS Cockerel, 1st and 2nd Oke, V H C W M & C J Smith; pullet, 1st and 2nd Oke. WYANDOTTES—Black or white, cockerel, 1st and 2nd McCormick, V H C Bloye; pullet, 1st and 2nd McCormick, V H C Cole. Silver-laced, cockerel, 1st and 2nd Perfection Fanciers' Club, V H C Meyer; pullet, 1st Perfection Fanciers' Club, 2nd Gray, V H C Meyer. Golden-laced, cockerel, 1st Graham, 2nd Daniels; pullet, 1st Woods, 2nd Graham, V H C Daniels. PLYMOUTH ROCKS—Cockerel, 1st Jackson, 2nd Bennett, V H C Perfection Fanciers' Club; pullet, 1st and 2nd Perfection Fanciers' Club, V H C Pequegnat. White, cockerel, 1st Wallace, 2nd Allin Bros, V H C Bloye; pullet, 1st and 2nd Wallace, V H C Allin Bros. DOMINIQUE—Cockerel, 1st Knight, 2nd McNeil. GAME—Black-red cockerel, 1st and 2nd Main, V H C Holmes & Gammage; pullet, 1st and 2nd Main, V H C Troth. Brown-red, cockerel, 1st Doty, 2nd Manson, V H C Doty; pullet, 2nd Doty. Duckwing, cockerel, 1st Barber & Co, 2nd and V H C Troth; pullet, 1st and 2nd Barber & Co, V H C O'Brien & Colwell. Pile, cockerel, 1st Doty, 2nd Chamberlain; pullet, 1st Doty, 2nd Barber & Co, V H C Doty. Indian, cockerel, 1st Perfection Fanciers' Club, 2nd Daniels; pullet, 1st Perfection Fanciers' Club, 2nd Davies, V H C Daniels. Any other variety, pullet, 2nd and V H C Manson. HAMBURGS—Black, cockerel, 1st McNeil, 2nd Oke, V H C Patterson; pullet, 1st Oke, 2nd and V H C Patterson. Golden Pencilled, cockerel, 1st Oke, 2nd McNeil; pullet, 1st Oke, 2nd McNeil. Silver Pencilled, cockerel, 1st McNeil, 2nd Bogue; pullet, 1st McNeil, 2nd Bogue. Golden Spangled, cockerel, 1st McNeil, 2nd Bogue; pullet, 1st Bogue, 2nd McNeil. Silver-spangled, cockerel, 1st Oke, 2nd McNeil, V H C Bogue;

pullet, 1st Oke, 2nd McNeil, V H C Holmes & Gammage. RED CABS—Cockerel, 1st Cook; pullet, 1st Cook. JAVAS—Black, cockerel, 1st Readwin Bros, 2nd Robertson, V H C Readwin Bros; pullet, 1st and 2nd Robertson, V H C Readwin Bros. Any other variety, cockerel, 1st Bloye; pullet, 2nd Bloye. LEGHORNS—White, cockerel, 1st and 2nd Rice; pullet, 1st Rice, 2nd Cole, V H C Holmes & Gammage. Brown, cockerel, 1st and 2nd Love, V H C Rice; pullet, 1st McNeil, 2nd Rice, V H C Love. Rose-comb, brown, pullet, 2nd Waddel. White, cockerel, 1st and 2nd Patterson; pullet, 1st and 2nd Patterson. Black, cockerel, 1st Johnson, 2nd Pequegnat, V H C Johnson; pullet, 1st Pletsch, 2nd Pequegnat, V H C Johnson. SPANISH—Cockerel, 1st Hare, 2nd Wright, V H C Hare; pullet, 1st and 2nd Luxton, V H C Hare. ANDALUSIANS—Cockerel, 1st and 2nd Dustan, V H C Stockwell; pullet, 1st Dustan, 2nd Knight, V H C Dustan. MINORCAS—Black, cockerel, 1st Woods, 2nd and V H C Duff; pullet, 1st and 2nd McCormick, V H C Duff. White, cockerel, 1st and 2nd Duff; pullet, 1st and 2nd Duff. POLANDS—White-crested black, cockerel, 1st Bogue, 2nd McNeil; pullet, 1st Bogue, 2nd McNeil. White, cockerel, 1st Bogue, 2nd McNeil; pullet, 1st McNeil, 2nd Bogue, V H C Luxton. Silver, cockerel, 1st Bogue, 2nd McNeil; pullet, 1st McNeil, 2nd Bogue. Golden, cockerel, 1st Bogue, 2nd McNeil; pullet, 1st McNeil, 2nd Bogue, V H C Wright. Buff, laced, cockerel, 1st and 2nd McNeil; pullet, 1st and 2nd McNeil. Any color, unbearded, except white, cockerel, 1st McNeil, 2nd Bogue. Any other variety fowl, cockerel, 1st Bogue, 2nd McNeil. ANY OTHER VARIETY—Pullet, 1st Jackson. BANTAMS—Game, black red, cockerel, 1st Doty, 2nd McNeil, V H C Barber & Co; pullet, 1st Barber & Co., 2nd McNeil, V H C Barber & Co. Duckwing, cockerel, 1st O'Brien & Colwell, 2nd Barber & Co; pullet, 1st Barber & Co., 2nd Doty. Pile, cockerel, 1st McNeil, 2nd and V H C Murchison; pullet, 1st Barber & Co., 2nd McNeil, V H C Murchison. Rose comb, black cockerel, 1st McNeil, 2nd Oke; pullet, 1st McNeil 2nd Oke. Golden Sebright, cockerel, 1st McNeil, 2nd Oke; pullet, 1st McNeil, 2nd Oke. Silver Sebright, cockerel, 1st McNeil, 2nd Oke; pullet, 1st McNeil, 2nd Oke. Japanese, cockerel, 1st McNeil, 2nd Oke; pullet, 1st Oke, 2nd McNeil. Pekin, cockerel, 1st McNeil, 2nd Robson, V H C Paton; pullet, 1st McNeil, 2nd Robson, V H C Butwell. Any other variety Game or

ornamental, cockerel, 1st Daniels, 2nd and V H C Oke; pullet, 1st and V H C Daniels, 2nd Oke

BREEDING PENS—Brahmas, 1st Penny, 2nd Hall & Co. Cochins, 1st McCormick, 2nd Hall. Langshans, 1st McCormick, 2nd Eisle. Dorkings, 1st Hall & Co. Plymouth Rocks, 1st Downes, 2nd Hall & Co. Game, 1st Barber & Co., 2nd Holmes & Gammage. Hamburgs, 1st McNeil, 2nd Luxton. Leghorns, 1st Cole, 2nd Fendly. French, 1st Hearn 2nd Luxton. Spanish, 1st Hare, 2nd Hett. Poland, 1st McNeil, 2nd Luxton. Andalusians, 1st Knight, 2nd Dustan. Minorcas, 1st Laing, 2nd Webber. Wyandottes, 1st Meyer, 2nd Luxton. Javas, 1st Robertson, 2nd Luxton. Bantams, Gaue, 1st Barber & Co., 2nd O'Brien & Colwell. Ornamental, 1st McNeil.

TURKEYS—Bronze, male, P. 1st, Main 2nd; female, Haycroft 1st, Main 2nd, Bell 3rd. Diploma, pair, Main 1st, Beattie 2nd. Any other variety, male, Beattie 1st and 2nd, W M and J C Smith 3rd; female, Beattie 1st and 2nd, W M and J C Smith 3rd.

GEESE—Bremen or Embden, male, Main 1st, Smith 2nd, Davey 3rd; female, Main 1st, Davey 2nd, Smith 3rd. Diploma, pair, Main 1st, Hodgson 2nd. Toulouse, male, Bogue 1st, Hodgson 2nd, Haycroft 3rd; female, Hodgson 1st, Holmes & Gammage 2nd and 3rd. Any other variety, male, Smith 1st Luxton 2nd; female, Smith 1st, Luxton 2nd and 3rd.

DUCKS—Rouen, male, Main 1st, Wallace 2nd, Knight 3rd; female, Main 1st, Knight 2nd, Wallace 3rd. Diploma, pair, Wallace 1st, Main 2nd. Aylesbury, male, Wallace 1st, Bogue 2nd; female, Bogue 1st, Wallace 2nd and 3rd. Pekin, male, Wallace 1st, Bogue 2nd, Wallace 3rd; female, Bogue 1st, Colson 2nd, Wallace 3rd. Cayuga, male, Luxton 1st, Smith 2nd, Luxton 3rd; female, Luxton, 1st and 2nd, Smith 3rd. Any other variety, male, Luxton 1st, Smith 2nd, Luxton 3rd; female, Luxton 1st and 2nd.

TURKEYS of 1891, male, 1st Bell, Main 2nd—Bronze, female, Main 1st and 2nd, Bell 3rd. female, Main 1st and 2nd, Bell 3rd. Any other variety, female, Beattie 1st and 2nd, Rudd 3rd; female Beattie 1st, Rudd 2nd, Beattie 3rd.

GEESE—Bremen or Embden, Luxton 1st, Main 2nd and 3rd; female, Luxton 1st, Main 2nd and 3rd. Toulouse, male, Bogue 1st, Smith, 2nd; female, Bogue 1st, Smith 2nd. Any other variety, male, Hoover 1st, Luxton 2nd, Smith 3rd; female, Hoover 1st, Smith 2nd Luxton 3rd.

Ducks of 1891—Rouen, male, 1st and 2nd Main; female, 1st O'Brien & Colwell, 2nd Main. Aylesbury, male, 1st Wallace, 2nd Main, 3rd Penny; female, 1st Wallace, 2nd Main.

Pekin, male, 1st Wallace, 2nd Colson, 3rd Otter; female, 1st Wallace, 2nd Colson, 3rd Bogue. Cayuga, male, 1st Smith, 2nd and J. Luxton; female, 1st Luxton, 2nd Smith, 3rd Luxton. Any other variety, male, 1st and 2nd Luxton; female, 1st and 2nd Luxton. Pair Guinea fowl, 1st Laing, 2nd Luxton. Pair Pheasants, Golden, 1st Donovan, 2nd Ames. Common Pea Fowl 1st Laing.

LEG WEAKNESS.

BY "BUFF AMERICAN."

Take notice an article on *Causes of Leg Weakness*, in one of our poultry papers, and as the writer has had not a little experience, we will venture a few remarks. There are many sources and various causes for this disease. In very young fowls it will be found in cockerels only. This kind of leg weakness I think, is traceable to some weakness on the parent stock that produced them, in some cases hereditary, in others, possibly, because the females were over-fat, having been fed too heavily on a corn diet and with too little exercise. It is also traceable to too rapid growth and not enough bone and muscle making food. They don't get enough meat food. We never saw any leg weak cockerels where allowed their freedom on a farm, but in a small enclosure, such as the city or village fanciers are obliged to use in rearing their chicks, they must be fed more meat food, also wheat and buck-wheat, and less corn. I never saw a leg weak pullet, it is always cockerels. Leg weakness in hens is sometimes caused by being confined on board floors raised from the ground, and these same hens having had unlimited freedom to go and come where, and when they pleased, previous to such confinement. Another reason is an exclusive diet of oats.

Oat hulls are hard things for fowls to digest and there are some hens that will await patiently for next time,

lying on the ground not seeking for other food. The oat hulls gradually fill up the gizzard and the fowl will lose flesh until nothing but bones and feathers remain, not exercising enough to cause good digestion. She will walk languidly about a few steps, then sink down on the ground. In this latter case, I have found a good dose of licorice powder to be an excellent remedy, repeating several times if necessary, and feed nothing but soft food for several days with plenty of fresh water. When she shows improvement, feed wheat thrown in coarse straw so she will have to work to get it; then again these same hens may be fed on corn too heavily while in confinement or even if allowed their freedom in the hot, dry summer months, when the ground is very dry and hard, if feed too largely on a corn diet the fowl becomes what the writer will term "*Foundered*." The trouble is then in the legs, joints, muscles and cords. This latter might also apply to males that have "gone down" in the legs. We came near losing a valuable cockerel the past season, (and did lose another,) by taking them from a pen of females and confining in a small room 8 by 10 with board floor covered with straw. The change from freedom and a liberal enclosed run to confinement and no exercise is too great, and will bring on soreness or weakness of legs and muscles, and then I'm quite sure but that depriving the male of his mates at this same time may have something to do in the case. Another cause of leg weakness is a severe strain on the nerves. The writer once had a golden Wyandotte male, with a diseased comb. This male was a valuable breeder so we thought we would amputate a portion of the comb. This we did successfully at one quick stroke with a very sharp blade. The trouble in the comb was entirely removed, and the comb healed, but the male could

never navigate after so severe a shock on his nerves. He had the same symptoms as those described in an article in the *Poultry Keeper*.

We have known males to get into severe fights which would fix them in the same way, especially if it happened to be moist weather. Males after fighting, *will stand around, and are apt to get chilled*, in which case, the entire system becomes weakened and the fowl will lose control of his limbs, and if another male should "go for him," he will attempt to run, making perhaps 15 or 20 feet, then fall to the ground exhausted. He will then attempt to get on his feet and get out of the way, and these attempts will be unsuccessful, and the fowl will grow worse until unable to walk at all, but simply stagger around, and when attempting to eat will fall over on his side, sometimes, utterly unable to get up without assistance. The hatchet is the only sure remedy.

Then there is a weakness, (this is seldom found in males,) in females, the hen attempts to eat, staggers and falls over, she cannot navigate well, has a peculiar movement of the head, "we boys" call it "star gazing." This weakness often penetrates the entire system and is sometimes caused by the males (in which case remove from the males) but more likely it is caused by some disease of the head which affects the neck and back and the fowl loses control of the legs. The hatchet is the best remedy for all such fowls, are worthless as breeders.—*Fanciers' Gazette*.

CARE OF DUCKS.

Fanciers' Gazette.

THE treatment of ducks when mated is of great importance, for all preparations will be useless un-

less there is a supply of eggs. Food given must be good and plentiful, but certainly not of a fattening nature, or the ovaries will become so clogged with fat that the birds will be unable to produce eggs; hence Indian corn should not on any account be used, except in very small quantities, because of its fattening quality. The staple food should be barley meal mixed with about half its bulk of thirds or pollard, if the barley meal be good and floury, but if it be of commoner quality then so much of the thirds need not be used. To this may be added a little oatmeal, but very little is necessary as it is too expensive for this purpose, and in order to obtain a supply of early eggs it is absolutely necessary to give meat in some form or other. Butchers' offal, liver, and scraps are all good, if well boiled, chopped fine, and mixed with the meal. But where these are not available, or in too limited quantities, there is nothing better than tallow greaves, or scrap-cake, as it is called in some places, being rich in the elements required. This should be broken up and boiled or simmered for a couple of hours, until it is quite soft, when it and the liquor in which it has been boiled should be mixed with the meal. Another excellent plan is to make a contract with hotels for taking all their waste scraps, and this can generally be done on satisfactory terms. Whatever is used in this way is better boiled and then mixed with the meal; but it is important to warn against use of diseased meat, which ought never to be employed. Some duck-raisers give boiled horseflesh to their birds, and if sound nothing can be better; but so many horses obtained in this way are diseased that it is necessary to utter a warning against their use. Of course meat given must not be too abundant, or the desired end will be missed, as the birds will become too fat; but if fed judiciously meat will give that

necessary stimulus to the egg-organs that is needed in winter, and yields elements required for a constant supply of eggs. Before mixing the meal there should be added a small quantity of seasoning, and for this purpose the best article we know is called Aromatic Compound for Poultry, sold in small tins. The meal should be well and thoroughly mixed, adding as much boiling water as is required to make it into a crumbly mass, for on no consideration must it be given sloppy. It is better to feed from troughs, as this prevents waste of food, and what is left can be removed when the birds are satisfied.

(To be Continued.)

MONTREAL EXPOSITION.

(By our own Correspondent.)

ONE thousand entries in the poultry and pigeon department of the Exhibition is the result of the work put in by the Poultry and Pigeon Committee. Never was there seen in this city at a fall exhibition such a large, varied and excellent collection of birds. The building was continually crowded by sight-seers, and of course the poultry and pigeon men could always be seen there passing judgment on the birds, etc. Too much praise cannot be awarded the Superintendent, Mr. Philpotts for his admirable care and attention to the show from beginning to end. We were glad to see birds from Ontario as well as their owners and it is to be hoped that both birds and owners will be seen here often in the future.

The judging was ably and expeditiously attended to by Messrs. Butterfield and Johnson. We had hoped to have published the prize-list in this number, but your correspondent was unable to secure it from the Exhibition committee, although he made repeated efforts to do so.

NOTES.

SINCE receiving the report from the Owen Sound Association we learn that the Council have generously repeated the grant given the Association last year, and have placed \$75.00 at its disposal.

The Industrial Exhibition Association tendered its usual lunch to the poultry exhibitors and others on Friday, stock-breeders' day, most of the prominent exhibitors being present. His Excellency the Governor General spoke at some length, diffusing the regulation amount of sacharine matter. The President of the Association, Mr. J. J. Withrow, replied. E. F. Clarke, Esq., Mayor of Toronto, and others made short speeches.

The silver medals for best collections at the Industrial were won by Messrs. Bogue, McNeil and Oke (Ornamental Bantams), London, and W. Barber & Co., Toronto, who got medals for both Games and Game Bantams.

Mr. James Main, who is familiarly known as "Grandpa," won the silver cup for black-red cockerel.

From what we seen many exhibits have suffered and are still suffering from the effects of the extreme heat during the past two weeks, and not a few have succumbed.

ANSWERS TO CORRESPONDENTS ON DISEASES, BREEDING, MANAGEMENT ETC.

Correspondents are requested to make full use of this column. The answers to enquiries as to diseases will be answered by a well-

known medical man and breeder. Please read the following rules carefully.

1. Give a concise, clear and exact statement of case, always giving age, sex, and breed.
2. Enclose 3 cent stamp for reply.
3. Report result, not necessarily for publication. *This is absolute.*
4. Acute cases requiring immediate treatment to be answered by mail in the first instance, later through POULTRY REVIEW for the benefit of our readers.
5. Write legibly and on one side of the paper only.
6. Answers to be to name in full, initials or *nom de plume*, the second—preferred.

QUE.—Please let me know through your next issue if white-crested black Polish should have any black feathers in front of crest over the beak.

Yours truly,

Carleton Place, Ont. W. H. THOMAS,

ANS.—Most birds have black feathers in front of crest, but of course the fewer the better.



Mr. J. H. Caylord, Box 1,168, Montreal is our Agent and Correspondent for the Province of Quebec. Any correspondence relating to subscriptions or advertising may be addressed to him.

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BY H. B. DONOVAN

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