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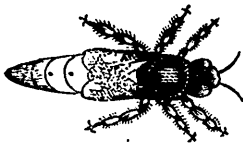
# Canadian Poultry Review.

DEVOTED TO POULTRY AND PET STOCK.

Vol. 2.

STRATHROY, ONTARIO, FEBRUARY, 1879.

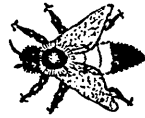
No. 3.



QUEEN.



DRONE.



WORKER.

## FIRST LESSONS IN BEE-KEEPING.

(Continued.)

Having purchased a hive of bees, as we instructed in our last number, we trust you have also got a good movable-frame hive, as without this you will be unable to see the inside of your hive. This contains comb of two kinds, namely, drone and worker; and comb contains honey, pollen, or bee-bread, and brood eggs. The honey is generally stored around the edges of the comb, with a cell here and there filled with pollen; and the large, black, or rather dark brown spot in the centre is the brood chamber, in which the bees are hatched. But what are those long things like an acorn, hanging from the side of the comb? This is the cell from which the "queen" or mother bee was hatched.

But I had forgotten that I had told you nothing about the different kinds of bees the hive contains. There are three, drones, queen, and workers; but at this season there are only two kinds, queen and workers. We give you above cuts of the different inhabitants of the hive. The drone, or male bee, is not very often seen in the hive in Canada until about the end of May or early part of June. They do no work at honey-gathering, but seem to have the best of life while it lasts, feeding on the hard-earned stores of the hive, and having a good time generally. You can tell them very easily, as they are nearly three times the size of the workers, and have a very peculiar hum when flying. You can catch them with your fingers by the score on a warm day at the entrance of the hive; having no

sting like the workers there is no danger. The less of these we can raise the better, and I would advise all young bee-keepers to keep the drone come well cut out. The cells are easily known, being much larger, and can be cut out with a sharp knife at any time. I would not leave more than about two inches square of drone comb in the hive. I have found that this is plenty, but many of our readers may not agree with me on this point,—if not, let us hear from them. Well, to return to our subject: you ask, What good is the drone to the colony? This we answer very shortly: only to fertilize the queen. And we are told by many prominent bee-keepers that having mated with a queen the drone dies at once. As soon as the store of honey seems to be getting scarce, about the end of August of 1st or September, you may see the workers dragging them out by scores, and killing the poor fellows without mercy. It is an amusing sight to see the little worker turning a drone three times her size over and over, till she has got him clear of the hive.

Having thus given you a description of the drone, we will pass on to the most important of all, the "queen." The queen, or mother bee, as she is sometimes called, is not so easily seen as the drone, generally being among the workers, and hard at work laying. I have found it very difficult at times to find the queen in a black hive, as she is so shy that you can rarely ever get a good chance to examine her. She is about an inch long, a red-

dish-brown in color, with bands of bright red or yellow round the abdomen, and a most beautifully tapering, graceful shape. From her the whole hive have their existence. She goes over every cell in the brood chamber, and where there is an empty cell there deposits an egg, from which, in a few weeks, comes a bee. But how does the queen have her existence? some will ask, A worker egg is taken and put into the acorn-shaped cell you saw on the card of comb, and given a good supply of "royal jelly"—which we will describe at some future time. It is then sealed up, and in a few days becomes a queen. She then, after a few days more, flies out and meets the drone; comes back to the hive and in eight days begins to lay. She is provided with a sting but very seldom uses it, except when fighting with another queen or a fertile worker. The Italian queen is far easier to find, as she is not nearly so shy nor so dark in color, being nearly always a bright brownish-yellow, and may be seen by taking out the frame, going on with her work as though nothing unusual had happened. This is a sight that every young bee-keeper ought to see, as it affords many a pleasant hour's study.

We now come to the last, but not least, the "workers." They are all females, and do the work of gathering honey, pollen, &c., and are the smallest of all in the hive, though not the best to handle at all times. She is provided with a sting, which she occasionally uses much to the discomfort of the bee-keeper, who is thus brought in mind of the proverb: "There is no pleasure that has not its sting." These little workers have to guard the hive from the attacks of enemies, and do all the work. They work very hard while they live, and store up for those who are to come after them; for we are told by many of the men who have spent their lives in studying the habits of the bee, that the worker only lives about six weeks in the honey season.

*To be continued.*

P.H.G.

There is a man named Thomas, I think, in Delaware, U. S., an old bee-keeper, and one who has taken many prizes on honey at our exhibitions; will he not send us something about the bees.

P.H.G.

**CRIPPLED BEES.**—Crippled and disabled workers are not tolerated in the bee commonwealth. They are at once condemned and ejected by the community, as not only useless, but injurious members, for whom no compassion is felt, and no mercy is in store. Crippled queens are reserved and cherished, though when they become superannuated and unproductive they, too, are discarded.

In winter we enjoy the fruits of the little honey bee's labor during the summer.

### Wax and the Honey-Comb.

Comb is made of wax, and when new is very white, and pure wax. The wax is a secretion of the body of the bee, and formed only when the bee is richly provided with food, like fat in the higher order of animals, but with this difference, that while fat grows upon the animals without their knowing it, the production of wax is entirely optional with the bee.

It is fully in the power of the bee to make wax, or not to make any. But if they are put into a new hive without any comb, before they can store away any honey, in order to produce wax the worker-bee takes in considerable more pollen and honey, both of which constitute their food, than is necessary to appease hunger. These materials are thoroughly digested and pass into the blood, from which it is secreted as wax, in the form of thin white scales, between the segments of the abdomen. As soon as the secretion of the wax has commenced, the bees begin at once to use the wax flakes for the construction of comb. This comb-building always begins at the top of the hive in the centre of the clustre of bees. and if it be a frame hive, they will commence at the top-bar, and if they are supplied with guide combs they will usually build the comb straight in the frame.

Now if this swarm of bees is supplied with ready-made comb in frames it will not build any, but only clean out the old comb and repair it, and commence filling it immediately with honey, pollen, and brood. By supplying them with old comb, you assist them very much, and they will fill their hives in a short time.

It takes about twenty pounds of honey to make one pound of wax, and according to this rule wax ought to be worth \$5 a pound when honey is worth 25 cents. But wax only sells for 30 cents a pound. I have sold in five years more than 2,000 pounds of honey, and during the same time but ten pounds of wax.

I save all the comb I can and give it back to the bees; if it is white comb I stick it in the boxes. If it is worker brood comb, I fix it in the frames; if it is comb which I cannot use in the boxes or in the frames, I put it in a shallow box and set in the sunshine, and as the sun melts the wax the bees carry it back to the hive, and I have every reason to believe that they use it again for comb-building.

To clean old combs, place them in some vessel that will hold water, laying them flat, one on the other, until the vessel is full, lay on a board and a stone to keep them from floating. Now fill the vessel with water and slacked lime. Let them soak twenty-four hours, then take out one at a time and with a fine broom, brush lightly but thorough-

ly on each side. Next put them into the extractor and throw out the water. Raise them in clean water, and use the extractor each time. Then stand them up singly in the shade to dry. Two or three days will not be too long to dry them. Then cut out all the drone comb and patch them up with worker comb, and they are ready for the bees.—*Farmer's Home Journal.*

### Eggs of the Bee-Moth.

The eggs of the bee-moth are entirely round and very small, being only about the eighth of a line in diameter. In the oviducts they are ranged together something in the form of a rosary. They are not developed successively like those of the queen bee, but are found fully formed in the ducts, a few days after the moth emerges from her cocoon. The female deposits them in small parcels or clusters on the combs. If any one wishes to witness the discharge of eggs, he need only seize by the head a female two or three days old, holding it between the finger and thumb. She will instantly protrude her ovipositor, and the eggs may be seen passing along the semi-transparent duct.

That the moth does not deposit her eggs in the pollen of flowers, as some imagine, but on the combs in the hive, is very certain. I have repeatedly found little clusters of eggs on combs which I removed out of hives.—*Dr. Donhoff.*

### Homing Antwerp Stations.

The following gentlemen have kindly offered to receive, properly care for, and liberate as instructed, any Antwerps intrusted to their care:—

St. Catharines, Ont.—A. W. Bessey.

Paris, Ont.—J. A. Chase.

Freeman, Ont.—J. Peart.

Strathroy, Ont.—Jas. Fullerton.

This list will appear each month, and we hope to receive the names of all who are interested in this fancy, and can attend to the duties set forth above.

For the Canadian Poultry Review.

### Homing Antwerps.

By J. VAN OPSTAL, 4, LEWIS ST. NEW YORK.  
(Continued.)

See how the Italian paper, *L'Esercite*, of June the 26th, announced the preparations of this remarkable prize race—remarkable for the reason of the considerable number of pigeons that took part in it, and the enormous distance that the birds had to fly, over regions where the highest mountains of Europe are situated:

"Yesterday morning at 5 o'clock, upon the Place of Independence, took place the great tossing of

th pigeons, organized by the Colombophilic Society of Belgium.

"A tossing of this kind is not without a precedent; but it is the first time that such a considerable number of pigeons took part in such a race.

"Before their departure from Belgium the birds were marked with red ink, between the numbers 1100 and 2167; they were countermarked at Rome with a second number in blue ink, from number 1 to 1116."

After having described how the birds left Brussels with bands of music, and in the midst of an enthusiastic multitude singing the national airs, and after narrating the incidents of the voyage, the *Norddeutsche Allgemeine Zeitung* finishes as follows in the number of the 28th of July:

"The King of Italy, with his retinue, came to assist, during one hour, the countermarking of the birds. This operation did not last less than ten hours, and the large room where it took place was continually full of spectators.

"As the tossing had to take place at the Place of Independence, twenty express wagons had been engaged to transport the baskets to the designated place. Twenty men that had been selected to perform the letting loose of the birds, were instructed to open the lids of the baskets at a given command. At 5 o'clock, a. m., precisely, the command resounded; all the lids were opened together. The birds came rushing out with great noise, and in a second they were all in the air. They formed in several groups, and took the direction of the north-east. The Belgian representative, and a number army officers, General Sonnaz included, and a great number of the public assisted at the letting loose. The Society of Aux la Chappelle had taken part in the race with 48 birds. They were liberated on the 23rd of June, at 5 o'clock, a. m., also, and, as previously related, one of the number arrived at his coop on the 2nd of July, at 12:35 p. m., being the first to arrive home of the birds that were set free at Rome. The 2nd of the German pigeons came home to his coop on the 13th of July in the afternoon, and belonged to Mr. Barmen. The first of the Belgian birds came home at 12:40 p. m. It belonged to Mr. Rey, of Underlecht, near Brussels. When the bird was brought to the seat of the society, all the members that were present felicitated Mr. Rey, and all the competitors in this prize race were apprised by telegraph of the arrival of the first bird. The Belgian pigeons that arrived later came in the following order: The 6th of July, at 9:56, a. m.—this pigeon belonged to Mr. Laurent Delmelle, of Enges; the same day, at 11:05, a. m., a bird belonging to Mr. Godeloigne, of Flemlle Grandes; the 7th of July, at 9:10, a. m., a bird owned by Mr. Gubelman, of Spa, &c."

Germany thus won the victory over Belgium, the country and home of the Carrier pigeon.

When the birds were set free at Rome the weather seemed very favorable for their early return, and hopes were entertained that they could make the distance in four or five days. This hope was not realized, as the first pigeon, the German one, only arrived back to his coop ten days after his liberation. This slowness is attributed to the dry, north-eastern wind, which during this time had blown with great severity in Belgium, France and Italy.

The Society Columbia, to which the honor fell, if one of the most important societies of Germany. We must also mention with pride the two societies of Berlin, La Fleche et la Berolina, which will measure their strength shortly in a race between Brunswick and Berlin, with their young birds. All these societies have annually several races, and in each race the government offers several prizes to be distributed among the winners. The first race with old birds had to take place on the 7th of July (a Sunday.) The fly was from Magdeburg. The *National Zeitung* gives an account of the race in the number of 11th July:

"On Sunday, July the 7th, the 51 pigeons that had to participate in the race, arrived at Magdeburg. They were marked with a special mark, and the hampers in which they were shipped had been closed with lead seals. At 8 o'clock, a. m., in presence of a great number of spectators, the letting loose took place at the depot of Magdeburg. This city is 142 kilometres (106 miles) from Berlin. The weather was very unfavorable; the air was covered with haziness, and the sun could hardly cut through the clouds. An eastern wind blew sometimes with great violence. As soon as the hampers were opened the birds took their bearings directly for Berlin, without any one keeping behind, and two minutes after their tossing they had all disappeared. At 11 o'clock the first bird arrived at his loft, having taken three hours to make the distance. It was a blue chequer belonging to Mr. Scheer, of Anstrasse. The 2nd bird arrived at 12:06; the 3rd at 12:07, the 4th at 12:10. The three first received gold medals, and the fourth a silver medal."

The second course for old birds took place between Hanover and Berlin. This race offered particular interest for the reason that a gold medal of elaborate finish and of great value was offered to the winner by the Emperor. The *Nord Deutsche Allgemeine Zeitung* gives the following account of the result of the race:

"On the afternoon of Saturday, July 20th, Mr. Wagenfuhr, president of the society, left for Hanover by the 3:50 morning train, taking with him the 20 birds that had to take part in this race. The day after (Sunday), at 8:43, a. m., a telegraph was

received at the seat of the society, sent from Hanover, announcing that a heavy fog was hanging over the city since four o'clock in the morning, and that in these conditions the birds could not be liberated. At 11 o'clock another despatch was received saying that the birds were liberated at 8:50, with a south-east wind and very clear weather, and in two minutes time after tossing all the birds were out of sight."

The city of Hanover is 288 kilometres and 800 metres (217 miles) from Berlin. The ground they had to fly over is very uneven, there being forests, rivers, meadows, hill, &c. The gold medal offered by the Emperor was to be given to the owner of the first winning bird, and the four following would win silver and bronze medals, given by the Secretaries of War and Commerce.

*To be continued.*

For the Review.

### Detroit Dog Show.

No fancy on this continent has made more rapid strides during the last few years than that for sporting dogs. It is only a few years since a fine bred dog was not to be had; and as to his pedigree, it was a thing never asked for. It is quite different now. Let a sporting dog be ever so good, the first thing asked is, What is his pedigree? The American and Canadian sportsmen have been so careless in the past in breeding their dogs that they had become so mongrelized that in thousands of individuals it was impossible to tell what breed they belonged to, but this state of things is rapidly becoming changed. Very fine bred dogs have been imported from England at high prices, and many of our sportsmen are now just as particular as to what they breed to and from as are their English cousins. Any one attending the Detroit show in January, 1875, and again this one, could not help but notice the difference and improvement in the character of the sporting dogs; showing clearly that in dogs, as well as all other domestic animals, "good will tell."

This show was a grand success, both as to numbers, quality of the dogs, and in the attendance of visitors. The sporting dogs were well judged; we are sorry to that we cannot say the same about the non-sporting classes.

The following is the list of awards:

IMPORTED ENGLISH SETTERS.—1st, Druid, owned by Arnold Burges, Hillsdale; 2nd, Leicester, owned by L H Smith, Strathroy, Ont. Mr Smith's Temple Bar was very highly commended; J J Snellenburg's Thunder, and L F Whitman's Rattler and Sport were highly commended. Bitches.—1st, Queen Mab, Arnold Burges; 2nd, Clip, L H Smith. Very highly commended—Star, Wm B Wells, Chatham, Ont; Nilsson, A Burges. Highly commended—Lass O'Gowrie, L H Smith. Commended, Rose, J N Dodge, Detroit. Puppies, from

imported stock—1st, Mark, W B Wells, Jr., Chatham, Ont; very highly commended, Dido, W B Wells; highly commended, Cash, J N Dodge; commended, Brush, T W Jackson, Chatham.

**ENGLISH SETTERS—NATIVES**—1st, Royal Ben, T T Sawyer, Jr, Boston; 2nd, Don, A P Fellows, Hudson, Mich. Highly commended, Jack, H W Sampson, Ypsilanti, Mich. Commended, Bruno, J R Cooper, Linden, Genesee Co., Mich.; Bruno, Henry W Lord, Detroit. **Bitches**—1st, Nell, L F Whitman, Detroit; 2nd, Katie, Mrs M E Gibson, Darborn, Mich. Very highly commended, Belle, J C Wyckoff, Hudson, Mich. Commended, B He, John Thompson, Detroit. **Puppies**—1st, Brussels, F G Sheldon, Hudson, Mich.

**IMPORTED IRISH SETTERS**—1st, Race, E C Waller, Chicago; 2nd, Elcho, St Louis Kennel Club; very highly commended, Sting, St Louis Kennel Club; highly commended, Don, Toledo Kennel Club. **Bitches**—1st, Duck, St Louis Kennel Club; 2nd, Rose, Dr Wm Jarvis, Claremont, N H; very highly commended, Nora, A E Sterling, Cleveland; commended, Mag, Marshalltown Kennel Club. **Puppies**—1st, —, St. Louis Kennel Club; very highly commended, Conn, A E Sterling, Cleveland; Crenet, I Weighell, Rochester, N. Y.

**NATIVE IRISH SETTERS**—1st, Don, Captain Dick Uzer, Houghton, Mich; 2nd, Crouse, S W Griffin, Windsor, Ont; very highly commended, Echo, H C Arnold, Maidstone Cross, Ont. **Puppies**—1st, Grouse, Robert Sharks, Windsor, Ont.

**GORON SETTERS**—1st, Grouse, Toledo Kennel Club; 2nd, Rupert, Goldsmith Kennel, Toledo; very highly commended, Judge, Toledo Kennel Club; highly commended, Grouse, John Witherpoon, Detroit. **Bitches**—1st, Floss, Toledo Kennel Club; 2nd, Belle, I Weighell, Rochester, N Y; very highly commended, Nell, E F Mulliken, Howell, Mich; highly commended, —, John Witherpoon, Detroit. **Puppies**—1st, Bob, Toledo Kennel Club; very highly commended, Gypsey, W C L Gill, London, Ont.

**POINTERS**—1st, Bow, St Louis Kennel Club. **Bitches**—1st, Champion Belle, E M Gillespie, Columbus, Ohio. **Dogs** under 55 pounds, 1st, Don, Lonnard & Atherton, St Paul, Minn; 2nd, Keno, Topeka Kennel Club; highly commended, Convoy, H R Gay, Detroit; commended, Dan, Frank S Springstead, Detroit. **Bitches**, under 50 pounds—1st, Clytie, St Louis Kennel Club; 2nd, Vic, H R Gay, Detroit; highly commended, Nell, Topeka Kennel Club. **Puppies**—1st, Lord Dufferin, F Howson, Windsor, Ont.; very highly commended, King Charlie, E M Gillespie, Columbus, Ohio.

**IRISH WATER SPANIELS**—1st, Mike, Big Point Kennel Club, Chatham, Ont; 2nd, Bridget, same owners.

**RETRIEVING SPANIELS** (other than pure Irish).—1st, Snyder, T A Howe, Chicago; 2nd, Dick, Anthony Volger, Detroit; very highly commended, Chief Rogers, C E Miller, Detroit.

**COCKER SPANIELS**—1st, Gypsy, H. Brown, Hamilton, Ont.; 2nd, Floss, H C Wann, Detroit; highly commended, Floe, T Hower, Belvedere, Ill.

**FIELD SPANIELS** (other than Cockers).—1st, Duke, Col Gzowski, Toronto, Ont; 2nd, Track, J C James, Kingston, Ont; very highly commended, Train, same owner.

**FOXHOUNDS** (in couples).—1st, Wellington and

Wildfire, T. Hower, Belvedere, Ill; 2nd, Nero and Speed, J N Dodge, Detroit.

**BEAGLES**—1st, Rattler, J N Dodge, Detroit; 2nd, Maud, R M Baker, Detroit; highly commended, Ringold, W D Hayes, Hastings, Mich; Ringlet, same owner; Roxy, J N Dodge.

**TERRIERS**—1st, young Spot, C J Fox, Delaware, O.; 2nd, Boaster, Herb. rt Brown, Hamilton, Ont; highly commended, Punch, same owner; Gypsy, C J Fox, Delaware, O.

**GREYHOUNDS**—1st, Ariel, H Brown, Hamilton, Ont; 2nd, Rex, T N Jackson, Chatham; commended, Lord Beaconsfield, J Mackay, Detroit.

**NEWFOUNDLANDS**—1st, Dandy Jim, B F Ranklyn, Detroit; 2nd, Neil, Maj Milligan, London, Ont.

**SHEPHERD OR COLLE DOGS**—2nd, Jack, Harvey Ballentine, Detroit.

**BELL TERRIERS**—1st, Beauty, P Helber, Saline, Mich; 2nd, Jack, George W Voorhis, Hamtameck; very highly commended, Minnie, J Weighell, Rochester, N Y.

**BLACK-AND-TAN TERRIERS**—1st, Gypsy, W Smith, Detroit; 2nd, Joafer, W Zusc, Detroit.

**SCOTCH TERRIERS**—1st, Sandy, Herbert Brown, Hamilton, Ont; 2nd, Jerry, Mrs W Wright, Sandwich, Ont; very highly commended, Rough, R G Gourlay, Detroit; highly commended, Popsy, Miss May Folman, Detroit; Toss, Mrs W Wright, Sandwich, Ont.

**TOY TERRIERS**—1st, Pinkie, Mrs C J Johnston, Detroit; 2nd, Daisy, John H Williamson, Detroit; very highly commended, Tiny, Miss Lizzy Horn, Detroit

**PUGS**—1st, Gyp, Wm Stewart, Detroit.

**MISCELLANEOUS**—Silver medals—Jack, R C Allen, Detroit; English harrier puppies—Thomas Thorley, Detroit; Mark, James Owens, Detroit.

**TRICK DOGS**—1st, Dick, Anthony Vogel, Detroit.

**SPECIAL PRIZES**—Best kennel of setters, L H Smith, Strathroy; best setter stud dog, same owner, Leicester; best English setter breeder, same owner, Pearl; best English setter, with progeny, Rose, J N Dodge, Detroit; best native English setter dog, Royal Ben, T T Sawyer, Jr., Boston; best native English setter breeder, Nell, L F Whitman, Detroit; best native setter, female, same owner; best English setter that has never won a first prize, Druid, Arnold Burgess, Hillsdale; best brace of English setters, Druid and Queen Mab, same owner; best Irish setter breeder, Nero, A E Sterling, Cleveland; best Irish setter puppy, Conn, same owner; best Gordon setter, Grouse, Toledo Kennel Club; best Gordon setter (bitch), Floss, same owners; best pointer stud dog, Jim, F Howson, Windsor, Ont.; best pointer breeder, Fan, same owner; best brace of pointers, Champion Belle and Champion Fan, E M Gillespie, Columbus, Ohio; best brace of pointer puppies, Lord and Lady Dufferin, F Howson, Windsor, Ont., best brace of pointer puppies under six months, Lorn and Louis, same owner; best collection of pointers, E M Gillespie, Columbus, Ohio; best Irish water spaniel, Mike, Big Point Kennel Club, Chatham; best spaniel, same owners; best cocker, Floss, H C Wann, Detroit; best foxhound, Speed, J N Dodge, Detroit; best harrier dog, Dan, same owner; best brace of beagles, same owner; best beagle puppy, R M Baker, Detroit; best beagle under 11½ inches high, J N Dodge, Detroit; best beagle (bitch), same owner!

best English greyhound, Rex, T W Jackson, Chatham; best St Bernard or Newfoundland dog, Nig, I I Grafton, Ionia; best Scotch terrier puppy, Deacon, Mis. R Wright, Sandwich; best toy terrier, Jessie, Mrs J H Worcester, Detroit; best brace of beagles, J N Dodge, Detroit.

### Adaptability of the Various Breeds to Different Places and Conditions.

*Editor Canadian Poultry Review.*

DEAR SIR:—

Permit me to offer a few remarks upon the adaptability of the various breeds of domestic fowls to different places and conditions, from the standpoint of general utility.

It is amusing, and confusing also, to a person who is searching for information on this point, to note the conflicting opinions expressed by correspondents in poultry papers, as to that variety which excels in general usefulness.

In a bundle composed of old and new journals before me, I am informed that nearly every variety is that happy combination of useful qualities, and am just as emphatically assured that each is totally wanting in them.

Now, sir, I am not willing to conclude or state that the majority of these writers were not conscientious, or that they were actuated by any selfish motive in writing disparagingly of some of our most beautiful and useful birds, but that some of them were mistaken is evident. They were disappointed, doubtless, in some variety; yet is it that that variety is comparatively useless, or that they did not suit the conditions under which they were kept, which was the cause of the disappointment. The testimony of hundreds of breeders affords incontestible evidence that the latter must be the case.

As an example, let us suppose that a gentleman of Toronto, altogether ignorant of farming, is advised by his friends, who are no less ignorant than himself on this subject, to buy oxen with which to till an improved farm that he has bought. Now, if he follow the advice of his friends, he will not be long in finding out his mistake, and that horses were what he needed; and from the annoyance and delay, and expense to which he has been subjected, would it be any wonder if he jumped to the conclusion that oxen were only fit for the butcher and nothing else. Yet let him take his horses upon an unimproved farm in the backwoods to log with and he will soon discover that he has made another mistake.

Therefore we may safely conclude that all the kinds are not equally suitable to the same situations and conditions, and this is, in my opinion, a matter which needs most careful consideration in the commencement. Let a beginner carefully

inform himself of the habits of the birds he proposes to keep, and consider whether they are suitable to the place and the conditions under which he means to place them. If not, he had better look for some kind that is, for in most cases it is easier to get a bird to suit the place than to make the place to suit the bird.

Poultry might be divided into classes according to the activity of their nature, and those kinds that are so tremendously active most undoubtedly require at least part of that activity to bring them to perfection, and maintain it after it has been developed.

For the same reason the red man of the prairies has never submitted to slavery, but pined away and died under that system which denied to him the free and full use of his limbs, while the negro has grown fat under it.

Therefore, to those who have unlimited range for their birds, and who wish them to pick up their own living, or a part of it, from an area of many acres, and take care of themselves at the same time, I would say, invest in any of the wide-awake kinds, Games or Leghorns, &c., but if you have previously been led to admire the magnificent proportions, and peaceful and quiet disposition of the Brahma or Cochin, and have invested in them and find they do not suit *you*, do not leap to the conclusion that they will suit no place or person.

On the other hand, where the range is limited to a small garden or yard—even a goal yard—is it not reasonable that the fowl whose natural habits most nearly correspond to these conditions is best adapted to them. Now we see a place for "the great, lazy, gawky Asiatics," as a writer is pleased to call them. Another writer says that "they must be lifted upon their perch, and not unfrequently fall off"—only another proof that they are unable to fly over their fence into your neighbor's garden or fields. But here again nature has not been attended to. If they did not desire to sit up on a pole by the roof of the pen, why in the name of common sense try to compel them to. I cannot understand why they would not be as well sitting on the floor. We find that our observing brother of Waterloo has also noticed this trait of character in them, and instead of setting about to revolutionize the laws of nature, quietly permits them to do as nature prompts.

Another distinctive feature in the character of Asiatics worthy of the most careful attention of those who purpose investing in them, is their tendency to sit. Yet by fair comparison they are found to lay about as many eggs as many of the more active varieties, with this difference, they must be allowed to do it in winter when eggs are 25c., instead of 8 and 10c. For this reason they must be provided with good, warm winter quarters;

and unless so provided for will continue to convince fanciers and others of their worthlessness. As to quality of flesh and their appearance, these are mere matters of taste and are arbitrary, admitting of little reasonable discussion.

In conclusion, I hope you and your brother fanciers will excuse my presumption in giving my way of preparing bone-dust for my birds, and in doing so I must assure you it is from no other motive than to give useful information, if information it be, and with the wish to be set right if wrong. I first boil them, together with all remains of vegetables, in greasy water, till every particle of meat is removed, and also the thin skin next to the bone, or the periosteum. This process, I think, also removes some of the gelatin from the bone. The bone is now burned till perfectly white, and is then easily crushed to powder. Now this white substance is the ash, and contains the inorganic or mineral part of the bone, about 63 per cent. of the whole, being mostly composed of phosphate of lime, and this, I presume, is what is principally serviceable to the fowls. The liquid can be then used in the preparation of their soft food, and will furnish animal and vegetable food.

Hoping I have not trespassed too far upon your valuable space,

I am yours very truly,  
GALLINÆ.

For the Review.

### Notes from Waterloo.

#### No. 5.

MR. EDITOR:—It must be satisfactory to you, and agreeable to the readers of the REVIEW, to note the increasing interest in its specialties as each succeeding number brings new correspondents, with varied ideas and experience—not conspicuous by elegance of language, or, perhaps, even by grammatical construction, but in plain and homely style recording the thoughts of earnest, honest-thinking fanciers, willing to impart and anxious to receive information, expose fraud, humbug or sham.

In the January number "K" dissects "sharks" with a keen knife; but they are numerous species, and hard to kill. The "tobacco seed" is a thin dodge to gull the credulous and make money, just on a par with the same "shark's" advice to correspondents to cure their sick fowls by purchasing his pills, or stop their feather-eating by buying his "Poultry-Bit;" but the "bit" that is thereby dropped into his pocket is better appreciated by him than the other "bit" can be by either the unfortunate fowl or its owner. It is somewhat strange that so many inquiries can only be answered by puffing some of his own nostrils. Have at them

again, friend "K," and down with humbug.

"X Roads," whose letters are always interesting, gives his views on in-breeding; and no matter how contrary to pre-conceived opinions, the principles he advocates of proper selection and breeding in line are those held and practised by the most successful breeders of all live stock.

"Gallinæ" writes a good letter, and if he is a new beginner is of the right sort, and must succeed. His ideas of communicating even our disappointments and difficulties are well worth considering, as our mistakes should be lessons to ourselves, and why not to others.

Well, here are some of mine. Last spring, not having sufficient broody hens, I hired and bought what I could from my neighbors. The last clutch of the season came along very well, but when from three to four months old their legs appeared too white in color; still I did not pay much attention to them until after a little they seemed to be stiff and clumsy in walking, and on closer examination I found they had scaly legs. The cure was simple: three times rubbing with lard and sulphur brought them all right. The small mites that burrow under the scales and cause the trouble came from the old hen; and never having seen them on such young chicks was the cause of their being neglected so long. The houses were regularly and thoroughly sprinkled at least once a week with diluted carbolic acid, yet that did not prevent it. This proves that we cannot be too careful in taking strange fowls into our yards.

Secondly—When the weather in the beginning of January got so very stormy and cold, I closed the ventilators in the new building, described in the "notes" for October, also the door leading to the one-and-a-half story building adjoining—the only outside door in the new building being permanently closed in winter, and having an inside door, with the space between the two packed with straw—the result was, that having so little ventilation, the moisture from the fowls' breathing condensed on the walls and ceiling, completely coating them with hoar frost; while in the old building, with the lower storey lined with brick, an upper floor of rough boards, with plenty of openings to the half storey above, where the snow drifts in through the joint, the lower flat is perfectly dry all round; and although it is colder than the new one, the combs of Partridge Cochins in it have never been the least touched with frost, while those of Plymouth Rocks in the new building have been slightly blackened. Since opening the ventilators and doors between the buildings, and brushing the frost from the walls and ceiling, they are remaining dry; which proves as much as one trial can, that if a building is close below it may be quite open above, and that cold air, if dry, is not



so injurious as damp, confined air. I might, and should, have known this, but the lessons of experience, though sometimes costly, are best remembered.

No doubt all the readers of the Review will be pleased to know that the wishes expressed in friend Butterfield's last letter are likely to be realized--that we now have an amalgamation of the leading poultry societies in the province, and are promised a government grant; so that, with all the fanciers of Ontario united, (a matter long hoped for, but never before consummated) the show at Guelph must be a success; and if all work together with a will, we may have an association and annual exhibition second to none on the continent.

J. L.

Waterloo, Feb. 1st, 1879.

### In-Breeding.

Editor of Review.

In your interesting little work on poultry for January, there is an article on in-breeding, by X Roads, which to me is an exceedingly interesting subject, as it is, no doubt, to other breeders also. I have been endeavoring to make some advances in this very important subject for the last few years with various success.

My specialty and favorites being the White-faced Black Spanish, which I have kept for the last fifteen years, and still feel disposed to hold on to my old friends, notwithstanding they have been cast aside by so many for new aspirants to favor with the poultry fraternity.

In the first few years of my experience I adopted the universally accepted theory of crossing the flock by the introduction of a male bird from some noted breeder, only to find I had made a mistake. My birds turning out inferior to the previous year's breeding—with white-tipped primaries, red feathers on the back, loss of velvety-white in the face, &c., although none of those blemishes appeared in the parents; evidently showing that in bringing the two new strains of blood together a very radical change had been made, but made the wrong way.

Now all this is very annoying and vexatious, when, after a certain amount of expense and a great deal of labor, you looked for improvement and had deterioration, and had to begin again to endeavor to regain the ground you had lost.

Thus my faith in the theory of "out-crossing" was greatly shaken, as far as my own experience took me; so I thought I would try in-breeding, as my attention had been drawn to an article in an English publication, giving the name of a party who had bred the Malay fowl for thirty years without a single introduction of new blood, and was then the acknowledged champion of that variety.

He evidently believed in in-breeding, or, in other words, keeping pure blood when he had it. I must confess, Mr Editor, that I am beginning to lean that way, and if I succeed for the four year to come as I have in the four years that are past, I shall tumble over altogether. Four years ago I procured a Black Spanish cock from England, and bred him and his sons alternately with my flock since, and I have to-day as fine a lot as I ever possessed. I intend to continue this course as long as I procure first-class specimens. Of course the selection must be wise and judicious, and a good deal of judgement exercised in the matter. There is a growing conviction on my mind that the thing can be done to a much greater extent than it is. It would necessitate the forming of three pens at least, and then breeding alternately from each pen. This method is only open to those who have much room, or keep but few varieties. I would be glad to see this subject ventilated by those who may have some experience in it, and for the benefit of those interested.

Now, Mr. Editor, I do not know if you will deem this, my first attempt to contribute to your columns, worthy of a place or not; if not, give it a place with the rest of the wasted efforts of aspiring scribblers.

PURE BLOOD.

Montreal, Jany. 33rd, 1879.

### Exhibition of Saginaw Valley Poultry Association.

The third annual show of this association was a success; the quality of the stock and the attendance of visitors showed considerable improvement over former years.

The following is the list of awards:

For the choicest and most valuable collection of poultry, entered and owned by one person or firm, \$40 in gold, Wright & Butterfield, Sandwich Ont.; 2nd, \$10 in gold, to Curtis & Clarke, Monroe, Mich.

**LIGHT BRAHMAS.**—1st, W F George, Laporte In.; 2nd, Wright & Butterfield, Sandwich, Ontario; 3rd, J M Case, Lansing, Mich. Chicks, 1st, Wright & Butterfield; 2nd, Ashley & Ripley, East Saginaw; 3rd, same. Specials—cock, W F George; hen, same; cockerel, Wright and Butterfield; pullet, Ashley & Ripley.

**DARK BRAHMAS.**—1st, W I Howard, East Saginaw. Chicks, 1st, Curtis & Clarke, Munro, Mich.; 2nd, M T North, Pontiac, Mich.; 3rd, Thos Steele, East Saginaw. Specials—cock, W I Howard; hen, S G Lapham, Northville; cockerel, L G Woodman, Grand Rapids; pullet, C Hager, East Saginaw.

**PART-INGE COCHINS.**—1st, Wright & Butterfield; 2nd, G. G. Cook, East Saginaw. Chicks, 1st, W S Jones, Cwosso; 2nd, same; 3rd, Scruggs & McLennan, East Saginaw. Specials—cock, Wright & Butterfield; hen, same; cockerel, W S Jones; pullet, same.

**BEEF COCHINS.**—1st, J G Lapham; 2nd, Thomas Steele; 3rd, Wright & Butterfield. Chicks, 1st, D

Jonas, Tecumseh, Mich.; 2nd, Wright & Butterfield; 3rd, J G Lapham. Specials—on cock, Wright & Butterfield; on hen Thos Steele, East Saginaw; cockerel, Wright & Butterfield; pullet, same.

**Black Cochin**.—1st, Wright & Butterfield. 1st on chicks, same. Special on cock, W F George.

**White Cochin**.—1st on fowls, 1st on chicks, special on hen. Special on cockerel, Wright & Butterfield; special on pullet, Thos Steele.

**GAMES**.—Black-breasted reds: 1st, Curtis & Clarke, Monroe, Mich. 2nd, F McGerey, East Saginaw; 3rd, Curtis & Clarke; chicks, 1st, W F George; 2nd, Curtis & Clarke; 3rd, same; specials—cock, W F George; hen, Mark Hodgson; cockerel, W F George; pullet, same. Brown-breasted red: 1st on fowls, Curtis & Clarke, 3rd, W F George; specials on hen, W F George; pullet, F M Gery. Yellow Duckwings: 1st, W F George; 2nd, Curtis & Clarke; 3rd, Jos Knaebel, East Saginaw; chicks, same; 2nd Curtis & Clarke; 3rd, same; specials—cock, W F George; hen, same; cockerel, Jos Knaebel; pullet, same. Red Pile: 1st, A Ferguson, East Saginaw; specials, cock, same; hen, same; pullet, Ed Lawrence, East Saginaw. Blue games: chicks, 3rd J Hobson, East Saginaw; special on pullet, F McGerey. Silver Duckwing: chicks, 1st, H D Stearns; Coo Ridge, Ohio; 3rd, Curtis & Clarke; specials, cockerel, H D Stearns. Ginger reds: 1st on chicks, Curtis & Clarke. White Piles: 1st on fowls, Curtis & Clarke; special on hen, Chas Henning, East Saginaw. Back gamers: 2nd on chicks, W H Beatty, St Charles. White games: 1st and 2nd on fowls, special on cock, special on hen, W F George.

**HAMBURGS**.—Golden spangled, 1st on fowls, special on cock, special on hen, Wright & Butterfield. Silver penciled: 1st, J G Ayles, East Saginaw; 2nd, Wright & Butterfield; chicks, 1st, same; 2nd, J G Ayles, East Saginaw; specials, hen, same; pullet, Wright & Butterfield. Silver spangled: 1st, Wright & Butterfield; 2nd, W B Mershon, East Saginaw; chicks, 1st Wright & Butterfield; 2nd, C J Dingam, Saginaw City; 3rd, same; specials: hen, cockerel, and pullet, Wright & Butterfield. Golden penciled: 1st on fowls, and 1st on chicks, Wright & Butterfield. Black: 1st on fowls, 1st on chicks, same.

**LEGHORN**.—White: chicks, 1st, Wright & Butterfield; 2nd, F C Scofield, Leslie, Mich.; 3rd, J B Peter, East Saginaw; specials: hen, F C Scofield; cockerel, Wright & Butterfield; pullet, same. Brown: 1st, C E Heald; Midland, Mich.; chicks, 1st, and 2nd, same; 3rd, E St John, Saginaw City; specials: on cockerel, and pullet, C E Heald. Dominique Leghorns: 3rd on chicks, G F Brown, St Charles.

**BLACK SPANISH**.—2nd on chicks, E H Nichols, Williamston.

**PLYMOUTH ROCKS**.—3rd on chicks, Curtis & Clarke; specials, cockerel, W F George; pullet, F A Keeler, East Saginaw.

**POLISH**.—Golden: 2nd, Wm Hutton, East Saginaw; chicks, 1st, J Q Anderson, East Saginaw; 3rd, same. White-crested black: 1st, John Bogue, London, Ont.; 2nd, W H Stephens, Flint; 3rd, E A Gould, St Charles; chicks, 1st, W H Stephens; specials: on cock, and hen, John Bogue. White: fowls, 1st, David Tweedy, East Saginaw. Silver fowls, 1st, David Tweedy; 2nd, A Purchase, Auburn, Mich.; 3rd, David Tweedy; chicks, C Hager, East Saginaw. Bearded white: chicks, 2nd J Q

Anderson. Bearded gold n: 2nd on chicks, and special on pullet, Wm Hutton, East Saginaw.

**HOUDANS**.—1st, J K Rose, Saginaw City; 2nd, E H Nichols, Williamston; 3rd, C Sonsmith, East Saginaw; chicks, 1st, H A Nye, East Saginaw; 2nd, J K Rose; 3rd, same.

**FRIZZLED**.—3rd on chicks, C Sonsmith.

**BANTAMS**.—B B Red: 1st, Curtis & Clarke; 2nd, same; chicks, 1st, C S Dutton, East Saginaw; 2nd, same; specials, cockerel, W F George; pullet, C S Dutton. Yellow Duckwing, 1st, Curtis & Clarke; 2nd, J P Alison, East Saginaw; chicks, 1st, Curtis & Clarke; 2nd, same. Silver Duckwing: Ashley & Ripley were awarded 1st and 2nd on fowl, 1st and 2nd on chicks, special on cock, hen, and pullet. Red Pile: 1st on fowl, John Hobson, East Saginaw. Golden Scauplets: 1st on fowls and 1st on chicks, Wright & Butterfield.

**DUCKS**.—Avesburys: 1st on old, and 1st on young, John Bogue, London, Ont. Rouen: 1st, A Purchase; 2nd, E A Stinson, St Charles; young, 1st, same. Cayuga: 1st on old, A Purchase. White Muscovy: 1st and 2nd on old, C J D'ngman. Pekin: 1st on young, F Nebmer, Saginaw City.

**GESE**.—Toulouse: 1st, W S Jones, Owosso. Embden: 1st on old, A Purchase. White China: 1st on young, same.

**WOOD DUCK**: 1st, same. Heaviest duck, C J Dingham.

**PIGONS**.—Best collection of fancy pigeons, C S Dutton, East Saginaw; best pair Carriers, Curtis & Clarke; 2nd best, C S Dutton; best pair Pouters, Curtis & Clarke; 2nd best, C S Dutton; best pair Fantails, C S Dutton; 2nd best, Curtis & Clarke; best pair Trumpeters, best pair Turbits, best pair Tumblers, best pair Mooreheads, best pair Jacobins, C S Dutton; 2nd best, Curtis & Clarke; best pair Owls best pair Nuns, best pair Swallows, C S Dutton; best pair Homing Antwerps, Curtis & Clarke; 2nd best, C S Dutton; 2nd best Runts, same; best pair Magpies, M T North, Pontiac.

#### CITIZENS' PREMIUMS

Best pair of Light Brahmas, Wright & Butterfield. Best Light Brahma, male or female, same. Best pair Dark Brahmas, Curtis & Clarke. Best Dark Brahma, male or female, J C Lapham. Best pair Partridge Cochins, W S Jones. Best pair Partridge Cochins, W S Jones, Owosso. Best Partridge Cochin, male or female, same. Best pair Buff Cochins, D Jones. Best pair Cochin, male or female, Thos Steele. Best pair White Cochins, Wright & Butterfield. Best White Cochin, male or female, same. Best pair Black-breasted red Games, W F George. Best Black-breasted red Games, male or female, same. Best pair Silver Duckwing Games, H D Stearns. Best Silver Duckwing, male or female, same. Best pair yellow Duckwing Games, W F George. Best pair yellow Duckwing, male or female, J K Noble. Best pair red Pile Games, A Ferguson. Best pair red Pile, male or female, same. Best pair G S Hamburgs, Wright & Butterfield. Best do, male or female, same. Best pair S S Hamburgs, same. Best do, male or female, same. Best pair S P Hamburgs, same. Best do, male or female, same. Best pair White Leghorns, same. Best do, male or female, same. Best pair Brown Leghorns, B E Heald. Best do, male or female, same. Best pair Plymouth Rocks, Curtis & Clarke. Best do, male or female, W F George. Best pair golden Polish, J Q Anderson.

Best do., male or female, Wm Hutton. Best pair silver Polish, D Tweedy. Best do., male or female, same. Best pair Houdans, J K Rose. Best do., male or female, same. Best pair black bredsted red game Bantams, C S Dutton. Best do., male or female, same. Best pair silver duckwing game bantams, Ashley & Ripley. Best do., male or female, same. Best pair white-crested black Polish, J Bogue. Best do., male or female, same. Best Toulouse goose, W S Jones.

For the Review.

### Chicago Poultry Exhibition.

This show, which was held from January 17th to 25th, is claimed by those present to be the best ever held in the west. Over one thousand birds were placed on exhibition. The hall was large, so that by putting double rows of coops the whole of the birds were on one floor, except the bantams and pigeons. Three performances each day were given on the second floor by Signor Giovanni's trained canaries. The attendance of visitors was good, as the hall is in the centre of the business part of the city, and was no doubt increased by the attraction of a brass band, which played outside during the continuance of the show. The judging was done by B. N. Pierce, of Corning, Iowa, whose awards seemed to give universal satisfaction.

Light Brahmans were, as usual, the largest class, there being about 100 entries of very fine birds. In this class there were nine breeding pens. The prizes were divided between quite a number of exhibitors. Some very heavy birds were shown, among them a 13 pound pullet. In Dark Brahmans the number of entries was not as large, but there were a great many very finely marked birds; there were three breeding pens, and most of the prizes went to them. Black Cochins were a surprise to every person; the number shown was about equal to Light Brahmans, and some extra fine ones were among them, especially the 1st prize cockerel owned by Mr. Taylor, of Chicago, which was a beauty. It seems to be the opinion that the Black Cochin is the coming bird. Mostly all the male birds seemed to be devoid of that amount of fluff and leg feathering which has been bred on the Buffs, but there were hens and pullets here which would rival Buffs in every respect, and we have no doubt we will soon see the fault remedied on the male. Buffs were next to Blacks in number, but in quality were much better. There were some fine imported birds in this class, besides some first-class ones which were home-bred. Partridges were less in number than Buffs, but we believe so many large and beautifully penciled birds were never put in competition. White Cochins were few in number, but there were some fine birds among them. In the smaller varieties Plymouth Rocks took the lead, there being nearly 100, and five breeding pens.

Keefe, of Sterling, Illinois, took front place here, as he does everywhere, taking three first prizes out of the four, three 3rds and ten specials. His principal competitor was Pitkin, of Chicago. Brown Leghorns was also a large, fine class, and in this, as in Plymouth Rocks, Mr. Leefer was very successful, getting all the four first prizes, also six of the other regular and nine special prizes. White Leghorns were less in number than Browns, but equally as fine in quality. Hamburgs were represented by a large number in the different varieties, and made quite a fine display. Black Spaniards was an extra large and fine class, and the prizes went to quite a number of exhibitors. Houdans were represented by four breeding pens, besides a large number of single birds; among them were some of the finest we ever saw. A large number of Games of nearly all the varieties were shown on one side of the hall, and formed quite a show of themselves. Bantams, of all varieties, were a fine display; these, with over fifty pairs of pigeons, attracted much attention on the second floor. In Polish, white crested black and silver were the only varieties shown, but the birds in each were first-class. A large number of ducks were shown, among them Pekin, Aylesbury, Rouen and Cayuga; also some very fine geese and Bronze Turkeys.

Sandwich, Jany. 30th, 1879. W. & J. B. C.

### Northern New York Poultry Show.

*Editor Canadian Poultry Review.*

Amidst the many poultry shows of the present time, that of the Northern New York Poultry Society, held at Sandy Hill, from January 14th to 17th, was a very successful one. Although some shows may beat it in number of entries and attendance of visitors, I have not yet seen a show that could beat it in the general excellence of many of the classes. The exhibition was held in the old court house, which was completely filled, every available space being occupied, making the aisles too narrow to admit of many visitors at one time.

I unfortunately did not make any notes of individual exhibits, but can give some from memory. W. B. Clark, of Sandy Hill, took 1st and special on Light Brahmans, with birds fit to win at any show. His display of Games, particularly Black Reds, was unusually fine. Many of his birds, I understood, were sold at long prices. Mr. John H. Derby, of the Howland Manufacturing Co., the president, won all the prizes in the French classes, of which he makes a specialty, and first and special on Rouen ducks. Mr. G. D. Millington, of Vermont, showed fine Light Brahmans, Partridge Cochins, and Plymouth Rocks. Mr. VanDerveer was on hand with Bronze turkeys fully up to his old reputation for large birds; he also showed ban-

tams and other fowls, winning on everything he sent, as he only arrived at the show at 10, p. m., on Thursday, and left at 7.10 a. m., on Friday. I saw him only for an hour, and was sorry that I did not see more of him. Fleming & Payne, of Ticonderoga, showed the best Brown Leghorns I ever saw. Mr C. M. Holly, of Glen's Falls, N. Y., show-American Dominiques and Dominique Leghorns, grand birds. Many other local breeders showed excellent fowls I cannot bring to mind now.

Of my visit to Sandy Hill, I need only say that I received the greatest courtesy and attention from every person connected with the society. I was met at the station by the President and Mr. W. B. Clarke, and driven at a 2:40 pace to Clark's Coffee House, where I was billeted until my work was done. I have seen larger hotels than this one, but a more bountifully supplied table, or more comfortable quarters, I have not seen outside of our own home.

The management are deserving of praise for the manner in which they conducted the exhibition; everything passed off in a pleasant manner, and I trust they will meet with that success which they so richly deserve.

G. T. SIMPSON.

Falkland, Jany. 30th, 1859.

### Sixth Annual Meeting of American Poultry Association.

A meeting of the Executive Committee of this Association was held in the Tift House, on Monday, February 4th, at 2 o'clock, p. m.; C. A. Sweet, President, in the chair; J. Y. Bicknell, Secretary-Treasurer.

After the transaction of routine business, the president said that as, according to the by-laws, the minutes of the last regular meeting, held at Portland, Me., Feby. 12th, 1878, had been printed and sent to all the members, the reading of the same would be dispensed with. As there was no objection, the minutes were approved.

On resolution the following gentlemen were admitted to membership, on paying initiation fee:—

J F Ferris, Albany, N Y; H A Grant, Tarrytown, N Y; S Hare, Olean, N Y; Albert French, Oakly, Ohio, Geo M Watterman, Albion, N Y; John Middleman, Albion, N Y; Hiram P Hopkins, Buffalo, N Y; Daniel Pickney, Onondaga, N Y; Walter Scutt, Brentwood, N Y; H L Anderson, Union Springs, N Y; James Fullerton, Strathroy, Ontario; Elbert T Paily, Mt. Kisco, N Y; A M Halstead, Rye, N Y; Oscar Doolittle, Adrian, Mich; H F Ross, Albion, N Y; S Ellis Briggs, Plympton Plains, N J; John R Camp, Minstek, Conn; D N Green, Scranton, Penn; James Lockie, Waterico, Ont; Orlando H Brewster, New Orleans; James E White, Englewood, Ill; E L Lawrence, Bayside, L I; Alexis Brown, Mt Healthy, O; Phillip H Diaz, Cleveland; H B Thomas, Troy; J R Draper, Troy; W T Fenton, Indianapolis; H C Y Bates, Indiana-

polis; F K Pratt, Kean, N H; O H Bateman, Cincinnati; W. H. Doel, Toronto, Ontario; H. M. Cummings, Ohio.

The following judges were appointed:

J. E. Loyd, Cold Springs, Md., on Light Brahmans.

V. A. Blakeslee Winsted, Conn., on Dorkings.

R. H. Peck, Earlville, Ohio, on Brahmans, Cochins, Dorkings, Bantams and water fowls.

A. M. Halsted, Rye, N. Y., on nearly all varieties of fowls, pigeons and rabbits.

The session was then merged into the sixth annual meeting of the American Poultry Association.

After a short address from the president, the reports of special committees were considered. The first taken up was that on standard weights of Asiatics: "That the allowing of any points for weight above those now given in the Asiatic class as perfect, be expunged, leaving it to read weights as now are, deducting two points per pound for any deficit from above weights." A number of letters were read asking that the weights of Asiatics remain unchanged. On motion it was resolved not to make any change in the Standard in this particular.

The committee on under color of Light Brahmans reported that they did not favor the suggested change in the Standard. Messrs. Felch, Allen, Williams and others expressed their views on the subject, when the report of the committee was adopted.

Mr. Felch offered the following resolution: That no Light Brahmans should be disqualified unless positive black appears in the web part of the feather of the back. On motion the resolution was referred to a committee, consisting of Messrs Felch, Williams, Todd, Hulick, and Lambing, with instructions to frame something to cover the point raised, and report at a future meeting. Carried.

No decided action was taken regarding a pigeon standard.

A communication was received from Mr. John E. Deihl, urging the admission of the Malay breed, and the adoption of a standard wherewith to judge them. Mr. Spaulding offered the following resolution: That a committee of three be appointed to prepare a standard for black red Malay fowls, and that when such a standard shall be perfected and approved unanimously by said committee, it shall be admitted into the American Standard of Excellence; but before being published in the said standard it shall be made to conform in general style to the present standard. The chair appointed Messrs. Spaulding, Allan and Deihl such committee.

A petition to have Jersey Blues admitted to the Standard was referred to a committee consisting of Messrs. Long, Hulick and Felch.

Two communications were received protesting

against the removal of the disqualification in Brown Leghorn cockerels, on account of white or partially white in their feathers. Mr. Sweet offered a resolution that the disqualifying clause be restored. Under the rules the resolution was laid over until the next meeting.

Mr. Felch offered the following resolution:—

That all resolutions offered at this meeting be printed in a list, and the same shall be transmitted to each and every member of the association, who shall vote by written ye or nay, and return the same inside of thirty days; and if decided in the affirmative, the same to become effective from that date.

Mr. Sweet took a very decided stand against this measure, effectually showing that such a course would greatly decrease the attendance at the meetings of the society. Mr. Spaulding moved that the resolution be laid on the table. Carried.

On motion the chair appointed Messrs. E Lamb, Allen, Aldrich, Hulick and Howlett a committee to nominate officers for the ensuing year.

Mr. Bicknell offered a resolution that the Standard of 1876 on white Hamburgs be adopted in place of that now in force. The matter, under the rules, was laid over for a year.

Mr. Felch moved that judges in adjudicating Houdans for prizes give them a full score on earlobe until such time as the necessary change in the Standard on this point can be effected. The motion was carried on a notice being given of an intention to change the Standard.

A petition from western breeders, asking for a change in the Standard on Black Cochins, so that "the legs may be black or nearly black," etc., was laid over under rule.

A new variety, named spangled Javas, had been placed in the poultry show for exhibition, preparatory to asking their admission to the Standard.

Mr. Todd moved the appointment of a committee of three to examine these fowls and report at a future meeting. Carried. The chair appointed Messrs. Todd, Josselyn and Doolittle as such committee.

Mr. Bicknell moved that the names of new members be not printed in the published reports of the proceedings of the association until their dues are paid. Carried.

The meeting adjourned until 10 o'clock to-morrow morning.

February 4th.

The adjourned meeting was called to order by Vice-President Williams. The first business of the session was the election of officers. Mr. Philander Williams was elected President. In a short speech, very complimentary to Mr. Sweet, he positively declined the honor. The secretary was in-

structed to cast the ballot for Mr. C. A. Sweet, who was declared unanimously elected for the coming year.

On motion Messrs. Howlett, Doolittle and Amidon were appointed a committee to wait on Mr. Sweet and inform him of his re-election.

On motion of Mr. Lambing, the Secretary cast ballot for the following officers:

Vice-Presidents—A D Warren, Philander Williams, H T Sperry, Daniel Allen, E L Lamb, I K Felch, S J Bestor, S H Camens, R O Conant, E Gregg.

Secretary and Treasurer—Geo S Josselyn.

Executive Committee—J Y Bicknell, J S Ongley, James M Lambing, C B Eben, Wm Wright, E P Howlett, W T Rogers, E R Spaulding, W H Todd, V C Gilman, Henry T Root, L E Sinabough, W H Hulick, E C Comery, P F Amidon, F C Aldrich, George C Colton, H B Thomas, Albert French, W T Fenton.

The Secretary and Treasurer's Report was read by Mr J Y Bicknell, and approved by the Association. It showed a prosperous condition of affairs and a surplus in the treasury of \$716 30.

The report of the committee on under color was read by Mr. Felch, and adopted. It was as follows: "Instead of under color other than white or bluish-white, we would substitute the following: 'In under color of back, back running into the web of the feather,' and to present description add, 'or slate color.'"

On motion of Mr. Felch it was resolved hereafter to print disqualifications and standard weights upon the score cards.

Messrs. Allen, Sweet, Felch, Fenton and Aldrich were appointed a committee for the purpose of devising means for examining candidates for the appointment of judgeships.

Votes of thanks were adopted to Mr. C. A. Sweet, as President, and Mr. J. Y. Bicknell, the retiring Secretary, to Mr. Tutthill for the accommodation furnished the Association, and to the Press for the generous and correct reports furnished by them.

An invitation was received from Mr. Fenton to hold the next annual meeting at Indianapolis, under the auspices of the local organization there.

On motion of Mr. Bicknell the subject of the next meeting was referred to the Executive Committee.

The meeting then adjourned *sine die*.

### Buffalo International Poultry Show.

The seventh annual exhibition of this society was a very successful one in every particular. The number of birds on exhibition reached fully 1,200, and all judges agree that they were of higher average excellence than at any previous show. The attendance, we understand, was not quite up to that of the last show, but it was a matter of

surprise to those who had not visited the previous shows, to see the crowd that continually thronged the rink. When we state that the door receipts for one day amounted to \$560, most of our readers will agree with us that the Buffalo people have less reason to complain on that score than the managers of many other shows. They richly deserve success, as none could work better than they did to secure it. A better man than the President, C A Sweet, could not be found to manage a show; always on hand, with a keen eye to the smallest details, and a courteous answer to all enquiries. And a more genial and pleasant countenance than that of Mr Lothridge, never graced a Secretary's desk.

The judging of such an extensive show, was a great work, and was not completed until the last day of the exhibition. The verdict of fanciers present was that the birds were generally scored too low. Some of them shown had on several previous occasions passed through the hands of critical judges, and were never figured so low as here, although they appeared in first-class condition. None of those 9  $\frac{3}{4}$  point birds were on hand to make the judges' duties a mere walk-through. Our space at this time will not allow us to particularize.

The aquarium at the front part of the room was a great attraction. Here fish could be seen in all stages of development, from the egg to the well-grown salmon of five years. Near them were the gold and silver Chinese pheasants. More beautiful and brilliant plumage could not be imagined than that of the cocks of the golden variety. The white peacock looked very plain beside them.

Signor Giovanni's trained canaries delighted young and old. It was truly wonderful to see the little fellows come forth at the sound of their names, and do the tricks required of them.

The "Glass Hen," or Axford's Incubator, was stationed in an ante-room, and hatched out chicks during the entire time of the show. On the gallery above was Mr Halstead's Incubator and Artificial Mother. Through delay in the trains, the eggs Mr H had in readiness for his machine, were subjected to seven hours' severe cold, and consequently the hatching operation did not progress as well as he would have liked; but after all the exposure, several little fellows were induced to come out. We were much pleased with the machine; it is very simple in construction, does not occupy much space, and requires very little attention. The "Mother" would recommend itself to any breeder who desires early chicks.

Canadian exhibitors were, as we predicted, very successful. Mr Daniel Allen, of Galt, maintained his reputation as first among the "Game men."

The Buffalo *Carrier* says of him:—"The gamiest man may be found early at the Rink. A pleasant expression upon his countenance, especially as he views with profitable pride and gratification the numerous prize cards that adorn his coops. A stout, robust Englishman, proud of his blue blood, and his laurels won upon many a hard fought battle field. Such is Mr. Daniel Allen, of Galt, Ont."

Mr Richard McMillan, Galt, as usual, captures nearly all the prizes in Black Spanish, followed very closely in pullets by Mr. Banks, of Toronto. Mr Mc. also stands out pre-eminent in Pencilled Hamburgs.

Mr W J Way, of Toronto, (some wag of the press added the prefix "Rev.," was very successful in the Bantam class, and brought home with him quite a number of the winning fowls.

Wright & Butterfield did not make a large exhibit, but won on most of their entries.

We did not hear of many sales being made. Mr Crowe, of Guelph, bought from Philander Williams the first premium pair of Light Brahma chicks. These will likely appear at the Guelph show, where many of our readers will have an opportunity of passing judgment upon them.

#### PRIZE LIST.

(Our lists of White Cochins, Duckwing Games, and Black Spanish, have been mislaid, but will appear with balance of list next month.)

#### ASIATICS.

Judge, H S Bail, Shrewsbury, Mass.

Best collection in class, Philander Williams.

**LIGHT BRAHMAS.**—Cock, 1st, W H Todd; 2nd, Philander Williams; 3rd, W H Todd; 4th, H H Lantz, Adrian, Mich. Hen, 1st, Philander Williams; 2nd, same; 3rd, McKeen & Hulick, Easton, Pa.; 4th, W H Todd. Cockerel, 1st, Philander Williams; 2nd and 3rd, same; 4th, W H Todd. Pullet, 1st, Philander Williams; 2nd, same; 3rd, W H Todd; 4th, Philander Williams.

**DARK BRAHMAS.**—Cock, 1st, C A Sweet, Buffalo; 2nd and 3rd, same; 4th, Philander Williams, Taunton, Mass. Hen, 1st, C A Sweet; 2nd, Philander Williams; 3rd, same; 4th, W H Todd. Cockerel, 1st and 2nd, Philander Williams; 3rd, George Resseguie, Niagara Co., N Y.; 4th, W H Todd. Pullet, 1st, 2nd and 3rd, Philander Williams; 4th, C A Sweet.

**PART-BLE COCHINS.**—Judge, Wm H Hulick. Cock, 1st and 2nd, C H Crosby; 3rd, Peter Adams, Jr; 4th, W H Todd. Hen, 1st and 2nd, C H Crosby; 3rd, F F Preston; 4th, C H Crosby. Cockerel, 1st, 2nd and 3rd, C H Crosby; 4th, Philander Williams. Pullet, 1st, 2nd and 3rd, C H Crosby; 4th, W H Todd.

**BUFF COCHINS.**—Judge, Philander Williams, Taunton, Mass. Best display, Oscar Doolittle, Adrian, Mich. Cock, 1st, W H Todd, Vermillion, Ohio; 2nd, Oscar Doolittle; 3rd and 4th, W H Todd. Hen, 1st, Oscar Doolittle; 2nd and 3rd, W H Todd; 4th, Oscar Doolittle. Cockerel, 1st and 2nd, Oscar Doolittle; 3rd, F F Preston; 4th, W H Todd.

Pullet, 1st, Oscar Doolittle; 2nd, L. C. Dodge, Ravenna, Ohio; 3rd and 4th, Oscar Doolittle.

**BLACK COCHINS.**—Judge, C H Crosby. Best collection, Philander Williams. Cock, 1st, Philander Williams; 2nd, W H Todd; 3rd, George Furness. Hen, 1st, John J Berry; 2nd, Philander Williams; 3rd, same; 4th, George Furness. Cockerel, 1st Philander Williams. 2nd, John J Berry; 3rd, W H Todd. Pullet, 1st and 2nd, Philander Williams; 3rd, W H Todd; 4th, John J Berry.

**PEA COMB PARTRIDGE COCHIN.**—Judge, Philander Williams. C H Edmunds, Milrose, Mass., takes first on cock, first and second on hen, first, second and third on cockerel and pullet.

## GAMES.

Judge, C H Crosby, Danbury, Conn.

**BLACK BREASTED GAMES.**—Best Collection, Daniel Allen, Galt, Ont. Cock, 1st, Daniel Allen; 2nd, C H Warren, Verona, N Y; 3rd, Daniel Allen; 4th, Curtiss, Whiton & Co, Buffalo. Hen, 1st, Daniel Allen; 2nd, C H Warren; 3rd and 4th, Daniel Allen. Cockerel, 1st, Neil McIsaacs, Buffalo; 2nd, Curtiss, Whiton & Co; 3rd, Daniel Shay, London, Ont; 4th, Daniel Allen. Pullet, 1st, Daniel Allen; 2nd, Curtiss, Whiton & Co; 3rd, same; 4th, Neil McIsaacs.

**WHITE PILE.**—Cockerel, 1st, W M Smith; 2nd, J J Berry. Pullet, 1st, W & W G White; 2nd, W M Smith; 3rd, J J Berry.

**R D PILE.**—Cock, 1st, B. Annett & Colby, Philadelphia; 2nd, W & W G White; 3rd, Bennett & Colby. Hen, 1st and 2nd, W & W G White; 3rd, J J Berry. Cockerel, 2nd, J J Berry. Pullet, 2nd, J J Berry.

**BROWN BREASTED REDS.**—Cock, 1st, 2nd and 3rd, E O Damon. Hen, 1st and 2nd, E O Damon; 3rd, Wm. Johnson. Cockerel, 1st, E O Damon; 2nd, Daniel Allen; 3rd, E O Damon. Pullet, 1st and 2nd, E O Damon; 3rd, Curtiss, Whiton & Co.

**GINGER REDS.**—Judge, E R Spaulding, Jaffrey N H. Hen, 3rd, Curtiss, Whiton & Co.

**WHITE GAMES.**—Cock, 3rd, George H Webb, Alba, Pa. Hen, 3rd, Curtiss, Whiton & Co.

## IORKIN S.

Judge, W H Todd, Vermillion, O.

**WHITE DORKINGS.**—Best collection, George Warner, New York Mills. Cock, 1st, George Warner; 3rd, W M Smith, Fairfield Plains, Ont. Hen, 1st, George Warner; 2nd, W M Smith. Cockerel, 1st, George Warner; Pullet, 1st, George Warner.

**COLORED DORKINGS.**—Best collection, George Warner. Cock, 1st and 2nd, George Warner; 3rd, Thomas Fellows, Petersville, Ont. Hen, 1st, Thomas Fellows; 2nd and 3rd, George Warner. Cockerel, 1st, Thomas Fellows; 3rd, George Warner. Pullet, 1st, George Warner; 2nd, Thomas Fellows.

**SILVER GREY DORKINGS.**—Best collection, George Warner. Cock, 1st, George Warner. Hen, 1st, George Warner. Cockerel, 1st, George Warner; 2nd, C H Warren. Pullet, 1st, George Warner.

## HAMBURGS.

Judge, Newton Adams, Utica.

**GOLDEN SPANGLED.**—Cock, 1st 2nd and 3rd, Ongley & Ball, Worcester, Mass. Hen, 1st, 2nd and 3rd, Ongley & Ball. Cockerel, 1st, 2nd and 3rd,

Ongley & Ball. Pullet, 1st, 2nd and 3rd, Ongley & Ball.

Concluded next month.

## Canadian Poultry Review.

PUBLISHED MONTHLY BY

JAS. FULLERTON,

—AT—

STRATHROY, ONTARIO, CANADA.

TERMS.—\$1.00 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 ten lines.

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Breeder's Illustrated Directory, larger size, 1 year, \$6, half year \$4; smaller size, 1 year \$5, half year, \$3.

All communications must be in our hands by the 6th and advertisements by the 9th to insure insertion in issue of that month.

Address, JAS. FULLERTON,  
Strathroy, Ont., Canada

We have this month added four pages to the Review, but still a large number of interesting contributions are crowded out; among others, from Friend Thomas, Delaware; John Fleming, Shelburne, Mass.; A. W. Bassey, St. Catharines.

**NEW ADVERTISEMENTS.**—Space will not allow us this month to give our advertisers the usual personal notices, but we give our readers the list, and hope they will peruse them all:

John Fleming, Shelburne, Mass., page, on 3rd of cover

Ontario Poultry Association, half, outside cover. Notice, (a good chance), Box 330, Port Hope, half, outside cover.

A. M. Halstead, Rye, N. Y., Incubator and Artificial Mother.

W. & J. B. Clarke, Sandwich, Ont., quarter page.

J. F. Scriver, Montreal, quarter.

W. Sanderson, Brantford, quarter.

A Hen Book, C. R. Harker, Rochester, New Hampshire, quarter.

Antwerp Carriers, John Van Opstal, New York.

R. Mackay, Hamilton, Light Brahmas and Silver Duckwing Game Bantams.

H. G. Charlesworth, Toronto, and J. G. Jones, Forest, cards in Directory.

At the late Chicago Show, Messrs. W. & J. B. Clarke, were awarded on their fowls, seven silver medals and 13 first prizes, in all twenty-eight prizes, on ten pairs of birds exhibited.

**Editor Review :**

I see by the late English papers that the cup pair of Aylesbury ducks at the Birmingham show weighed 22 pounds; the cup pair of Rouens 23 pounds 10 ounces; the 1st prize pair of white geese weighed 43 pounds 10 ounces; 1st prize gray geese 49 pounds. "I'll take and tell you" I would like to have that lot to show against Jim Main at Guelph.

G. T. S.

We learn with sorrow of the death, on Feb. 3rd, of Mr. James Williamson, of Hamilton. Mr. Williamson was well known as a fancier to many of our older breeders, and was held in high estimation by all who had the pleasure of his acquaintance. Of late years having little room, he had to dispense with his pets, but still took great interest in the fancy, and contributed largely to its success in his city.

**Ontario Poultry Society.**

The fanciers throughout the country will be pleased to learn that an amalgamation has taken place between the two leading poultry societies of the province, and that a grand show will be held in Guelph, from Feb. 25 to 29th. A government grant and private contributions of a sufficient amount has been received to justify the Executive Committee in offering prizes to the amount of \$1,200, which, it is expected, will be paid exhibitors before the close of the show.

The prizes are offered on single birds, and on breeding pens consisting of one male and three females. This plan, though giving much more labor to the officers, is generally found most satisfactory to exhibitors.

We understand that Mr. W. H. Todd, of Vermilion, Ohio, is expected to act as judge, and we consider that a better choice could not be made. He has had long experience in breeding and judging nearly all varieties of poultry; and from our short acquaintance with him, we would conclude that the birds must win or lose on their merits when the awards are made by him. He is a man of great ability, and withal very unassuming.

It is very gratifying to find fanciers from all sections greatly interested in the success of the show; all seem to think that a bright future is before the society, and wish to do all possible to assist in promoting its prosperity. The lateness of the season will undoubtedly prevent some from exhibiting, but a large and fine show is a certainty.

The annual meeting will be held during the week, probably on Thursday, when the officers for the ensuing year will be elected, place of holding the next show fixed, and other important business transacted. All interested in poultry should at-

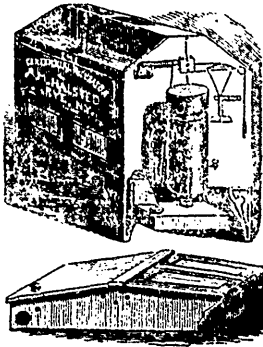
tend, and assist in such legislation as will best conduce to the prosperity of the society and the fancy at large. We hope at this meeting to see the Ontario Poultry Association established on a sound business basis, so that in future it will command the confidence of the entire community.

Intending exhibitors should carefully read the rules and regulations, so that their entries will be properly made, thus saving trouble to the officers, and prevent disappointment to themselves.

**A Poultry Derby.**

All colts intended to run in the Derby, we believe, are entered for that stake the same season they are foaled. There is also in England a Dog Derby, a stake which dogs are entered for when very young. The prize is contested for by them, or such of them as are by their owners considered good enough, at an age fixed by the society or association managing that interest. I think, with some little variations we could, with much benefit to the poultry interest, and to breeders in particular, have a Poultry Derby. We would propose a plan something like the following.—Say a stake is made for different kinds of poultry, each breeder who wishes to become a subscriber to compete in any one variety, enter and pay a forfeit fee. Say we are breeders of Plymouth Rocks and Games; we wish to enter in the Derby for these particular breeds; then at our regular Provincial Poultry Show we subscribe say 50 cents forfeit fee for each kind we wish to enter for competition in the Derby at the next Annual Show. Say ten subscribe for Plymouth Rocks, at \$2 each, with forfeits, would probably amount to \$24; divided in two prizes of \$12 each, one for the best cockerel and one for the best pullet bred that year. These birds would be known as that year's Derby winners. This, in our opinion, would become a very popular prize amongst breeders, because it would at once show the public those who have sufficient confidence in their stock and ability to raise them, and their willingness beforehand to enter against all comers. One may say he enters against all comers when he enters the regular prize lists. So he does; but when he enters in the regular prize lists he knows what he has to enter; he simply backs his birds against all comers: but in entering for the Poultry Derby he enters the produce of his stock, backed by his good management and judgment for mating and raising them. It is customary in stakes of this kind, that so much is paid on entrance, say for example 50 cents forfeit, and for all such as do compete \$2, or some such amount about *pro rata*. Of course many would enter, that for some reason or other, would not compete, so the forfeits go to the stakes. We are of opinion, once tried, the Poultry Derby would be a very interesting prize.





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### READ THIS:

444 Broome St., New York, Jan. 10, 79.

Mr. A. M. HALSTED: My Dear Sir—It is with pleasure I reply to yours of this date, and state for the benefit of whom it may concern, that the success of the first incubator I purchased of you in December, 1877, has been so satisfactory to the parties for whom I bought it, that they have since then taken the agency for its sale, and have purchased, through me, forty-eight more of your Centennial incubators. I believe they anticipate a still larger sale the coming season.

Yours, very truly,

M. BERLINER.

I refer to W H Todd, Vermillion, Ohio; A K Martin, Binghamton, N. Y.; G O Brown, Brooklandville, Md.; H C Gatchell, Brantford, Ont.; A L Embury, Mt. Vernon, N. Y., and dozens of other fanciers who have successfully used them the past season.

### EVERY MACHINE FULLY GUARANTEED.

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# ANTWERP CARRIERS

All Long Distance Breed.

In the late 150 miles Inter-State Race, the 10 prizes were all won by birds bred by myself or directly from my stock.

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From my famous bird,

## "Jupiter," the Champion Bird of this Continent,

Both for 1877 and 1878. Flew from Steubenville, Ohio, 355 miles airline, in July last.

4 Lewis St., New York.

# Light Brahmas

—AND—

## Silver D. W. Game Bants.

Not having disposed of my Prize Birds, I am prepared to

### FILL ORDERS FOR EGGS FROM THE ABOVE,

At \$2.50 per Sitting of 11 Eggs.

The above have Won Every Time Exhibited.

Light Brahmas won 1st at Hamilton, 1878.

Silver Luckwing Bants, 1st, 2nd & 3rd, at Hamilton, '78

One pair D. W. Bants for sale—won 2nd Prize this fall. Price, \$7 00

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FOR SALE.—1 splendid pair of White Pouters, \$3; 1 pair Blk. Jacobins, \$2. Speak quick. A. H. TYSON, Berlin

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FOR SALE.—Fine pair Silver Grey Dories, pair Wh. Leghorns, 3 Silver Spangled Hamburg hens, good W. F. Blk. Spania. All guaranteed pure. Must be sold.

17 TILSONBURG.

FOR SALE: Imperial Pekin Ducks, of Palmer's last importation, \$4 per pair, Drakes, \$2—cash.

SAM. HOLMES, Chatham, Ont.

FOR SALE: Trio very fine White Leghorns, old birds, mated for breeding, for \$5.

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FOR SALE: Business Games, cocks and stags, Heathwoods, Duckwings, Brown Reds and Mulls. Cocks, \$4; stags, \$3, cash. SAM HOLMES, Chatham.

FOR SALE: Game Bantams, Golden Duckwings—very nice, for \$4 per pair.

SAM HOLMES, Chatham, Ont.

EXCHANGE: would like to exchange some of the above stock for first-class Houdan cockerel, Rouen drake, or pair of Houdans.

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FOR SALE or Exchange: 2 Brown red Bantam cocks, 1 Black red bantam cockerel, Brown Leghorn cock rel, (Sanderson's strain) for Brown Leghorn pullets.

FRANK J. FISHER, Drawer 31, Brantford.

FOR SALE: A few young male Pouters, bred from my imported birds. A good chance for Pouter fanciers to get a good cross. JAMES MCGATH, 30, Little Richmond, St., Toronto.

EXCHANGE: Dark Brahma and Partridge and Buff Cochins, for Pouter Pigeons; must be first-class, and over 17 inches. H. G. CHALSWORTH,

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EXCHANGE: I will Exchange a pair of Luff Cochin chicks, extra fine for exhibition, weight 18 pounds, for pair white Cochins as good, and not less than 18 pounds.

H G. CHALSWORTH.



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BREEDERS OF

**Lt. Brahmas, Buff (And) Partridge Cochins**

W. C. B. POLISH,

**BLACK SPANISH AND HAMBURGS.**

Sept., 1878, at Detroit, we won 18 Premiums, besides Collection.

Dec. " at Fort Wayne, Ind., we won 38 Premiums on 38 Birds.

Jan., 1879, at the Great Chicago Show, among other Prizes, we won 7 Silver Medals for best pairs in class, and 13 First Prizes, on 10 pairs.

EGGS, \$3.00 PER SETTING. TWO SETTINGS FOR \$5.00.

## LIGHT BRAHMAS. (Exclusively.)

I am prepared to BOOK ORDERS FOR EGGS for the coming season from my splendid Standard Fowls.

**NO BETTER STOCK IN CANADA.**

In Pen No. 1, is a Cock, Williams' (Atlas) Strain, that took First Prize as a Cockerel, at the Great Boston Poultry Show, in winter, 1876-7. He is mated to one Hen and five Pullets, "Duke of York," (Comey's) strain.

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EGGS, \$2.50 FOR 13; OR, \$4.00 FOR 26, IF IN ONE ORDER. Orders booked in turn.

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EGGS for sale. Correspondence promptly attended to.

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## A HEN BOOK.

### THE BROWN LEGHORN FOWL!

AS IT WAS, AS IT IS, AS IT OUGHT TO BE.

THIS BOOK, while its general subject is what its title indicates, aims to be valuable and entertaining reading to anyone at all interested in Poultry Culture, anywhere, for any purpose, whether for pleasure or profit, the market or the Show-room, no point of interest is overlooked. It is not an advertising circular, it "puffs" neither the friends nor the stock of its Author. It blends interest with instruction. Is printed on fine tinted paper, well illustrated.

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C. R. HARKER, ROCHESTER, N. HAMPSHIRE, U. S.



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After eight years of careful breeding, I have succeeded in producing strains of my own, that for symmetry, beauty of plumage, and all high standard points, are unexcelled. A great lot of Chicks for breeding and exhibition purposes at reasonable prices. Illustrated circular and price list free,  
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**A. W. BESSEY,**  
*St. Catharines, Ont., (box 548)*  
 Breeder of and dealer in  
**Flying Antwerps,**  
 Of the very best blood in America.

I am breeding from all imported and trained birds which bear excellent records. A few pairs of young birds for sale reasonable.

American Dominiques and Silver D. W. Game Bantams. Eggs in season, \$2 per sitting. Send for prices. Satisfaction guaranteed. 2



**WM. H. DOEL,**  
 Poultry Yards, at "The Cedars,"  
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**CUP DARK BRAHMAS,**

Partridge Cochins, Black Spanish, Brown Leghorns, Houdans, Game Bantams, American Sebrights.

Eggs and Chicks in Season from all but the American Sebrights. 1-1ly



**J. M. CARSON,**  
*Orangeville, Ont., Canada,*  
 Breeder of the very best  
**W. F. Bk. Spanish,**  
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Pen. No. 1.—Cock imported from England, hens same strain. Pen. 2.—A trio selected from over 100 birds, from the best stock in Canada, 1st and 2nd at Orangeville and Charleston, 1878. Pen 3.—D. Brahmans, Cock took 2 1st & 2 2nds, at Hamilton, London, and Orangeville. '77 & '78; hens 1st premium stock. Eggs in season. Fowls for sale. 2 6m



**GEO. HOPE,**  
*Port Hope, Ontario,*  
 Breeder of  
**24 Varieties of High-Class Poultry,**  
 Eggs in season Cheap.

FANCY PIGEONS,

Abysinian Guinea Pigs. Tortoise Shell Guinea Pigs, and first-class Belgium Canaries, Stock unsurpassed. A Fine Lot of Chicks now for Sale.

Correspondence promptly answered.



**W. H. GIBSON,**  
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 Breeder of  
**W.F. Bk. Spanish & Bk. Cochins**

EGGS carefully packed, \$3 per doz.

My Black Spanish are Imported English birds from Stock which won 1st Premium at Birmingham, 1876-77.

Black Cochins from English and American Premium Stock. Young fowls for sale in season. 2-6



**THOS. BOGUE,**  
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 Breeder of all the popular varieties

**BUFF COCHINS, DARK BRAHMAS,**

Houdans, all varieties of Polands and Hamburgs.

Eggs, \$3.00 per dozen. 5 10



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 Breeder of Superior Fowls of the following varieties:

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**Black Red Games**

Have For Sale a few pairs of B. R. Chicks. Also a few pairs of two year old Birds.

Stock guaranteed first-class. 4-1



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**LEGHORNS & PLYMOUTH ROCKS,**  
 A Specialty.

CHICKS FOR SALE.—Plymouth Rocks, \$4.00 per pair. Brown Leghorns, \$2.00 per pair. Satisfaction guaranteed.



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And B. B. RED GAME BANTAMS.

Games from Cooper's Stock, Limerick, Ireland; rear-  
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EGG, \$2.00 per 11; warranted to hatch. 3-6m



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**PEDIGREED PRIZE ASIATICS.**  
Black, White, Buff and Partridge Cochins,  
LIGHT AND DARK BRAHMAS.

My stock this winter is most perfect in all the above  
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**White Faced Bk. Spanish**

From the most celebrated English strains. 1st and  
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EGGS, \$3, Per Sitting of 13.

A few Cockerls and Pullets for Sale. 1-6

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Breeder of superior fowls of the  
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**Brahmas, { LIGHT & DARK,**

White Cochins, Houdans, White Crested Black  
Polands, Golden Spangled Polands, B. E. R. Games,  
White Leghorns, Golden Spangled Hamburgs.

A fine lot of Chicks for Sale, from all the varieties,  
except W. C. B. Polands. Egg in season. Price list free.

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Importer and Breeder of

**Mammoth Bronze Turkeys,**

Bremen and Toulouse Geese, Pekin Ducks, Light  
Brahmas, Partridge Cochins, Plymouth Rocks, Col-  
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Guinea Fowls and Fancy Pigeons.

Write for what you want. 8-6



JAMES ANDERSON,  
*Springfield-Farm GUELPH, Ont.*  
BREEDER OF

LIGHT BRAHMAS,  
B. B. R. BANTAMS,  
BRONZE TURKEYS,  
Rouen, and Aylesbury Ducks  
from Bogue's celebrated stock.

EGGS, \$2.00 per doz. for Fowls and Ducks. 4-1



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Breeder of High-Class

**Plymouth Rocks,**  
S. S. HAMBURGS and PEKIN DUCKS.

My Stock is all warranted in every sense, and I take  
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EGGS, \$2.00 per 13; \$3.00 for 26.



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**WHITE and BROWN LEGHORNS**

White Cochins. Silver and Golden  
Seabright and Bk. African Bantams,  
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**LIGHT AND DARK BRAHMAS,**

Buff, Partridge and White Cochins,  
Silver Seabright Bantams. Fine lot of  
Chicks for Sale now.

Address.—P. Breiding, Berlin.



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**LAND and  
WATER FOWLS.**

Awarded 1000 Prizes, the last three years. Fowls  
always for Sale, and Eggs in season.

Write for what you want. 1-1y



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Breeder of First-Class

**BLACK BREASTED RED**

**GAME FOWLS!**

No other kind kept. Chicks for Sale. Stock un-  
excelled in style and plumage. 1

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Breeders and Importers of First-Class Stock:

**JERSEY CATTLE, BERKSHIRE, ESSEX & SUFFOLK PIGS,****LIGHT BRAHMAS, DARK BRAHMAS, BUFF COCHINS,**

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**A Few First-Class Birds for Sale****GET THE BEST.****CANADIAN HEADQUARTERS**

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**High-Class W. and Br. Leghorns.****100** Very fine CHICKS and FOWLS to spare at \$5 to \$6 PER. TRIO, mated for Breeding, \$7 and upwards for Exhibiting.**EGGS this Season** from four Yards of very fine Birds. the pick of 200 Chicks and Fowls, at \$3 per 1. \$5 per 26, packed in Baskets, and guarantee 70 per cent. fertile.**A Number of my Customers Last Year Reported, All Eggs Hatched Out of Two Sittings.**

My Birds took ALL the 1st Premiums on White and Brown Leghorns. old and young, at the late Provincial Exhibition, the only Fall Exhibition exhibited in 1878. Satisfaction given in all cases.

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**WATERLOO POULTRY YARDS.****JAS. LOCKIE, - Proprietor.**

The Firm of BREIDING &amp; LOCKIE, having been dissolved on the 19th day of Nov., last, the Breeding of

**High-Class Poultry**

Will now be carried on by me, on my own account. As I have erected additional Poultry Houses and added to my already well known Stock some of the choicest specimens on this Continent, if I cannot obtain success, I shall at least deserve it. Specialties:

**Light Brahmas, Partridge Cochins & P. Rocks.**

A few choice Light Brahma Chicks for Sale.

Visitors always welcome. Correspondence promptly answered, and square dealing guaranteed.

11-y

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I WILL DISPOSE OF THE FOLLOWING

**PURE BRED HIGH - CLASS FOWLS,**

At annexed prices if taken at once:

One Trio White Leghorns,.....	\$ 3.00	Two Trios Plymouth Rocks, .....	10.00
One Trio Houdans, .....	4.00	One Pair Buff Cochins, ....	10.00
One Pair Black Spanish, .....	3.00	Two Pairs Black Red Bantams, (lot) ..	4.00
Two Pairs Black Cochins, (lot) .....	16.00	One Pair Fine Aylesbury Ducks, ....	3.00

They are worth three times the prices asked, and will prove Great Bargains to purchasers.

**E. W. WARE, Hamilton, Ont.**