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THE CANADIAN BEE JOURNAL AND POULTRY WEEKLY.

"THE GREATEST POSSIBLE GOOD TO THE GREATEST POSSIBLE NUMBER."

Vol. V. No. 39

BETON, ONT., DEC. 18, 1889.

WHOLE No. 247

THE CANADIAN BEE JOURNAL & POULTRY WEEKLY.

ONE DOLLAR PER ANNUM IN ADVANCE.

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Advertisements for this Department will be inserted at the uniform rate of 25 CENTS each insertion—line each insertion, and 5 cents each additional column, be particular to mention the fact, else they will be inserted in our regular advertising columns. This column is especially intended for those who have bees, poultry, eggs, or other goods for exchange for something else and for the purpose of advertising bees, honey, poultry, etc., for sale. Cash must accompany advt.

BREEDERS' DIRECTORY.

\$1.00, one line; \$1.50, two lines; \$2.00, three lines per annum.

THE D. A. JONES Co., LD., Beeton,

PUBLISHERS' NOTES.

We will always be glad to forward sample copies to those desiring such.

The CANADIAN BEE JOURNAL AND POULTRY WEEKLY will be continued to each address until otherwise ordered and all arrears paid.

Subscriptions are always acknowledged on the wrapper label as soon as possible after receipt.
American Currency, stamps, Post Office orders, and New York and Chicago (par) drafts accepted at par in payment of subscription and advertising accounts.

We can supply Binders for the JOURNAL 55 cents each, post paid, with name printed on the back in Gold letters.
Subscription Price, \$1.00 per Annum Postage free for Canada and the United States; to England, Germany, etc. 10 cents per year extra; and to all countries not in the postal Union, \$1.00 extra per annum.

The number on each wrapper or address-label will show the expiring number of your subscription, and by comparing this with the Whole No. on the JOURNAL you can ascertain your exact standing.

Communications on any subject of interest to the Beekeepers and poultrymen are always welcome, and are solicited.

When sending in anything intended for the JOURNAL do not mix it up with a business communication. Use different sheets of paper. Both may, however be enclosed in the same envelope.

Reports from subscribers are always welcome. They assist greatly in making the JOURNAL interesting. If any particular system of management has contributed to your success, and you are willing that your neighbors should know it, tell them through the medium of the JOURNAL.

ERRORS.— We make them: so does everyone, and we will cheerfully correct them if you write us. Try to write us good naturally, but if you cannot, then write to us anyway. Do not complain to any one else or let it pass. We want an early opportunity to make right any injustice we may do.

CLUBBING RATES

THE CANADIAN BEE JOURNAL & POULTRY WEEKLY.		
AND "Gleanings," semi-monthly.....		\$1.75
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Offers Greater Inducements to Settlers Than any other State in the Union.

She wants vegetable and fruit farmers, Cattle and Poultry breeders, Grain and Grass growers, Woodworkers and Manufacturers. Its timber and mineral resources are unsurpassed; Its climate the finest in the world. This land of almost perpetual flowers excels in Bee-keeping, in Poultry raising, and in fruit culture. For full particulars send for specimen copy of **OUR SOUTHERN HOME** a monthly Magazine, Published by

M. H. PRIDE,
MOUNT HOLLY,
Gaston, County, North Carolina

SAVE YOUR BEES

From dying in winter, spring dwindling and chill of brood in spring and from the heat in summer by using

MY NEW CHAFF HIVES.

The surplus can be tiered up the same as on the single walled hives. Labor in the apiary is greatly reduced in preparing for winter and summer. They hold eight frames of the improved Langstroth size, and \$2.00 gets a sample complete, unpacked. Quantities in flat rock bottom prices. The speediest foundation faste or which does the best work for only 50c. A full line of supplies made and kept in stock. Send for price list.

W. A. CHRYSLER, Chatham, Ont. Box 450.

BEES AND HONEY.

TO ALL that are interested in Bees and Honey, send for our Free and Illustrated Catalogue of Apiarian Supplies. Address

M. RICHARDSON & SON,
Port Colborne, Ont.

Muth's Honey Extractor.

Perfection Cold Blast Smokers, Square Glass Honey Jars, etc. Send ten cents for "Practical Hints to Bee Keepers." For circulars apply

CHAS. F. MUTH & SON.
Cor. Freeman & Central Avenues, Cincinnati

Prof. Loisettes
MEMORY

DISCOVERY AND TRAINING METHOD

In spite of adulterated imitations which miss the theory, and practical results of the Original, in spite of the grossest misrepresentations by envious would-be competitors, and in spite of "base attempts to rob" him of the fruit of his labors, (all of which demonstrate the undoubted superiority and popularity of his teaching) Prof. Loisettes Art of Never Forgetting is recognized today in both Hemispheres as marking an Epoch in Memory Culture. His Prospectus (sent post free) gives opinions of people in all parts of the globe who have actually studied his System by correspondence, showing that his System is used *only while being studied, not afterwards; that any book can be learned in a single reading, mind-wandering cured, &c.* For Prospectus, Terms and Testimonials address
Prof. A. LOISETTE, 237 Fifth Avenue, N. Y.

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PATENT
HIVE:

I desire to notify Canadian Bee-Keepers that I have arranged with the D. A. JONES CO., of Beeton, Ont., for the exclusive sale of their Canadian Patent on the hive of my invention, so that all desiring

INDIVIDUAL OR TERRITORIAL
RIGHTS

Will hereafter communicate with me. I will also receive orders for hives and have the same promptly shipped from their factory in Beeton. This hive is now, after three years' public use, the most popular' hive in the world among leading honey producers, and has the most and best testimonials from such men as Langstroth, Cook, Hutchinson, Taylor, Stiles, Baldrige and many others, ever spoken or written of any bee hive. For this testimony, full description with illustrations and prices, address

JAMES HEDDON,
DOWAGIAC, MICH.

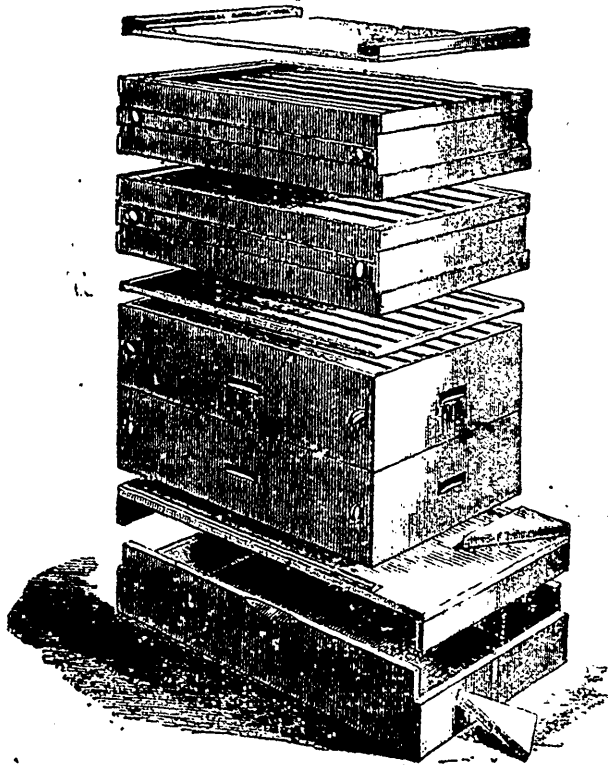


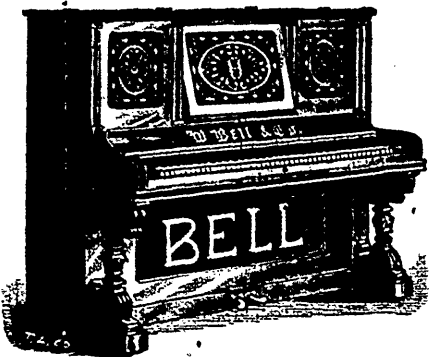
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IMPORTED QUEENS.

In May and June, each \$2 00
 In July and August, each 1 80
 In September and October, each 1 40
 Money must be sent in advance. No guarantee on shipments by mail. Queens sent by express (eight at least), which die in transit will be replaced if returned in a letter.
 CHAS. BIANCONCII, Bologna, Italy.

BELL
PIANOS.



QUALITY, FIRST-CLASS,
 TONE, PURE and BRILLIANT,
 DURABILITY UNAPPROACHED,
 CATALOGUE FREE.

W. BELL & CO.,
 GUELPH, Ont

PRICES CURRENT

Beeton Dec. 18, 1889

BEESWAX

We pay 33c in trade for good pure Beeswax, delivered at Beeton, at this date, sediment, (if any), deducted. American customers must remember that there is a duty of 25 per cent. on Wax coming into Canada.

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Broad Foundation, out to any size per pound.....300
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 Section Foundation cut to fit 3 1/4 x 4 1/4 and 4 1/4 x 4 1/4, per lb. 600
 Broad Foundation, starters, being wide enough for Frames but only three to ten inches deep.....450

THE BEE-KEEPER'S

REVIEW.

A 50 cent Monthly that gives the cream of apicultural literature; points out errors and fallacious ideas and gives each month the views of leading bee-keepers upon some special topic. THREE samples free.

W. Z. HUTCHINSON

613 Wood Street, Flint, Mich.

CARNIOLAN BEES

Pleasantest Bees in the World, hardest to winter, best honey gatherers. In order to introduce not only the bees but our paper THE ADVANCE, we offer to anyone who will send us \$1.25 a copy of our paper and a nice Carniolan queen. The queen alone is worth \$2. Address

THE ADVANCE, Mechanic Falls, Me

FRIENDS. IF YOU ARE IN ANY WAY INTERESTED IN

BEES AND HONEY

We will with pleasure send you a sample copy of our **EMI-MONTHLY GLEANINGS IN BEE-CULTURE**, with a descriptive Price-list of the best improve ments in Hives, Honey Extractors, Comb Foundation, Section Honey Boxes, all books and journals and everything pertaining to bee-culture. Nothing patented. Simply send your address on a postal card, written plainly
 A. I. ROOT, Medina, Ohio

Bee-Keepers Guide
 —OR—
 MANUAL OF THE APIARY.

This fifteenth thousand much enlarged and more richly illustrated than previous editions. It has been fully revised, and contains the very latest in respect to bee-keeping. Price by mail \$1.50. Liberal discount to dealers and for clubs.

A. J. COOK, Author & Publisher,
 STATE AGRICULTURAL COLLEGE,
 LANSING, MICH.

BARNES' FOOT-POWER MACHINERY



Read what J. J. PARENT, of Charlton, N. Y., says—"We cut with one of your Combined Machines last winter 50 chaff hives with 7 inch cap, 100 honey racks, 500 broad frames, 2,000 honey boxes and a great deal of other work. This winter we have double the number of beehives, etc. to make, and we expect to do it all with this saw. It will do all you say it will." Catalogue and Price List free. Address W. F. &

JOHN BARNES, 544 Ruby St., Rockford, Ill.

Doolittle's New Book

"Scientific Queen Rearing."

Containing 170 pages, tells how to rear queens in full colonies having a laying queen, how to get queens fertilized in such colonies, so that queens can be reared, fertilized, and kept in reserve without any colony ever being queenless, how to safely introduce any queen, all about forming and multiplying nuclei or colonies, all about the different races of bees, candy for queens and bees, cages for queens and queen cells, etc., etc. In short it gives much information of great value, never before given to the public. Should you want such a book, dear reader, send \$1 to G.M. DOOLITTLE, Borodino, Ontonagon Co., N. Y.

HOW - TO - MANAGE - BEES; OR BEE-KEEPING FOR THE "MASSES"

Every farmer, and all beginners in bee-keeping, as well as those more advanced, should have it, as it is especially adapted to their wants. Fully up to date. Price \$1.00 by mail. In beautiful paper covers illustrated. Address

W. S. VANDRUFF, Waynesburgh, Pa.

The Favorite

Medicine for Throat and Lung Difficulties has long been, and still is, Ayer's Cherry Pectoral. It cures Croup, Whooping Cough, Bronchitis, and Asthma; soothes irritation of the Larynx and Fauces; strengthens the Vocal Organs; allays soreness of the Lungs; prevents Consumption, and, even in advanced stages of that disease, relieves Coughing and induces Sleep. There is no other preparation for diseases of the throat and lungs to be compared with this remedy.

"My wife had a distressing cough, with pains in the side and breast. We tried various medicines, but none did her any good until I got a bottle of Ayer's Cherry Pectoral, which has cured her. A neighbor, Mrs. Glenn, had the measles, and the cough was relieved by the use of Ayer's Cherry Pectoral. I have no hesitation in recommending this

Cough Medicine

to every one afflicted."—Robert Horton, Foreman *Headlight*, Morrilton, Ark.

"I have been afflicted with asthma for forty years. Last spring I was taken with a violent cough, which threatened to terminate my days. Every one pronounced me in consumption. I determined to try Ayer's Cherry Pectoral. Its effects were magical. I was immediately relieved and continued to improve until entirely recovered."—Joel Bullard, Guilford, Conn.

"Six months ago I had a severe hemorrhage of the lungs, brought on by an incessant cough which deprived me of sleep and rest. I tried various remedies, but obtained no relief until I began to take Ayer's Cherry Pectoral. A few bottles of this medicine cured me." Mrs. E. Coburn, 19 Second st., Lowell, Mass.

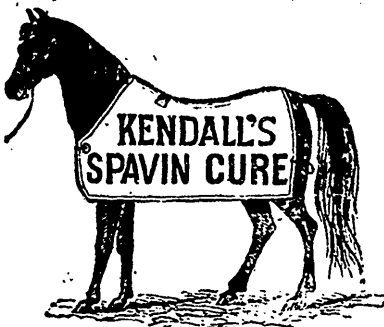
"For children afflicted with colds, coughs, sore throat, or croup, I do not know of any remedy which will give more speedy relief than Ayer's Cherry Pectoral. I have found it, also, invaluable in cases of Whooping Cough."—Ann Lovejoy, 1237 Washington street, Boston, Mass.

Ayer's Cherry Pectoral,

PREPARED BY

Dr. J. C. Ayer & Co., Lowell, Mass.

Sold by all Druggists. Price \$1; six bottles, \$5.



The Most Successful Remedy ever discovered, as it is certain in its effects and does not blister. Read proof below.

KENDALL'S SPAVIN CURE.

OFFICE OF CHARLES A. SNYDER,
BREEDER OF
CLEVELAND BAY AND TROTTER BRED HORSES,
ELMWOOD, ILL., Nov. 20, 1888.

DR. B. J. KENDALL always purchased your Kendall's Spavin Cure. I have purchased your Kendall's Spavin Cure. I would like prices in quantity. I think it is one of the best things on earth. I have used it on my stables for three years.

Yours truly, CHAR. A. SNYDER.

KENDALL'S SPAVIN CURE.

BROOKLYN, N. Y., November 8, 1888.
DR. B. J. KENDALL CO.
Dear Sirs: I desire to give you testimonial of my good opinion of your Kendall's Spavin Cure. I have used it for Lameness, Stiff Joints and Spavins, and I have found it a sure cure, I cordially recommend it to all horsemen.

Yours truly, A. H. GILBERT,
Manager Troy Laundry Stables.

KENDALL'S SPAVIN CURE.

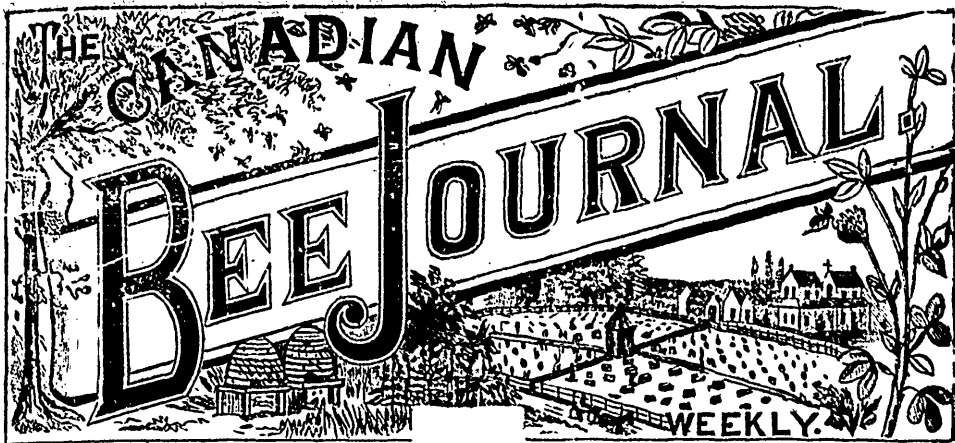
SANT WINTON COURT, OHIO, Dec. 19, 1888.
DR. B. J. KENDALL CO.
Gents: I feel it my duty to say what I have done with your Kendall's Spavin Cure. I have cured twenty-five horses that had Spavins, ten of King Bama, nine afflicted with Big Head and seven of Big Jaw. Since I have had one of your books and followed the directions, I have never lost a case of any kind.

Yours truly, ANDREW TURNER,
Horse Doctor.

KENDALL'S SPAVIN CURE.

Price \$1 per bottle, or six bottles for \$5. All Druggists have it or can get it for you, or it will be sent to any address on receipt of price by the proprietors. DR. B. J. KENDALL CO., EUGENBURGH FALLS, VT.

SOLD BY ALL DRUGGISTS.



"THE GREATEST POSSIBLE GOOD TO THE GREATEST POSSIBLE NUMBER."

VOL. V. No. 39 BEETON, ONT., DEC. 18. 1889. WHOLE No. 247

SPECIAL ANNOUNCEMENT.

We have completed arrangements with the publishers of the *Farm Journal*, a first class agricultural monthly, published in Philadelphia, whereby we can make the following unparalleled offers :

1—To every present subscriber who will get us a new subscription, for one year at \$1.00, we will send the *Farm Journal* FREE, and the new subscriber, whose name is sent will also receive it free of all charge.

2—For 30 cents, we will send the CANADIAN BEE JOURNAL AND POULTRY WEEKLY, the balance of the year (1889) and the *Farm Journal* right through 1890.

This splendid offer enables all our subscribers to get for themselves an excellent agricultural paper, *absolutely free of charge* and we hope to see hundreds of our patrons take advantage of it. Please lose no time in attending to this matter. All subscriptions received with \$1.00, will be entered as expiring January 1st 1891, so that the new subscribers will receive each paper 15 months. Come now, and help us.

Our Leading Premium.

TO BEE-KEEPERS.—A beautiful virgin queen, for delivery in the spring of 1890 will form the leading premium in this department of the CANADIAN BEE JOURNAL AND POULTRY WEEKLY. The price of these when sold singly is 60 cents, but we will send one by mail, prepaid, to all those who send direct to this office \$1.00 as a years subscription either new, or for a renewal of one full year. We also give choice of other premiums, and subscribers are at liberty to choose which they will have.

EDITORIAL.

EVERY little while some subscriber will remit us \$1.00 to continue their subscription to the C. B. J. & P. W." and they have perhaps allowed their subscription to run into arrears a couple of months. But when they remit they generally remember to designate which premium they desire. The object in giving premiums is to induce subscribers to remit promptly in advance, and to remove any doubt which may be in the minds of the subscribers as to when their subscription expires, we invariably notify all subscribers a week in advance. We have time and again mentioned that we cannot possibly afford premiums except under the above conditions, and we must ask all those who are desirous of obtaining such, to note this fact and remit in time.

On Tuesday of last week we received an anonymous letter bearing the Campbellford postmark. It contained four dollars, and the note simply said; "See last part of 8th verse in the 19th chapter of the Gospel according to St. Luke for explanation." This reads: "If I have taken anything from any one by false accusation I restore him fourfold."

INTERNATIONAL AMERICAN BEE ASSOCIATION.

BEST CONVENTION IN THE HISTORY OF THE ASSOCIATION.

THIRD SESSION.

The third session was called to order at 9, a. m. on Thursday. The first paper given was by Miss H. F. Buller, of Campbellford, Ont., entitled

Bee-Keeping as an Occupation for Women.

The question may be, and no doubt often has been asked, is bee keeping a suitable or desirable occupation for women? And after having given it a pretty fair trial for the last eight years I am of the opinion that there is no reason why any woman of moderate strength and intelligence should not be able to take charge of an apiary of from 30 to 50 colonies, with very little assistance, and derive both pleasure and profit from the employment; at the same time I doubt whether there are many who would succeed very well carrying on the business alone, though of course there are some few who would.

In reading the numerous bee papers that are published now a days one frequently meets with articles on the subject of, whether it is best to make a specialty of bee-keeping or combine it with some other occupation. Some writers say every farmer should keep bees as well as farm.

Now I do not believe that the farmer can carry on both farming and bee-keeping successfully himself, but if he has either daughters or sons who will make a specialty of this department, bee keeping may advantageously be combined with farming, and I do not know of any reason why girls might not make as great a success of the business as boys. The wife is supposed to have her hands quite full enough with household work and I may say her head too, and for any one either boy or girl, man or woman, to do any good with bees they must give them their undivided attention and be really interested and enthusiastic over their work.

Eternal vigilance is the price of success in any business, and in none more than bee-keeping.

It is not only labor but a science and will make constant demands not only on the patience but bodily strength and intelligence of those who engage in it, at the same time there is a fascination about the business which relieves it of all tediousness. A woman will think of her bees, study about them and become so interested as to be almost paid for her work by the love of it.

I believe it would be well worth while for any who has not been in the way of learning the management of an apiary to spend one season with a skilful bee-keeper before embarking in the business on their own account as they would then find out not only the best methods of working but also whether the kind of work suited them. However even with this preparation all will not succeed for I know a lady who took this course and afterwards failed entirely when she was working for herself, while others who have only learned what they could from books and papers, besides the suggestions and instructions given them by more experienced bee keeping friends have done very well.

In conclusion I may say that a great deal of the work in the apiary is quite as well adapted for women as for men, and also in the care of the honey and preparing it for market.

Where they are most likely to feel their deficiency is in lack of skill in the various carpentering jobs that seem to be inseparably connected with bee-keeping. I imagine it is the exception rather than the rule to find a woman who knows how to handle carpenter's tools though even this they may acquire enough of to answer the purpose where there is a necessity for doing so.

HENRIETTA F. BULLER.

DISCUSSION ON MISS. BULLER'S PAPER.

Prof. Cook,—Thought that boys and girls should be encouraged and suggested that a colony of bees be given them and that the children be told that they are their's. Don't take the money made from them yourself but allow the boys and girls to keep it.

Rev. W. F. Clarke,—Emphasised Prof Cook's remarks.

R. L. Taylor,—Thought that it depended mainly on the strength of women who undertook bee-keeping, and it was his idea that women should handle bees more on account of health than money.

O. L. Hershiser,—said that after all, money was the main object and in-

stanced a case of two little girls 14 and 16 years of age who took care of his bees during the last season and whom he paid in bees and honey. These little girls have now a bank account of \$75 or \$80.

R. McKnight—said that in no occupation could women compete with men as well as in bee-keeping.

Mrs. Geo. Sturgeon had found great health in the occupation though she had always received assistance with the heavier part of the work.

R. F. Holterman—said that his wife and his mother were both bee-keepers. That his mother had kept bees on her own account for years and had been able to make it pay.

C. P. Dadant—His sister had an apiary which she managed entirely with a little occasional assistance for the heavier work.

Following the above discussion came a paper from Mr. R. McKnight, of Owen Sound; subject being:—

Cellar vs. Out-door Wintering.

I have been assigned the duty of saying a few words on the subject of wintering, with the view, I suppose, of opening up a discussion on this important matter.

Safe wintering is of prime importance to success in bee keeping in high latitudes, hence the best method of accomplishing this cannot secure too much attention, for upon it depends in a large measure the result of the season's work.

I am not expected to treat the subject exhaustively. This is clear from the fact that I am limited to eight minutes in discussing it.

Successful wintering either indoors or out, depends not so much on where bees spend their season of quietude and repose, as how they are treated during the time of their activity.

Preparation for wintering should begin when the first notes of our sylvan songsters fall upon the ear, as they return from their temporary stay in the sunny south.

"When through the neighboring fields the sower stalks with measured tread; and liberal throws the grain.

Into the faithful bosom of the ground."

It should continue while the floral world fills the air with its balmy odors, and nectar is being distilled in plenty. It should go on

"While the mower sinking heaps o'er him the humid hay with flowers perfumed."

And only cease when on the last mellow autumn day,

"The insects swarm from their dark nooks, To sport through one day of existence more."

It is only then the bee keepers work of preparation should cease, and that of gathering in in one group his pets," be entered upon, that in peace and safety they may pass the time when "The sky saddens with the gathering clouds, And through the hushed air the whitening storm deepens.

If only proper treatment be accorded bees throughout the successive stages of their active life, it is not a matter of vital importance whether they spend their season of repose in the cellar or out of doors provided they are properly protected.

Preparation is not my theme however. My text has been furnished me and I must stick to it. Cellar vs. Outdoor Wintering, that's the question." As it stands I suppose I am expected to put in a strong plea for the cellar. But I am somewhat at a loss to know just what cellar means in my text. Usually it is an elastic term, that may mean anything from a damp and dismal hole in the ground to a well built, well ventilated and well appointed apartment. If I am to interpret cellar to mean the underground room of a dwelling house well built and suitably ventilated, it will be a safe enough place in which to winter bees. However safe it may be, if this be the cellar of my text I must at once declare myself in favor of the outdoor system, for I am entirely opposed to the use of the house cellar as a winter storing place for bees to any great extent. I am opposed to it not on the bees account, but upon sanitary principles when a cellar is so used it cannot be other than disagreeable to those who live over it. The exhalations thrown off by the bees—floating up as it will and diffusing itself through the atmosphere of the rooms above, must be the reverse of agreeable to people who inhale it. It may be worse than disagreeable. It may be positively injurious to health. I incline to the belief that it is so. If there is such a disease as "bee asthma," and if it is contracted by inhaling the odours arising from an opened hive in the open air, how much more likely is it to manifest itself when its inhalation continues for months at a time? For these reasons I cannot advocate cellar wintering in the literal sense of the phrase.

An underground or partially underground structure is however, in my judgment, the best wintering place—best because most convenient and most economic; both of which are important considerations. Speaking as I do from years of experience in various plans of wintering carried on simultaneously. I know whereof I affirm. During these years I have had two bee yards—some years three. At home I winter in a bee-

house. As the out apairies I pack on the summer stands or in clamps, and my experience convinces me that the indoor plan has the advantage of the outdoor in these two important matters, convenience and economy. The convenience consists in the ease and rapidity with which the hive may be put in and taken out with little or no preliminary work. The economy consists in conserving heat and saving honey.

I shall not enter into the consideration of which is safest for I believe safety may be insured by either plan, but content myself by showing that convenience and economy both range themselves on the side of the indoor method of wintering.

Admitting that one has on hand the cases and clamps of former years, the work of packing for winter outside is still a labour of some magnitude. The cases must be placed in position, the hives moved into them, sawdust or other suitable material procured, and the packing done. All this consumes time and recurs with every returning winter. Compare this work with the simple labour of transferring from the yard to the bee house and it is a mere bagatelle.

The economy of the indoor as compared with the outdoor method must be apparent to every one who has given the matter any thought at all. In the former the heat generated by the bees when together may be employed in maintaining a uniform and suitable temperature, resulting in a continued state of quiescence and comfort, which state reduces the consumption of stores to a minimum.

My own experience goes to show that one half the amount of honey per hive will serve to winter in the house that is required to bring them through outside. This saving is of great importance to bee keepers in more respects than one. It often enables him to winter without fall feeding when otherwise it would be necessary to do so. If the stores be ample it is no less advantageous, for it saves honey which means money. Let us take for example a bee keeper who has, say 200 colonies. Five months will be the average time of their confinement in winter quarters. Say it requires a pound and a half per colony per month inside, and three pounds outside, there will be a saving of nearly eight pounds per colony in favor of the bee house—or 1600 pounds for 200 colonies. 1600 pounds at 9c per pound is \$144. But it may be urged that the extra cost of the building will more than counterbalance the saving of honey. This I am not prepared to admit! Three hundred dollars at most will serve to construct a bee house, where labour and lumber are not excessively

high. The expenditure once incurred no further outlay will be necessary for a lifetime. While the building may be made to serve the purpose of a first class extracting room, or a store house in summer. On the other hand no satisfactory plan of out door wintering can be adopted without a considerable outlay in labour and money. If the single clamp plan be practiced (and I hold this to be the best plan of out door wintering) it will require 50 feet of lumber at least for each outer case, or 10,000 feet for 200 colonies. This at \$9.00 per thousand represents \$900.00 for labour and nails, say 15c each \$30-, sawdust or other packing material, say 5c each—\$100 or \$14c in all. This will cover half the cost of a permanent structure, in every way preferable. To this we must add twice the consumption of honey annually. It is easy therefore to determine which plan in the long run is the most economical to the man who keeps from 100 to 200 colonies. And it is to such my remarks more particularly apply.

Bee keepers having a less working force should regulate their practice by the circumstances in which they find themselves.

R. MCKNIGHT.

Owen Sound, Ont.

DISCUSSION ON MR. MCKNIGHT'S PAPER.

Dr. A.E. Harvey.—As a medical man and as one who winters almost entirely in the cellar maintained that if the bees and cellar were properly cared for there could be no danger of disease. The repository should be regularly and properly cleaned out. If this could not be done one had not better winter in the cellar. There is a great deal more danger from decaying vegetables than from dead bees.

Geo. Sturgeon—Wintered out doors exclusively some 200 colonies, and had been most successful. The locality and style of hive had a great deal to do with safe wintering. He protects his hives from the North-west winds by a high fence, and the average consumption per colony was 7 lbs. He uses Root's chaff hive; puts chaff on the top of the hive. He used to winter in the cellar, but was troubled so much with spring dwindling that he gave up that system.

R. L. Taylor.—Desired to know the temperature which Mr. Sturgeon endeavored to maintain in his cellar.

Answer.—40 to 45 degrees.

R. L. Taylor.—How near, did he come to it?

Answer.—From ten to 15 degrees.

Rev. W. F. Clarke.—To his mind the work of carrying the hives out of and into the cellar or the bee house was the worst part of it.

J. B. Aches.—Agreed with Mr. McKnight regarding the comparative consumption of honey; was in favor of indoor wintering, and generally put his bees away about the last of October. In answer to a question he stated that his cellar was entirely underground.

G. H. Ashley.—Had tried experiments as to the amount of honey consumed in wintering outdoors as against indoors. When he had 82 colonies he had placed 76 in the cellar, and left 6 average colonies outside on summer stands in double walled hives. The bees were placed in the cellar on the 19th of November, and were taken out on the 19th of April, having been in winter quarters exactly five months. The hives were weighed in and out. Taking an average half dozen of those wintered in the cellar, he had found the consumption to be 9½ lbs of stores, as against 13 pounds, consumed by those outside. 75 per cent of those wintered inside bred up better than those which had been left outside. Spring dwindling, was in his opinion, caused by bees being set out too early. If the bees were kept at an even temperature the consumption of stores would be very much less. Last winter during a confinement of 5 months the consumption per colony was 5 6-7 lbs. He attributed the light consumption of stores to the even temperature which he had maintained—very close to 45 degrees. When he had started bee keeping he was filled up with the idea that sub-earth ventilation was required to winter successfully, but he had long since done away with that entirely, and now used only a two inch conductor pipe to admit air.

S. Corneil.—Inquired if Mr. Ashley had taken into account the amount of brood in the combs, between those wintered inside and out, when he was

G. H. Ashley.—Said there was no difference in this case, though the point had been taken into consideration at the time. He used a modification of the Simplicity and the Langstroth hive, estimating the average consumption.

S. Corneil.—Said that if protected well

outside bees would winter as well as inside, and would need but very little more stores. He put no packing below the hive but raised them up about four inches from the ground and left an air space below.

A Picket.—Inquired if took more than four inches of packing to obtain the results mentioned by Mr. Corneil.

S. Corneil.—That depends.

E. R. Root.—Thought that the question hinged on the consumption of stores. The objection taken by Mr. Clark as to the trouble of getting bees in and out of cellars, did not amount, to much. He had assisted in carrying a large number of colonies into the cellar the past fall and found that by using hive bails there was very little stooping, and the work was not worth mentioning.

Prof. Cook.—Thought that Mr. McKnight's paper was excellent, but that there had perhaps been a little too much said on the point of ill health. He agreed with Dr. Harvey on that point. He was satisfied, however, that Mr. McKnight was pretty accurate as to the comparative consumption of stores. He was not as great a believer in sub-earth ventilation as he had formerly been. If the temperature were kept uniform at from 40 to 45 degrees, the great point in successful wintering was attained.

S. Corneil.—Sub-earth ventilation was beneficial only provided there was a vigorous exhaust. It makes no real difference where it comes in; the advantage of bringing it in through the earth was that the air would likely be warmer. The difficulty arose, where the air came in too fast, being unable to manage the current. Where it is possible an apartment should be partitioned off, into which the air might come. He had tried a experiment in this direction by building a small box about the sub-earth pipe, at its entrance to the cellar, and covering it with wire cloth, as he had heard that wire netting was a help in breaking and distributing the current, but he was unable to say that he had observed any real result, as the experiment was conducted on too small a scale. He ventured the assertion that he could winter bees in a temperature of 25 degrees, and do it successfully by lining the walls of the hive thick.

J. B. Hall.—Where is the man who

winters his hives out-of-doors? You all talk about out-door wintering, but when it comes right down to it, if you do not put your bees into a cellar, you build a little cellar around each colony. Why not put them all into one big cellar?

R. L. Taylor—Did not think that it was necessary to keep bees in doors so very late.

The convention then adjourned till 1.30 p.m.

AFTERNOON SESSION. THURSDAY.

The first paper on the programme for this session was from Prof. Cook, on the alimentary system or apparatus of the honey bee the proof of which is not yet to hand. The convention then proceeded to select the place for holding the next meeting. Keokuk, Iowa, was chosen, and the election of officers was then held, which resulted as follows:

President—R. L. Taylor, Lapeer, Mich.

First Vice Pres.—Eugene Secor, Forest City, Iowa.

Secretary.—C. P. Dadant, Hamilton, Ills.

Treasurer.—Dr. C. C. Miller, Marengo, Ills.

The other vice-presidents are to be chosen by the executive committee.

REPORT OF COMMITTEE ON RESOLUTIONS.

The report of the committee on Resolutions was read and adopted. It is as follows:

Resolved That the cordial thanks of this Association are due, and are hereby tendered to the Brant Bee-Keepers' Association, for its kind invitation (extended at its last session) to meet at Brantford, and for the generous and efficient manner in which it has received and entertained this convention.

Resolved. That our thanks are also tendered to the Mayor and the City Council of Brantford, who have so kindly carried out the evident wish of the city, in granting us the free use of this hall, and in giving us a generous welcome.

Resolved. That the thanks of this association are due, and hereby extended to such bee periodicals as have given us the gratuitous use of their columns for notices of meetings, and in other ways giving their assistance to make this meeting a success. And to the city and other papers who have kindly published our proceedings, and for the correct manner in which they have reported our meetings.

Resolved. That the thanks of this Association are due and hereby tendered to the quartette who so kindly assisted in enlivening our session by the singing of our bee-keepers' songs.

Resolved. That the thanks of this Association are due and hereby tendered to the hotels and

railroads for reduced rates and accommodations, *Resolved*. That having been informed by a communication from ex-President, Thos. G. Newman (read by the President), of the severe illness of his wife, and of his regret at not being able to be with us in this convention, we hereby tender him our most cordial sympathy, and express our sincere regrets that he is not permitted to be with us.

To the Rev. L. L. Langstroth, the acknowledged father of modern apiculture, who is with us in thought but absent on account of failing health, we send most cordial greeting, and wish him a restoration to health and strength, and express our regrets that he is not here to cheer us by his presence, and enlighten us by his counsel and wisdom.

To S. T. Pettit, of Belmont, Ont., and E. D. Keeney, of Arcady, N. Y., who sent regrets for their inability to be with us on account of ill-health.

To J. F. Detwiler, of New Smyrna, Fla., who came so far as Toledo, O., and was prevented from attending the convention because of the death of his father, we also send words of cheer and our regrets at their enforced absence.

R. F. HOLTERMAN,)
R. L. TAYLOR,) Com.

The following telegram was sent to Father Langstroth: "The International Bee-Keepers' send affectionate greeting, and wish you were here."

Next came an essay from S. Cornell, of Lindsay, Ont., upon

Heat-Retaining Hive—How It Is Best Obtained.

Regarding the protection of bees against cold in winter, and during the time of rapid brood rearing in spring, I take the ground that warm air inside the hive is of the first importance, and that the temperature of the air outside the hive is only a secondary matter, provided the hive walls are composed of good heat-retaining materials. In a hive of bees we have, as it were, a self-acting furnace, keeping up a constant temperature of 65 degrees in the centre, and at least 50 degrees in the atmosphere immediately surrounding it, when the bees are the most quiescent.

As with live stock during our winters, so with bees, the better the heat is retained in the air in contact with them, the less food they consume, and the less vital work is required to keep up the standard temperature. That much of the heat generated, may be retained by the selection of best materials for the hive, is evident from the following account given by Prof. Pepper, in his work on "Heat."

One of the most interesting novelties displayed in the department devoted to Norway, in the French Exhibition of 1867, was the self-acting Norwegian cooking apparatus, constructed in the most simple manner, of a wooden box lined with four inches of felt, in which the sauce-pans containing the food, previously boiled and maintained at the boiling point for five or ten minutes, according to the nature of the food to be cooked are placed. The heated sauce-pans are covered with a thick felt cover, and the lid of the box being fastened down, the rest of the

cooking is done by slow digestion, no more heat being added.

"The heated vessels containing the food will retain a high temperature for several hours, so that a dinner put into the apparatus at 8 in the morning, would be quite hot and ready by 5 in the afternoon, and would keep hot up to 10 or 12 at night, because the felt clothing so completely prevents the escape of the heat; as the whole is enclosed in a box, there are no currents of air to carry off any other heat by convection.

"The principle on which this cooking-apparatus acts; is that of retaining the heat; and it consists of a heat-retainer or isolating apparatus shaped something like a refrigerator, and one or more sauce pans to fit into it."

In selecting the materials for hives, with a view to the greatest warmth, it should be remembered, that air conducts nearly twice as much heat as cork, the ratio being as 49 to 29. Carded wool and wool-felt conduct about four times as much as cork. Blotting paper conducts about as much as wool. Sawdust conducts about seven times as much as cork. Wood generally conducts seventeen times as much heat as cork, "more than four times as much as wool, and more than ten times as much as air."

Cheshire says. "If a hive side of $\frac{3}{4}$ inch zinc have its protective power represented by 1, that of a double side with dead (?) air space would equal 4, while the same wooden sides packed tightly with chaff would equal 10." "Further experiments proved that the cork dust in lieu of the chaff-packing, gave a non-conductivity to be represented by 14."

My own experiments have satisfied me that straw is a much better heat retaining material than wood. Each straw has a dead-air chamber between the joints, and when the straws are pressed together, the air lying between them is comparatively "dead."

I made some experiments last winter with an old-style Jones hive made of straw, and a single-walled eight-framed Langstroth hive. I found that the same quantity of hot water cooled much more quickly in the Langstroth. For covering hives on top there is nothing available as good as quilts filled with sheeps wool. There is a kind of batting used by upholsterers which I think would answer nearly as well. It is made of old woolen rags, and costs, at wholesale, less than half the price of wool.

Cork-dust at wholesale costs about five or six cents per pound. A cubic foot well packed weighs about eight pounds. About three pounds will be required to give an $\frac{1}{4}$ inches of filling for the walls of ordinary hives. I use picture-backing and three thicknesses of carpet felt-paper for the inner skin of my hives, and $\frac{1}{2}$ inch pine for the outer skin. Hives with walls thus filled will measure about 2 $\frac{1}{2}$ inches larger each way. They will weigh about five or six pounds more, and will cost about as much more as single-walled hives of the same capacity.

The question which every bee-keeper will ask before incurring the extra expense is, will it pay to use these double-walled hives? I think it will be admitted that their advantages for early spring brood-rearing are as great as for wintering, but leaving the former out of the question, if, during the time one of these hives lasts, it should be the means of saving in good condition a colony of bees, which in a single walled hive

would have died, it will pay to use hives with packed walls.

S. CORNELL.

The discussion on this paper will be given in our next issue, also the balance of the convention report.

ONTARIO BEEKEEPERS ASSOCIATION

A MEETING of the members of the O.B.K.A. was convened on the evening of Thursday Dec. 5th after the evening session of the I. A. B. A. at which meeting it was resolved that the O.B.K.A. affiliate with the International American Bee-Keeper's Association.

DIRECTORS MEETING.

On the following morning at 9 a. m. a meeting of the directors was held at the Kirby house for the purpose of formulating a program for the coming annual meeting. The secretary was instructed to ask for papers from Prof. Fletcher, of the Dominion Experimental Farm at Ottawa, Allan Pringle, S. Cornell, F.A. Gemmill and F.H. Macpherson.

It was decided to write Prof. Wm. Saunders, the superintendent of the Dominion Experimental Farms to be present and deliver an address.

A resolution was passed instructing the president to obtain from the author his lowest price for a supply of Doolittle's book on queen rearing to be given to the members of the O.B.K.A. for the coming year with instructions to report at the annual meeting. A resolution was passed fixing the individual fee for auditing the books of the association at \$2.

On motion a meeting of directors was fixed for the evening of the day previous to the first session of the meeting at Belleville to close the accounts for the year.

Bee-keepers' Letters.

MANY bee-keepers and tradespeople are careless about their correspondence. Careless, we mean, as to its form and materials. We wish to call attention to the slipshod and go-as-you-please style of their paper and envelopes. The morning mail of any supply dealer or manufacturer always brings a great variety of communications: Important orders finely written on postal cards, with

details and shipping instructions crowded in; half-sheets of flimsy note paper, written on both sides, with hardly room for a signature; a request scrawled in pencil on a bit of newspaper about a consignment, etc., etc., and a fair proportion of business-like communications, post size.

What we would recommend is that every bee-keeper, great or small should provide himself with proper writing paper of good quality, having his name, business and address printed at the top. A blank margin at the left hand side proves a help, to get an order filled quickly, for the supply dealer or his chief of department, makes his memorandum thereon. Not seldom, these letters are left unsigned, which causes delay and sometimes trouble. Now if the bee-keeper's name and address were at the top of his letter, the omission of his signature would not be much matter. Such a printed heading need not cost more than \$1.25 per thousand for envelopes, or \$1.50 per thousand for paper, so that such a business-like convenience as we have described can be had have at the rate of a cent for six sheets.

Government Returns.

THE November Bulletin of the Bureau of Industries contains only a short report of the honey yield of the Province for the season, of 1889. It says:

"The reports concerning the apiary are, upon the whole, very favorable." Not a single correspondent has made mention of any disease among bees. Notwithstanding the cold weather of the latter part of May, and the wet and backward state of the first half of June, the honey product for the year has been very good, averaging about 75 lbs., per colony, spring count, and covering a range of from 25 to 250 lbs. for each original hive. The bees will go into winter quarters with an abundance of supplies. Swarming was very successful, stocks, as a rule being doubled. Some apiarists report that there was too much swarming with a certain class of bee-keepers for good wintering, as some in the business trebled and quadrupled their stands. The market for honey has been good, the product being generally taken up at satisfactory prices.

TO THE DEAF.—A person cured of Deafness and noises in the head of 23 years standing by a simple remedy, will send a description of it FREE to any Person who applies to NICHOLSON, 30 St. John St. Montreal.

The Coming Ontario Convention:

Pressure on our space compells us to barely mention this week the coming annual meeting of the O. B. K. A. at Belleville, Jan. 8th and 9th. We trust there will be a grand turn out for the programme promises to be unusually interesting.

CONVENTION NOTICES

The next annual meeting of the Ontario Beekeepers Association will be held in the city of Belleville on the second Wednesday and Thursday, 8th and 9th, of January 1890. All members are respectfully requested to be present. There will be a good programme prepared.

Railroad certificates for reduced rates will be sent to any persons desiring to attend the meetings if they will apply for them. W. Coats, secretary, Streetsville.

The annual meeting of the Oxford B. K. Association will be held on Saturday, December 14th, 1889, commencing at 10 a.m., in the Council Chamber, Woodstock. A cordial invitation to all interested in Bee-keeping. Members bring statistics for filling out annual report. J. E. Frith, Secretary.

MICHIGAN STATE BEE-KEEPERS' ASSOCIATION.

The 24th annual meeting of this Association will be held at Lansing in the Capital building, on Dec. 26 and 27.

Reduced rates have been secured at the Hudson House. Half fare on nearly all railroads. A few roads charge one and one-third fare for the round trip.

Several very interesting papers have been promised from our leading apiarists.

The question box will be one of the important features. Come prepared to ask and answer questions. A cordial invitation is extended to all. H. D. CUTTING, Sec.

Clinton, Mich., Dec. 1, 1889.

12 CENTS PER POUND FOR EXTRACTED.

For No. 1 extracted honey, put up and shipped us in 60 pound tins—we will pay 12c. per lb, delivered at Beeton, payment to be made in any kind of supplies wanted at prices marked in our catalogue. This is the most we have offered for honey in a wholesale way for years.

We want subscription agents wanted everywhere.

Prof. Loissette's Memory System is creating greater interest than ever in all parts of the country, and persons wishing to improve their memory should send for his prospectus free as advertised in another column.

Send five cents for samples of our lithographed and other honey labels. It pays to have your packages bear your name and address. Honey tastily labelled finds ready sale

You can make money with little effort by taking advantage of our special offers and inducing neighbors to subscribe.

POULTRY WEEKLY

W. C. G. PETER,

EDITOR.

All communications intended for publication must be sent to W. C. G. Peter, Angus. All advertisements, subscriptions and business letters to be addressed to the Publishers, Beeton.

Our Leading Premium.

TO POULTRYMEN:—Christie's Automatic Feeder is the leading premium in this department of the CANADIAN BEE JOURNAL AND POULTRY WEEKLY. The price of the feeder itself is 50c., but we will send it, prepaid, to all those who send to this office, \$1 as a year's subscription, either new or for a renewal of one full year. We also give choice of other premiums, and subscribers are at liberty to choose which they will have.

DUNNVILLE SHOW

ELEVEN-HUNDRED BIRDS ON EXHIBITION.

It is impossible to do justice to the exhibit at Dunnville, by simply noting the prize winners. In every class there many birds only half a point behind them. We noted a large number of single birds in almost every variety that individually scored higher and as high as some of the winners, notably in Light Brahmas, W. and B. Leghorns, Barred Rocks and White Rocks. We have in mind an exceptionally handsome Light Brahma cockerel shown by A. G. Luxton. He was the handsomest we have seen for a long time, and was the highest scoring cockerel in the class (93). The pullet lost him a place. Another very fine pair scoring 92½ each, shown by H. Bawden, C. Palace Hotel, Hamilton, were entered wrong and lost their place on the list thereby. All the winners were very fine.

The 2nd cock, (P. H. Hamilton's of Hami-

ton.) will soon stand harder beating, a fine fellow. The breeding pens were numerous and good. One extra pullet (entry 180) scored 93.

Dark Brahmas.—Were not so numerous but some choice birds, 1st hen a perfect beauty, 1st chicks the cockerel, fine handsome head and hackle, splendid shape, good all over, scoring 93 well won points.

Buff Cochins.—The class is large and as usual extra good, some noted winners coming to the front again. O'Brien & Colwell, Paris, head the list with an excellent pair. The other winners in the class well placed.

Partridge Cochins.—A small class but very choice in quality.

White Cochins.—Were a grand lot and plenty of them; the entire exhibit one of the best. 1st B. pen, one that the old-timer, Willie McNeil likes to show.

Dorkings in all varieties not looking in as good condition as usual but it is owing to natural conditions. 1st Silver Grey and White, easy winners.

Barred Plymouth Rocks.—Defy our attempts at comment, a most excellent and large exhibit and will do much to increase the popularity of the breed. Not a bird to be ashamed of in the lot. Prizes well placed, and many outside the winners score over 90, and such breeding pens too, as we seldom see.

White P. Rocks.—The class is very large and all choice. 1st pairs in old and young of simply beautiful shape and good white. The 1st breeding pen makes us quite envious. Large, hearty and snow-white.

S. L. Wyandottes.—Only one pair. The pullet very choice, cockerel very dingy hackle.

White Wyandottes out in great force and some excellent birds in the class. 1st winners well deserve their place.

Golden Wyandottes.—In the first B. pen we see some better hopes for the future of the variety than we have found hitherto.

Black Spanish.—A small class, but good. 1st chicks a fine pair. Cockerel very handsome

indeed with excellent face, fine, white and smooth and eyes perfectly clear.

S. C. W. Leghorns.—We have before referred to the immense and choice exhibit in this class. Our old friend Wixon of Ingersoll here met the strongest competition that he has ever encountered, and as he was holding some "extras" back for the "Ontario" he could not stand the pressure, and some of the coveted "reds and blues" went "far, far away." The quality of the stock may be imagined, the left out birds in some instances scoring well up over the nineties, 94 being quite common. One hen of Bro. Wixon's, "Dove", a perfect gem, scoring 97. It was no disgrace to lose in such company and every winner won its place very hard. Mr. Marshall is covered with glory and feels "big Injun" just now.

S. C. B. Leghorns were just as close and nothing could be keener than the race for 1st and 2nd which was a triumph to be remembered. The judges had indeed a difficult task in placing awards on the breeding pens. Haney's grand breeding pen winning 1st and Mr. Lockie's special. The fight for places in the W. and B Leghorn class will long be remembered.

Rose Comb Whites.—All scored high—the lowest 91—and looked very beautiful.

Browns.—Also looked very handsome especially in the pairs. The cock in breeding pen not up to his mates in merit.

Black Leghorns.—Were more numerous than we have ever seen them and show remarkable improvement. No look of Minorcas about them but a nice typical Leghorn that will surely become popular. All the birds in the class of superior merit, F. Wixon winning the coveted 1st on B. Pen with a choice lot of birds.

Black Minorcas.—Were out in force and some extra fine ones, notably the 2nd pair chicks which only want weight, fine in form and most lustrous in color. Cockerel exceedingly promising 1st breeding pen a splendid lot in the pink of condition, but all good.

White Minorcas.—Were the best yet seen, and are now in the right hands to have some chance for a future before them, though we are not among their ardent admirers. They were shown in fine shape, as is everything that the genial Willie McNeil takes in hand.

Games.—Were out much stronger than usual when heavy exhibitors were not on hand; some very nice Duckwings and Pyles, 1st on these; Black and Brown-Red very stylish. In the fancy breeds of the several varieties of Hamburgs and Polands; the entire exhibit reflected the greatest credit on the exhibitors. Mr. McNeil's name is enough assurance as to the quality shown, and most of the 1st tickets were gobbled up by his "never to be satisfied beautiful birds." He also exhibited a choice B. Pen in nearly every variety of Hamburgs, Polands and fancy Bantams. This exhibit alone was a show in miniature, and every bird bore evidence

of skill in managing his stock that has made Mr. McNeil's name famous. Messrs. Burn & Moffatt are creeping up to him pretty well, and trying a lance with Wm. at his own game takes men of pluck and skill combined. And the numerous entries of good birds quickened expectation, which is the life of an exhibition. Messrs Burn & Moffatt are to be congratulated on their position in the fancy. Mr. Burn is one of the "feverish" ones, goes with his stock whenever possible, and helps to make things hum at the shows.

Houdans.—Were a small class of good birds, Haney's 1st pair well placed.

Bantams. Of these pretty pets there was a remarkably fine collection both as to number and quality, Burn & Moffatt's 1st, old pairs, in Black Red & Duckwings, exceedingly handsome and great in style. First Pyle Game Bantams by same exhibitors rich in color and grand station. The Game Bants all through were of extra quality and to win 1st needed something of rare merit. In fancy Bantams the exhibit was immense and good in all classes. Four exhibitors contended for the honors in Pekin Bants in an unusually large and fine class of these favorites.

Turkeys.—Contrary to expectation were a very small class and out of condition in bronze and white classes.

Geese.—Were fairly represented in number and of good quality throughout. 1st in Embden a fine extra-pair.

Ducks.—Were strong classes especially in Aylesbury and Pekins. The competition in these was close, the birds being very uniform and good. Cayugas though a small class were up in quality. J. H. Housers elegant Pea Fowl lent "an air of grace to the exhibition" as we heard remarked.

In closing we may be pardoned for referring to the pleasure we experienced on receiving an invitation to visit the elegantly equipped rooms of the "Live Oak Hose Coy." of Dunville. We had the pleasure of inspecting the many trophies won by this efficient Coy. in the several trials of skill and expedition into which they have entered. Most prized of all by the "boys" and worthily so, is the elegant and costly trophy won by them at the International tournament of the N. Y. Fire Association, where they beat the world's record far long distance hose laying etc. We had a specimen of their business capacity unfortunately at a fire which occurred in town the night after the closing of the show. Such quick work is sure to get there. With this closes our record of one of the pleasantest times we have had at a poultry show. We find ourselves anticipating next year already.

Below will be found the list of prize winning bird's at the late great exhibition. The exhibit was immense, as will be seen from the list of winners. The birds on exhibition numbered very near eleven hundred. The judging and scoring of such a show could not be got through in the time allotted for it and the breeding pens and some few varieties, were not scored. We regret this as breeding pens were out in exceptional force and of extra quality, and as

usual some of the primest stock was reserved for the breeding pens. But it was impossible for one man to do it. We overheard this expressed in forcible if not elegant style by a visitor who remarked, "Butterfield can't score this show in three days and he's no slouch."

PRIZE LIST.

Light Brahmas, old—1st C H Akerley, Tonawanda, N. Y., 2nd P H Hamilton, of Hamilton, Ont.; Chicks, C H Akerley, A Drake, Byng; Breeding Pen—C H Akerley, J B Clarke, Dunnville.

Dark Brahmas, old.—Wm McNeil, London, Ontario, J H Houser, Canboro, Ontario; Chicks—Wm. McNeil; breeding pen—2nd O'Brien & Colwell, Paris, Ontario.

Buff Cochins, old.—O'Brien & Colwell, C H Akerley; Chicks—Geo. G. McCormack, London, Ont., C H Akerley, breeding pen—Geo. G. McCormack, John Melenbacher, Byng.

Partridge Cochins, old.—Wm. McNeil, A G H Luxton; chicks—Wm. McNeil 1st and 2nd; breeding pen—A G H Luxton, Hamilton.

White Cochins, old.—Wm. McNeil, London, O'Brien & Colwell, chicks—Wm McNeil; breeding pen—Wm McNeil, O'Brien & Colwell.

Black Cochins, old.—Wm McNeil; chicks, Wm McNeil 1st and 2nd; Breeding pen, Wm. McNeil.

Langshans, old—Wm McNeil, C J Eisele, Guelph; chicks—Wm McNeil, C J Eisele; breeding pen—Wm McNeil, A G H Luxton.

White Dorkings old—Burn & Moffatt, Wm. Mawhinney.

Silver Grey Dorkings—Wm Mawhinney, Burn & Moffatt, chicks—Burn & Moffatt.

P Rocks, old—James B Clarke, O'Brien & Colwell, chicks—J B Clarke 1st and 2nd; breeding pen—J B Clarke 1st and 2nd.

P Rocks, white, old.—H H Wallace, Woodstock, H Bender, chicks—H Bender, H H Wallace, Woodstock, H Bender, S M Clemo.

Silver Wyandottes, chicks—Wm McNeil.
White Wyandottes, old—Geo G McCormack, chicks H H Wallace, breeding pen—Geo G McCormack, R. J Gracey.

Golden Wyandottes chicks—2nd Jas. B Clarke; breeding pen—James Clema.

W A Black Spanish, old—Burn & Moffatt; chicks—Burn & Moffatt 1st and 2nd, breeding pen—A G H Luxton.

S C White Leghorns, old—F Wixson, Ingersoll, Cochrane & Cameron, Galt, chicks—R H Marshall, 1st and 2nd; breeding pen—R H Marshall, F Wixson. S C B Leghorns, old—Jno Pletsch, C H McCrae; chicks, Arthur Stevens, J J Bowden; breeding pen—S Haney, C. H. McCrae.

R C W Leghorns, old—W C G Peter 1st and 2nd; chicks—W C G Peter 1st and 2nd.

R C brown Leghorns, old—R J Gracey; chicks—R J Gracey; breeding pen—R J Gracey 2nd.

Black Leghorns, old—chicks—John Pletsch 1st and 2nd; breeding pen—F Wixson, John Pletsch.

Black Minorcas, old—2nd Geo G McCormack—chicks, —Geo G McCormack, O G Kalbfleisch; breeding pen—C H McCrae, Geo G McCormack.

White Minorcas, chicks—Wm. McNeil, breeding pen Wm. McNeil.

Black Red Game, Old—Burn & Moffatt; O A Sheehan; chicks, O A Sheehan, Burn & Moffatt; Brown Red Pit Game, old—Harry Bowden, John A Cooley, chicks—James Haney & Son 1st and 2nd; breeding pen—D Lyons.

Duckwing Game, old.—O'Brien & Colwell, 1st and 2nd; chicks—Burn & Moffatt.

Pile Game, old—Burn and Moffatt, O'Brien & Colwell.

Black Javas, old—A G H Luxton; chicks—Robert Cameron, Homer, Ontario, A G H Luxton.

Golden Spangled Hamburgs, old—Wm. McNeil; chicks—Wm. McNeil; breeding pen—Wm. McNeil.

S. S. Hamburgs, —Wm. McNeil; chicks—Wm. McNeil, Burn & Moffatt.

G P Hamburgs, old—Wm. McNeil, Burn & Moffatt; chicks—Wm. McNeil, Burn & Moffatt; breeding pen—Wm. McNeil.

S P Hamburgs—old—Wm. McNeil; chicks—Wm. McNeil; breeding pen—Wm. McNeil.

Black Hamburgs, old—Wm. McNeil; Burn & Moffatt; chicks—Wm. McNeil; breeding pen—Wm. McNeil.

Houdans, old—Jas. Haney & Son, O'Brien & Colwell; chicks—Wm. McNeil, Burn & Moffatt.

W C Blk Polands, old—Wm McNeil, Burn & Moffatt; chicks—Wm McNeil, Burn & Moffatt; breeding pen—Wm. McNeil.

Golden Polands, old—Wm. McNeil, Burn & Moffatt; chicks—O'Brien & Colwell, Burn & Moffatt; breeding pen—Wm. McNeil.

Silver Polands, old—Wm. McNeil, Burn & Moffatt; chicks—Wm. McNeil.

White Polands, old—2nd Burn & Moffatt.

White Polands bearded, old—Wm. McNeil; chicks—Wm. McNeil

Polands A O V old—Wm McNeil, Burn & Moffatt; breeding pen—Wm. McNeil.

B. R. G. Bantams, old—Burn & Moffatt; O'Brien & Colwell; chicks, W C G Peter 2nd.

Brown Red Game Bantams, old—Robt Cameron.

Duck Wing Game Bantams, old—Burn & Moffatt; chicks—O'Brien & Colwell 1st and 2nd.

Pyle Game Bantams, old—Burn & Moffatt; chicks—Burn & Moffatt, Robt Cameron

Golden Sebright Bants, old—Wm. McNeil Burn & Moffatt, chicks—Wm. McNeil, 1st and 2nd, breeding pen—Wm. McNeil.

White Bantams, old—Robt Cameron.

Pekin Bantams, old—Wm McNeil, Burn & Moffatt; chicks—Wm McNeil O A Sheehan; breeding pen—Wm. McNeil J B Clarke.

Japanese Bantams, old—Wm McNeil 1st and 2nd; Wm McNeil 1st and 2nd, breeding pen—Wm McNeil.

African Bantams, old—Wm McNeil 1st and 2nd; chicks—Wm McNeil; breeding pen—Wm. McNeil.

Bronze Turkeys—Matthew Culleton, Frank Lave.

White Turkeys—Matthew Culleton 1st and 2nd.

Turkeys A O V—H N & S Vanderburg.

Emden Geese—O'Brien & Colwell, Henry Marshall. Geese A O V—O'Brien & Colwell.

J. H. Houser.

Aylesbury Ducks—H H Wallace.

Rouen Ducks—H H Wallace 1st and 2nd.

Pekin Ducks—H H Wallace 1st and 2nd. Cayuga Ducks—A G H Luxton, 1st and 2nd.

Carrier pigeons—Robt Cameron, 1st and 2nd. Antwerp—Robt Cameron, A G H Luxton. Pouters—R Cameron A G H Luxton. Barb—Robt Cameron. Long Faced Tumbler—Robt Cameron. Fan Tail—Robt Cameron 1st and 2nd. Jacobin—Robt Cameron. Turbet—Robt Cameron. A G H Luxton. Owl—Robt Cameron, A G H Luxton. Nun—Robt Cameron, A G H Luxton. Trumpeter—Robt Cameron. Maggie—Robt Cameron.

Pea Fowl—J H Houser 1st and 2nd. For Best Cage Canaries—S M Clemo, Frank Foreman. Canary Singer—O G Kalbfleisch, S W Hornbrook, Sr.

Pug Dugs—Clifford H A Lees 1st and 2nd. English Collie—S W Hornbrook, James Clemo. Harrier—S W Hornbrook. American Setter—Frank Foreman. Spaniel A O V—C H McCrae, Frank Foreman. Irish Water Spaniel—C H McCrae. Grey Hound—A L Pool 1st and 2nd. Rough Coated St Bernard—D T Rodgers, C H Akerley. English Setter—C H McCrae. Cocker Spaniel—Harry Rawden, Crayton Logan. Mastiff—Robt Rolston.

Largest Exhibit of Poultry—Wm McNeil, London, Burn & Moffat, Tilsonburg. Congdon & Marshall's special—Jno Gillap, Dunnville. Exhibitor coming longest distance, R B Patterson's special—W C G Peters, Angus, Ont. N. Lockie's special—Stephen Haney, Dunnville. James Rolston's special—Chas Akerley, Tonawanda. Jno Nichol's special—Harry Bawden, Hamilton. Gazette special—Chas Akerley, Tonawanda. C H McCrae's special—Burn & Moffat, Tilsonburg. Reform Press special—Robt Cameron, Homer, Ont. Jas B Clark's special—Chas Akerley, Tonawanda. Jas B Clark's special—S M Clemo, Dunnville. S M Clemo's special—Jas B Clarke, Dunnville. J H Smith's special—A L Poole, Hamilton. J A McIndoe's special—C H A Lees, Port Dover. Geo T Wood's special—Robt Marshall, Dunnville. A Steven's special—Matthew Culleton, Dunnville. Geo T Wood's special—Wm McNeil, London. R H Marshall's special—C H McCrae, Dunnville. J C Eccles' special—C H McCrae, Dunnville. F R Lalor's special—D T Rogers, Cayuga. O G Kalbfleisch's special—R H Marshall, Dunnville. L Werner's special—Wm McNeil, London. D J Jewhurst's special—O G Kalbfleisch, Dunnville.

S Butterfield, Minden, Ont., judged the poultry, and D O Shea, London, the dogs. There were 50 dogs on exhibitors.

The 1st prize in rough coated St. Bernards was won by "Hector", a magnificent specimen, massive and symmetrical in build, and the best colored St. Bernard in the show. He also won Mr. Lalors special for the largest and best St. Bernard (dog or bitch) owned by W F Rogers, Cayuga.

The 1st prize and silver trophy, donated by J Rolston, for the best rough coated St. Bernard pup (dog or bitch) was won by a phenomenal pup, "Mount St. Elias." If he develops as he is promising he will cause a sensation when he comes out in the adult class. This splendid animal is owned by C H Akerley, Tonawanda, N. Y. He also won 2nd in the dog class. Among the other St. Bernards of note, "Carl", winner of 1st owned by F R Lalor. A very nice bitch, "Juno", owned by Robt. Rolston and Rev. W McKnight's "Bob." J.

H. Smith's "Topsy" and Mrs. Waldrons "Nero" closing a large class of fine St. Bernards.

English Mastiffs.—The 1st prize went to "Plato," a model dog, fine style, and a very picture of strength and massive beauty. He is owned by R Rolston.

Pugs.—1st and 2nd were won by "Patsy" and "Trix," two typical specimens owned by C H A Lees, Port Dover. Luxton, of Hamilton, owning a nice one of this variety.

English Collies.—1st in this class was the imported dog, "Dan," owned by S. W. Hornbrook, Dunnville, a very fine specimen of his class. The 2nd going to another pretty dog, "Colley," owned by T Clemo. Jas. Clemo showing a nice pup, "Jack."

Setter—In this class 1st for American Setter fell to a fine bitch "Juno" owned by Frank Foreman. W A McCrae's "Shot" winning 1st in English Setters, a good dog.

English Cocker Spaniels.—1st was won by "Pop" a pretty creature owned by C H McCrae. The 1st prize and McNichol's special for the best Cocker Spaniel on exhibition was won by "Sport" a handsome specimen of the Cocker owned by Harry Bawden, Hamilton, who also ran close for 2nd with a nice bitch, "Nannie," 2nd going fairly however to "Lady Grand," owned by C. Logan, Dunnville.

King Charles Spaniels.—Were represented by a very beautiful and choice bitch "Daisy" Mr. H. Bawden is also the proud possessor of this little gem.

Eng. G. Hounds.—Three entries 1st going to "Sport" an easy victory. "Jess" 2nd with "Bess" nearly equal. We cannot name the owner of these graceful creatures at this writing.

Harrier.—1st won by Mr. S. W. Hornbrook's handsome imported hound "Mollie."

Newfoundland.—A fine dog owned by M. J. Clary won 1st.

Any other variety.—Was won by Mr. F. Foreman's pretty spaniel "Muff" as there was no separate class for pups. Some good dogs were not on the prize list. Among these were Mr. C. H. A. Lees Cocker spaniels "Flirt the 2nd and Boxer" two nice pups, the two cockers "Punch" and Judy. F. Rolston's Skye Terrier "Suap" and Mr. C. H. McCrae's Irish field spaniel "Susy".

Presentation.

A pleasing event in connection with the show took place on Thursday evening, the last day of the exhibition, when in appreciation of the indefatigable efforts of the president, Mr C H McCrae, and in acknowledgement of the same, the exhibitors from a distance presented him with a silver fruit dish. Mr. F. Wixon was spokesman and well expressed the feelings of those who wished to present the memento of their esteem and satisfaction. The presentation was made by Mrs. Peter, and on behalf of the exhibitors and seemed to take the president quite by surprise; he declared himself unworthy of such an acknowledgement, but that was not at all the opinion of those who were present at the Dunnville show. Mr. McCrae

has a most painstaking officer in the secretary, Mr Congdon, and we all know that no show can be a success unless these two important posts are filled by able men.

For the Poultry Weekly.

Feeding Poultry for Eggs in Winter.

THINKING that this subject would not be out of place at this season of the year and that much benefit would be received by a discussion on the best method of feeding poultry, I will give you my method in short. I feed warm, soft feed three or four times a week, made up of boiled cabbage, turnips, etc. mixed thick with ground oats, bran and shorts in which I put chopped onions about once a week. Right after this I throw down some fine grain such as wheat, oats or barley into a litter of chaff which they scratch for. I never give any noon meal at all but about four o'clock give them a good feed of pure sound wheat, change the feed often and always make them work for what grain they get. This I think one of the best ways for feeding in winter. I have tried different ways but find that eggs are more plentiful when the food is changed often. Be careful not to get them too fat and I think you will have no trouble.

Eggs.

Barrie

For the Poultry Weekly.

Kempenfeldt Poultry Pigeon and Pet Stock Association.

A MEETING of this association was held on Tuesday evening, Dec. 3rd, 1889, at their room, Duke of York Orange Hall, Barrie. The President, Mr. Peter, called the meeting to order, after which the minutes of the last meeting were read and confirmed. There was a good attendance of members present.

Several communications were disposed of, one being an offer from R. H. Steadman of \$10 in cash for prizes for breeding pens for Barrie show in 1890, which was accepted with thanks.

It was moved, seconded and carried, that the entrance fees in the Pigeon class be changed from 25c to 15c.

One thing that was very encouraging about this meeting was the addition of seven new members to our association.

There being no further business of importance, the judging of Pekin Bantam hens was begun, which resulted in the first prize being placed on a hen belonging to Geo. H. Carley, scoring 94½ points. There were six pair of pigeons on exhibition but through some mis-

understanding as to the way they should be classed, no prizes were awarded. For next meeting Silver Laced Wyandotte hens and pullets will be on exhibition, also Fantails, Antwerps and Jacobins.

The names of the new members were R. Elliott, Angus, Ont.; W. J. Bell, Baida, Ont. E. G. Bingham, H. P. Barrand, Geo. Strawbridge, E. B. Greenwood and P. F. Ewan, Barrie. The meeting then adjourned.

Geo. H. CARLEY, Secy.

Barrie, Dec. 9th, '89.

Toronto Poultry, Pigeon and Pet Stock Association.

THE Toronto Poultry, Pigeon and Pet Stock Association held its annual meeting in Richmond Street hall on Saturday night. The society is growing rapidly. The by-laws were amended, and it is intended to make next year's meetings interesting by having a monthly show and competition in each variety of poultry, pigeons and pet stock. The following were elected officers for next year:—Hon. President, J. Dilworth; First Vice-President, J. Miles; Second Vice-President, Chas. R. Bache; Secretary, E. F. Doty; Treasurer R. Dowens; executive committee, S. M. Davis, C. A. McKinnon, J. Gray, C. J. Daniels, A. J. Groves, M. Salt; Delegates to Industrial Exhibition, W. Barber, E. J. Otter; Delegates to the Western Exhibition, J. Dilworth, S. M. Davis; Auditors, H. B. Donovan, Chas. R. Bache.

Broilers.

W. A. L.—I was pleased to see last week your answers to questions re broiler raising, but there are some points yet, which I, a novice, am unacquainted with and which I would like to have explained, as I am thinking of engaging in the business.

How are broilers sold, alive or dressed? Is there generally a good market for them? What is fair average price?

Broilers are marketed dressed, and a great deal depends upon how this work is done, in the matter of prices. If dry picked, without tearing the skin, and the birds are plump and good color of skin, you will realize at least 25c. more per pair. We cannot give price for your locality it should be higher than here, where broilers at the best season will go about 35 to 40 cents per pound.

Which would be the best way for me to dispose of them; send them to a commission man or sell them on the market myself?

Your best plan will be to make ar-

rangements with a good commission man to market the birds, that is judging from the distance, which you say is 60 miles. If you are often called near the market, of course you will do better to sell them yourself. A great deal depends upon the expense of your journey.

My proposed market is Detroit, from which I am distant about 60 miles. Can I enter them duty free, both live and dressed?

We cannot say. Apply to the Customs office nearest to you. We think there is no duty however.

I have a large, dry upstairs to my house could I raise my broilers up there successfully without much filth accumulating, or spoiling the floor.

Wabash, Nov. 21.

Yes! You could raise them there. The quantity of stuff that would accumulate would be entirely under your own control. Our plan would be to put in a false floor, and protect the walls to the necessary height with building or tarred paper; have around the room at the bottom a false skirting board about eight inches wide, and cover the floor as deep as you can with earth. Then after your broilers are done with, all could be made clean in a very short time.

Partridge Cochins.

THIS variety of the Asiatic family is a prime favorite with fanciers, market poultrymen and stock breeders. From first to last they have held their own among the many meritorious breeds which have been added to our stock, and to-day they rank next to the Light Brahma in the Asiatic class. They are well adapted to village or rural life; extremely docile, healthy, hardy and good table fowls. They are easily confined in village lots; the ordinary picket fence keeps them within bounds. Those who like a large breed with a rich and showy plumage find the Partridge Cochins to suit them admirably. They are an easy breed to rear, fatten readily, are good layers, especially in cold weather; their flesh is rich and savory and quite tender for a large fowl. The plumage of the male Partridge Cochins closely resembles that of the B. B. Red exhibition Game. The hens too have a handsome plumage of partridge color, but of late years a cherry red or mahogany ground color with darker pencilling is becoming popular in the show room, and adding much to their beauty. They are, however, a hard breed to skillfully

mate, and therefore the novice usually meets up-hill work if he attempts to compete with veteran fanciers in the show room. Those who can make up two breeding pens have the advantage of producing cockerels and pullets of high quality, whereas with one pen, unless skillfully mated, it is difficult to get prime males and females. Partridge Cochins have the same strong sitting propensities common to the Asiatic class. They need plenty of exercise to keep down internal fat, and much coarse food in their daily ration of grain. Pullets of this variety lay more or less in winter if they get proper care and are warmly housed. For breeding and show purposes early hatching is recommended. They do not come to full maturity before they reach seven months. They lead the other Cochins varieties in number and popularity, and, taking their qualities into consideration, they are a handsome and useful variety of fowls.—Joseph Wallace, in American Poultry Journal.

Given Away by a Goose.

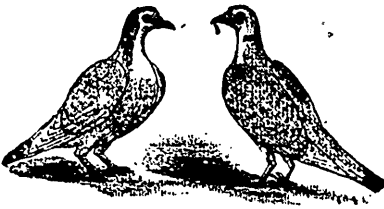
A young man in Brushvalley town was desperately in love with a farmers daughter, says the Punxsutawney (Pa.) Spirit. She reciprocated the tender passion, but her father was sullen and obdurate and gave the young man to understand in the most emphatic terms that if he ever entered that house it would be at his peril. He would, he said, "kick the daylight out of him."

One night recently, when the old gentleman had gone to Indiana to be absent all night, the young man took advantage of his absence to visit the daughter. They were sitting in the front room, both beaming with joy. It was nearly midnight. Presently the daughter heard a noise which she recognized as her father's footsteps. There was a bed in the room, and the girl drew back the calico curtains and told the young man to hustle under. He did so. She had forgotten to tell him that there was a goose under there engaged in a motherly effort to hatch out a dozen young goslings. Scarcely had the young man gotten himself securely stowed away when the girl's father entered. Just about this time the old goose made a hissing noise, drew back its long neck and struck the already frightened intruder a smart blow on the left ear, nipping a piece out. That was enough. He was sure he had been bitten by a snake, and, with a bloodcurdling yell, the young man rushed from his hiding place, screaming at the top of his voice:

"Snake! Snake! I'm bit by a snake! and I don't care a dang who knows it!"

And the clandestine lover made a break for the door, and ran home with furious speed, yelling at every jump.

The old man was at first very much startled at the strange apparition, but he soon realized the situation, and both himself and daughter laughed heartily.



PIGEONS AND PETS.

Conducted by E. F. Doty, 47 Wellington Place, Toronto, to whom all queries and communications concerning this department should be addressed.

The Carrier.

Continued.

LAST week we mentioned among other things the standard colors of the Carrier and perhaps it is needless to say that each should be as rich as possible. Taking first the Blacks, it is very seldom we find a bird good in other points, really good in colour. Most are dull and show a faint bar on the wings; this is counteracted by matching with a nice soft dun; seeing of course that both birds do not lack the same points otherwise. A Black cock and dun hen are usually matched together from which the progeny generally takes after the parents, being a dun cock and black hen; whence the scarcity of dun cocks and black hens. It is advisable when there is a chance to match a black hen and dun cock together thus obtaining, perchance, the rarer colors; but either cross is good and if they can be matched both ways so much the better. Duns are most likely larger birds than the blacks, and as size and strength are points well worth keeping up, it should be encouraged.

To be continued.

The Pigeon Loft.

When a building is to be erected especially for a pigeon loft, there are a few points which should be observed in its construction. The first, and it seems to me the most important, is "airiness." It should be well lighted as pigeons, like plants, must have light and without it cannot thrive. Ventilators, which are easily regulated, should also be provided.

Cleanliness should come next and for this many little conveniences have been devised.

Slanting boards under the perches, nests and drinking fountains which are easily cleaned and sand sprinkled on the floor, together with many others leave no excuse for uncleanness. It has been well said that if you have not time to look after the cleanliness of your loft, give up your birds at once.

Warmth is also an important feature of a good loft. This is accomplished by making the walls and ceiling double and lining with building paper or tarred felt. If the windows are also placed on the south or east side it will help to keep the loft warm. It is a question only answered by experience, whether or not artificial heat is necessary. I think not, but there is a great difference of opinion on this subject.

Outside the loft, if the birds are not allowed their liberty should be a covered aviary. A small one will do but a large one is better. If the birds have their freedom, this is of course unnecessary but if they must have some kind of exercise and a good aviary is all that is required.—L. P. G. in Fanciers Review.

COMING SHOWS.

Poultry Association of Ontario, St. Catharines, Ont., January 7, 8, 9 and 10, 1890. R. Hamill, Secretary, J. A. Rykert, M. P. President.

Eureka Poultry Association Chatham Jan. 20 to 23rd, S. Butterfield judge, C. M. Baskerville, secretary, Chatham.

Milton, December 30 and 31, 1889, and Jan 1, 1890. Judges, Bicknell and Smel. John Dewar, secretary.

Bowmanville, December 31st, 1889, Jan. 1, 2, 3, 1890. S. Butterfield, judge. J. M. Hern, Secretary.

OHIO.

Central Ohio, at Mt. Gilead, Ohio, January 7th to 11, 1890. J. Y. Bicknell, Judge. W. F. Bruce, Secretary.

Cleveland, January 14th to 19th, 1890. C. C. Schellentrager, Sec., Glenville.

Fayette Association, at Washington C. H., January 14th to 10th, 1890. J. B. Collier, Sec. Union, at Cardington, Dec. 17 to 21, 1889. G. S. Singer, Secretary.

Poultrymen should note the fact that the JOURNAL is issued weekly and that it visits the homes, and the advertisements catch the eye four times as often as the monthlies, at no higher scale of charges. The circulation is rapidly increasing.

The attention of all our readers is called to the unique and unparalleled offer which we make on page 928. Please go right to work, and see that each one of you, does your own share,—our list will thank you.

To Our Subscribers.

MIL special announcement which appeared in our columns some time since, announcing a special arrangement with Dr. J. B. KENDALL Co., of Enosburgh Falls, Vt., publishers of "A Treatise on the horse and his diseases," whereby our subscribers were enabled to obtain a copy of that valuable work free by sending their address to B. J. Kendall Co. (and enclosing a two-cent stamp for mailing same) is renewed for a limited period. We trust all will avail themselves of the opportunity of obtaining this valuable work. To every lover, of the horse it is indispensable, as it treats in a simple manner all the diseases afflicting this noble animal. Its phenomenal sale throughout the United States and Canada, make it standard authority. Mention this paper when writing for "Treatise."

A Grand Trial Trip.

We want every poultry fancier or breeder in the country on our list of subscribers, and to them we make the following liberal offer:

There are none of you but either have something for "sale or exchange" or some "want," and we offer to all who send us \$1.00, subscription to **CANADIAN BEE JOURNAL AND POULTRY WEEKLY** for one year, a

Free Trial Advertisement

In the "Exchange and Mart" column of the "C. B. J. & P. W." Upon receipt of One Dollar we will credit you one year ahead on our subscription list, and will insert at any time during the next six months a **FIVE LINE** advertisement as above, for two consecutive weeks.

Cash must accompany the order.

If you do not need the advertisement at once we will, on receipt of your remittance, send you a coupon which will be good at any time during the continuance of this offer.

It applies to anybody and everybody who desires to take advantage of it, and who conforms to the conditions, viz.: pay one full year in advance.

Our regular price for such advertisements as this is 25c. per week, per insertion, and should you wish the advertisement longer than two weeks, it will be charged at the above rates, or five times for \$1.00.

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Felch's Poultry Culture.....	1 50
Johnson's Practical Poultry Keeper	50
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etc.....Boards...	60
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cloth.....	1 25
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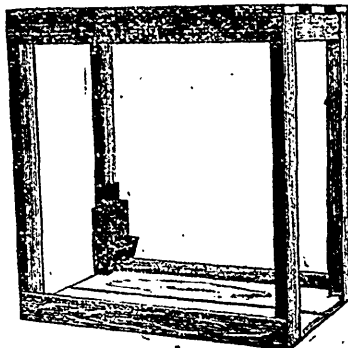
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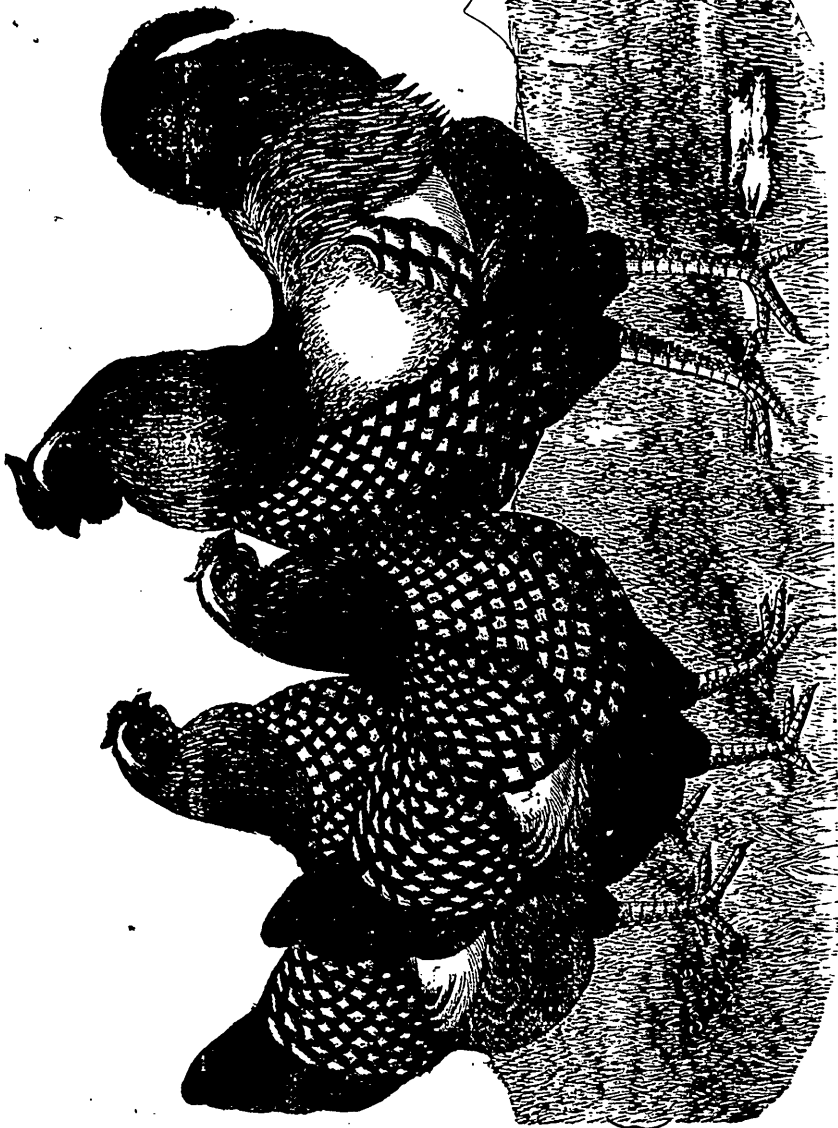
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Each, by mail free	\$ 50	\$ 60	\$ 75
Per 3.....	1 25	1 50	2 00
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