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THE CANADIAN BEE JOURNAL

AND POULTRY WEEKLY.

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

VOL. V. No. 26 BEETON, ONT., SEPT. 18, 1889. WHOLE No. 234

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—not to exceed five lines—and 5 cents each additional line each insertion. If you desire your advt. in this column, be particular to mention the fact, else they will be inserted in our regular advertising columns. This column is specially 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 a 1 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 naturedly, 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.

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AND "Gleanings," semi-monthly.....	\$1.75
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" "Bee-Keeper's Guide," monthly.....	1.40
" "The Bee-Hive".....	1.45
" "Beekeepers' Review".....	1.40
" "Beekeepers' Advance".....	1.50

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BEEES AND HONEY.

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

M. RICHARDSON & SON,
Port Colborne, Ont.

Game Fowls Exclusively

Irish Grey, English, Irish and American B Reds, English, Derby, Hoathwoods, Claitbournes, Dominiques, Malays, Mexican Greys and Gristles. Free circular send for it.

O. D. SMITH,
Port Plain, N. Y.

Bee-Keepers Guide

—OR—
MANUAL OF THE APIARY

This fiftieth thousand much enlarged and more fully 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 put our one of your Combined Machines last winter on 50 chaff bins with 7 net caps, 100 honey racks, 250 m. frames, 200 honey boxes and a great deal of other work. This winter we have double the number of bee-hives, 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, 541 Ruby St., Rockford, Ill.

JOHN BARNES, 541 Ruby St., Rockford, Ill.

SEND your address on a postal card for sample of Dadant's foundation and specimen pages of "The Hive and Honey-bee" revised by Dadant and second edition of '89. Dadant's foundation is kept in stock in Canada by E. L. Gould & Co., Brantford, Ontario.

CHAS. DADANT & SON
Hamilton Hancock Co. Illinois

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SUPPLIES

Quality and Workmanship unexcelled. We are prepared to furnish Bee-keepers with supplies promptly, and with goods of uniform excellence throughout. Our bees all take the Shupick's Frame. The "FALCON" chaff hive, and the "COAT-OF-ARMS" hive, with DEAD AIR SPACES are both giving universal satisfaction. We manufacture a full line of Bee-keepers' Supplies, including

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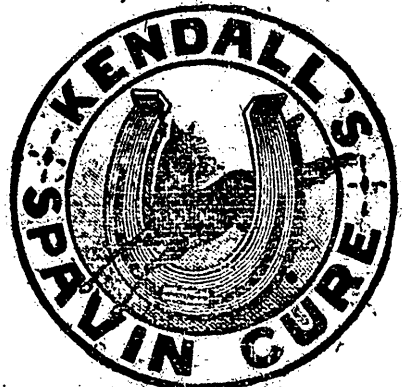
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Jamestown, N. Y., SUCCESSORS TO
W. T. Falconer.

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 freight at least, which due to transit will be replaced if returned in a letter.

OLIVIO BIANCONI, I. Bologna, Italy.



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

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DR. R. J. KENDALL CO., Enosburgh Falls, Vt.

Gentlemen—I have used Kendall's Spavin Cure for Spavins and also in a case of lameness and Stiff Joints and found its sure cure in every respect. I cordially recommend it to all horsemen.

Very respectfully yours,



CHARLES J. BLACKALL.

KENDALL'S SPAVIN CURE.

ST. THOMAS, P. O., April 22, 1893.

DR. R. J. KENDALL CO., Enosburgh Falls, Vt.

Gentlemen—I have used a few bottles of your Kendall's Spavin Cure on my colt, which was suffering from inflammation in a very bad form, and can say that your Kendall's Spavin Cure made complete and rapid cure. I can recommend it as the best and most effective liniment I have ever handled. Kindly send me one of your valuable books entitled "A Treatise on the Horse."

Yours respectfully,

L. E. WILKINSON.

KENDALL'S SPAVIN CURE.

FORT ELLICE, MAN., May 10, 1893.

DR. R. J. KENDALL CO., Enosburgh Falls, Vt.

Gentlemen—I always keep your Kendall's Spavin Cure and Blister on hand, and they have never failed in what you state they will do. I have cured a bad case of Spavin and also two cases of Ringbone of years standing, on mares which I bought to breed from, and have not seen any signs of disease in their offspring. Yours truly,



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. R. J. KENDALL CO., Enosburgh Falls, Vt.

SOLD BY ALL DRUGGISTS.

STILL TO THE FRONT

WITH PURE

ITALIAN QUEENS !!

Tested or Untested, Nuclei or full Colonies at very low price. Address

E. HEAL, St. Thomas, Ont.

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Send 5 cents for Specimens of our Honey Labels.

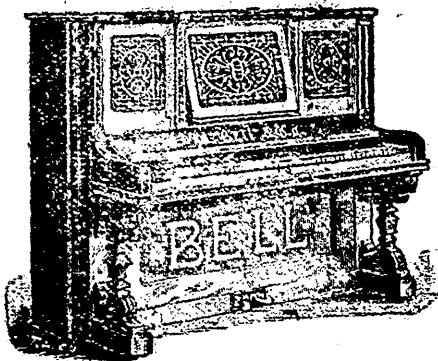
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BOSTON

CARNIOLAN BEES

Pleasant at Bees of the World, hardiest to winter, best honey gatherers. In order to introduce not only the bees but our paper THE ADVANCE, we offer to any one who will send us \$1.50 a copy of our paper and a nice Carniolan queen. The queen alone is worth \$2. Address THE ADVANCE, Mechanic Falls, Me

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

W. BELL & CO.,
GUELPH, Ont

THE BEE-KEEPERS' **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.

1889 19th YEAR IN QUEEN REARING 1889

ITALIAN QUEEN BEES.

Tested queen in April, May and June.....\$1.00

after July 1st 1.25

Untested Queens 0.90

Sent by mail and safe arrival guaranteed; also nuclei and full colonies. Eggs of Pekin ducks and White and Brown Leghorn chicks, \$1.50 per setting of thirteen.

W. P. HENDERSON,

Murfreesboro' Tennessee.

Muth's Honey Extractor.

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

CHAS. F. MUTH & SON.

Cor. Freeman & Central Avenues, Cincinnati

FRIENDS, IF YOU ARE IN ANY WAY INTERESTED IN

BEEES AND HONEY.

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

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\$15 will buy the **ODELL TYPE WRITER.** Warranted to do as good work as any \$100 machine.

It combines **SIMPLICITY** with **DURABILITY**—**SPEED**, **EASE OF OPERATION**—wears longer without cost of repairs than any other machine, has no ink ribbon to bother the operator. It is neat, substantial, nickel plated—perfect, and adapted to all kinds of type writing. Like a printing press, it produces, Sharp, Clean Manuscripts. Two to ten copies can be made at one writing. Editors, lawyers, ministers, bankers, merchants, manufacturers, business men, ect., cannot make a better investment for \$15. Any intelligent person in a week can become a good operator, or a rapid one in two months.

\$1,000 offered any operator who can do better work with a Type Writer than that produced by the **ODELL**. Reliable Agents and Salesmen Wanted. Special inducements to Dealers. For Pamphlet, giving endorsements, &c., address the

The Odell Type Writer Co.

THE ROCKERY, CHICAGO, ILLS.

ANNUAL EXHIBITION
OF
Dunnville Poultry and Pet Stock Association
AT
DUNNVILLE
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DEC. 3, 4, 5th, '89

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Enlarged Prize List.
New Attractions

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**THE GREAT NORTHERN
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WILL BE HELD AT

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Sept. 25th, 26th and 27th, 1890.

Better than ever this year. A long list of special attractions.

Prize lists on application to the Secretary.

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The Improved Monitor Incubator

FIRST PRIZE

AT THE GREAT N. E. AGRICULTURAL
FAIR, WINCHESTER, MASS.

Send for circulars which contain valuable information.

A. F. WILLIAMS,

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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 stored 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 simple complete, unpacked. Quantities in stock at rock bottom prices. The speediest foundation fastener which does the best work for only 50c. A full line of supplies made and kept in stock. Send for price list.

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

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

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

W. S. VANDEUSEN, Waterbury, Ct.

Beauty

Is desired and admired by all. Among the things which may best be done to



enhance personal beauty is the daily use of Ayer's Hair Vigor. No matter what the color of the hair, this preparation gives it a lustre and pliancy that adds greatly to its charm. Should the hair be thin, harsh, dry, or turning gray, Ayer's Hair Vigor will restore the color, bring out a new growth, and

render the old soft and shiny. For keeping the scalp clean, cool, and healthy, there is no better preparation in the market.

"I am free to confess that a trial of Ayer's Hair Vigor has convinced me that it is a genuine article. Its use has not only caused the hair of my wife and daughter to be

Abundant and Glossy,

but it has given my rather stunted mustache a respectable length and appearance." — R. Britton, Oakland, Ohio.

"My hair was coming out (without any assistance from my wife, either). I tried Ayer's Hair Vigor, using only one bottle, and I now have as fine a head of hair as any one could wish for." — R. T. Schmitou, Dickson, Tenn.

"I have used Ayer's Hair Vigor in my family for a number of years, and regard it as the best hair preparation I know of. It keeps the scalp clean, the hair soft and lively, and preserves the original color. My wife has used it for a long time with most satisfactory results." — Benjamin M. Johnson, M. D., Thomas Hill, Mo.

"My hair was becoming harsh and dry, but after using half a bottle of Ayer's Hair Vigor it grew black and glossy. I cannot express the joy and gratitude I feel." — Mabel C. Hardy, Delavan, Ill.

Ayer's Hair Vigor,

PREPARED BY

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

Sold by Druggists and Perfumers.



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

VOL. V, No. 26

BEETON, ONT., SEPT. 18, 1889.

WHOLE No. 234

The Coming International

WHILE at Buffalo, we lost no opportunity of inviting our American friends to be with us, at the coming International convention, to be held at Brantford in December, and we were encouraged by many promises to be present. We hope that our Canadian bee-keepers will not forget to be present and give our visitors such a welcome as they deserve. By the way, would it not be mere justice to place the holding of the next convention at Buffalo; the bee-keepers there would like it, and it will give Canadians a good chance of again being present. Besides the Eastern States are deserving of it in their turn. Think of it, and come prepared to do the matter justice, in the best interest of the association.

Bees at Buffalo.

A GOOD BEGINNING IN THE WAY OF AN EXHIBIT.

THIS is the first year that the management of the International Fair Association have offered premiums for Honey and Apiarian supplies, and they make a good start, offering solid cash prizes in nearly all the departments. The whole matter was placed in the hands of Mr. O. L. Hershiser, of Buffalo, and this gentleman has won for himself golden encomiums from all with whom he came in contact for the push and enterprise, as well as courtesy, which has

characterized all his efforts in the getting up of this display.

Last year the only thing in the way of a honey or bee exhibit, was a hive of bees upon which was a superior box of honey, and these were brought by two Indians Seneca, and placed in the Indian exhibit as one of the curiosities in that department.

This present exhibit of honey excels the show at the Toronto Industrial of last year, especially in compass, and it will compare very favourably in the matter of taste exhibited in display.

The list of awards will show the number of entries, and to whom the prizes were given, but we shall in a more detailed way mention the more principal exhibits:

We shall first take the supply trade; in which we found but one exhibitor except in the matter of hives and foundation. The W. T. Falconer Manufacturing Co., of Jamestown, showed in supplies: a machine for fastening starters of foundation in sections; three different smokers viz: Bingham, Muth and Clark; a Hill's device for placing over the frames for wintering to allow free passage over the tops of the frames; honey-knives of two or three patterns; a Carlin foundation cutter; three feeders, two for use above the frames, and one for the entrance, this last being rather ingenious; sections, which were of beautiful workmanship; and three hives two of which were double-walled and one the ordinary summer hive—all of them take the Langstroth frame. We must con-

less that for workmanship our friends Falconer have excelled themselves, and we are glad to believe that the goods sent out are of the same quality as the samples exhibited. There is altogether too much work on these hives to bring them sufficiently low in price to meet the views of us Canadian beekeepers at least. The frames were fitted with tin corners and with reversing shoulders, after the pattern exactly of those exhibited at Toronto some four years ago, and condemned as being too "tinkering" for the average beekeeper.

"Teftis Ideal Bee Hive" is the euphonious title accorded the only hive opposed to that shown by Mr. Falconer, and it is well that there is some redeeming feature about it—even though it be only in name.

We do not understand where the points come in which make it practical and "scientific" as the accompanying circular designates it. It is not necessary to go into details further, as we feel quite satisfied that no beekeeper will be foolish enough to invest in more than one of them, till he has thoroughly tried it.

Hila D. Davis, of Bradford, Vt., shows a very neat and tasty method of putting up comb honey for the market, though the expense thereof will always stand in the way of its general introduction. It consists of the ordinary four-piece section with slots at top and bottom only; two pieces of wood cut exactly the length of the section up and down, as wide as the inside of the section between the shoulders, and the exact thickness of the slots—fit into place covering the honey entirely. On the back one is printed in circular form the name and address of the producer. The cover used in front has a circular hole cut in the centre, and on the side next the honey it is covered with mica, and glued on. When these are placed on their respective sides, a label the proper length and wide enough to project over the ends a quarter of an inch is glued on to the top end and turned down over the sides thus hinging the two covers nicely, and so that they may be lifted without any trouble.

W. Z. Hutchinson, Flint, Mich., sent four colonies of bees, representing Italian, Carniolan, Cyprian and Holy Land, on which he took the premiums. Mr.

Hutchinson had also on exhibit a beautiful lot of honey in the Muth square bottles in 1 lb and $\frac{1}{2}$ lb,—the honey was a lovely color—thick and bright.

J. H. Knickerbocker, Pine Plains, N. Y.—showed a variety of queens of different strains, some of which were beautifully marked. The cages however were too much crowded with workers to allow of good observation of the regal inmates.

E. D. Keeney, Arcade, N. Y., had a nice exhibit of about 3000 lbs, put up in glass and tin. This was a part only of the product of 300 colonies, which gathered about five tons, the principal sources being white clover, basswood and golden rod. In an observatory hive, Mr. K. has a colony of Italian Hybrids, which he has bred especially for himself, using for his starting point imported stock. To the drones, with which the queens are allowed to mate, he pays perhaps the most attention, and those on exhibition were without exception amongst the finest we ever saw, great big gold-backed fellows, seemingly more full of energy than the average drone. He reports a sale of nearly 400 queens the last season. A price list of these was at hand for distribution to prospective customers.

Mr. Chas. Faville had on exhibit a goodly quantity of honey, nicely put up and labelled, and occupying a space of about 25 feet of the staging. 103 colonies is the number of colonies with which Mr. F. began the season, and he has now 135 all in excellent shape, from which has been taken between 7000 and 8000 pounds. About one half of this is light, the balance from golden rod and buckwheat. At the corner of this exhibit was a Stanley Automatic extractor and this excited much interest amongst the visitors. What was it, and how did it work? These were the questions asked after all manner of things were suggested by themselves from a new kind of churn to a washing machine, and all these even after reading the name of the thing stencilled on the machine, and also a large card telling what it was and what it would do, which Mr. Faville was thoughtful enough to hang on its side. Truly the general public are still ignorant as to the pursuit which we follow. We were pleased to make the acquaintance of Mrs. Faville and much enjoyed

our half-hour chat with her.

Mr. S. S. Sleeper, of Holland N. Y., was well to the front, with his exhibit, having more variety than any of the other exhibitors, especially in the way of curiosities, in bee-keeping. Amongst these he showed a house built of wax and foundation; a wasps' nest, with the wasps at work, under cover of glass, of course; a bumblebee's nest in an old boot which had formerly been occupied as a mouse's nest, and out of which the mice had been driven by the humbles, of which there were quite a lot hard at work, for visitors to see; a section of a bee-tree in which wild bees were hard at work, also called for a good deal of attention on the part of visitors.

In honey besides his regular stock Mr. S. shows a jar of granulated, 5 yrs. old, and one jar each of the following distinctive flavors; Maple, Dandelion, Clover, Raspberry, Linden, and Golden Rod. He also had samples of wax, taken from the cappings cut off during the different flows, viz., Linden Clover and Dandelion. The only difference in their present state was in the color, the wax from the clover cappings being the whitest. We do not know whether this difference of color is to be attributed to the variety of the honey, or whether it was not simply from the fact that the clover cappings may have been taken from virgin comb, while the other was not, and we did not think to put this question to Mr. S. Perhaps he will be good enough to tell us in the JOURNAL.

Mr. O. L. Hershiser, the Superintendent also had a nice display of honey and products into which honey enters as a constituent, chief among them being honey jumbles which he sold in very large quantities. He also showed a frame of bees on a tiering pedestal which drew a crowd all the time, and helped much to attract the attention of the crowd to the whole exhibit.

We were surprised to observe the meagre interest taken in the exhibit by the many supply dealers, and our American friends may as well learn now as later, that it cannot be expected that a single sample of each thing manufactured by them, and sent to the show, to be exhibited by the Superintendent is going to be much of an advertisement for them. They need to send them in

such quantities as will make a lasting impression on visitors, as to the extent and importance of the business.

We subjoin the awards made in this department by Dr. A. B. Mason who filled the position with credit to himself and to the very general satisfaction of the exhibitors. The number of entries in each case is given, so that it may be seen that the judging was no easy job, and the winner had no "walk-over" in the majority of classes.

Largest display comb honey, 8 entries.—H. P. Hopkins, M. J. Bundy, Angola N. Y.; L. C. Mason, Wagon Works, O.

Largest display extracted, 3 entries.—L. C. Mason, H. P. Hopkins, M. J. Bundy.

25 lbs comb for retail, 6 entries.—M. J. Bundy, S. S. Sleeper, Holland, E. O. Keeney, Arcade, N. Y.

25 lbs extracted for retail, 8 entries.—W. Z. Hutchinson, Flint, Mich., C. Faville, E. O. Keeney.

Comb honey, by lady, five entries.—Lydia Berry, Angola, N. Y.; Eliza Salisbury, Big Tree Corner.

Extracted, by lady, four entries. C. Faville, Lydia Berry.

Collection of different honeys, three entries.—L. C. Mason, H. P. Hopkins.

Beeswax, 2 entries.—W. F. Falconer, H. C. Mason.

10 lbs Beeswax, produced by exhibitor, 3 entries.—S. S. Sleeper, G. H. Knickerbocker, Pine Plains.

Honey vinegar, 4 entries.—N. C. Mason, Toledo, O.; E. Keys, Buffalo.

Honey candies, 2 entries.—L. Berry; E. Salisbury.

Pastry made with honey, 3 entries.—E. Salisbury; H. Berry.

Fruit preserved in honey, 3 entries.—E. Salisbury; H. Berry.

Italians, 4 entries.—E. O. Keeney, M. J. Bundy.

Syrians, Cyprians and Carnolians, 1 entry each.—W. Z. Hutchinson.

Collection of queens, 4 entries.—E. O. Keeney; H. P. Hopkins.

Collection honey plants, 3 entries.—N. C. Mason, H. C. Mason.

Brood fdn. 4 entries.—W. T. Falconer, C. Dadant.

Fdn. for brood surplus, 4 entries.—W. Z. Hutchinson, C. Dadant.

Supplies, 1 entry.—Silver medal to W. T. Falconer Co.

Hive for comb honey 2 entries.—W. T. Falconer Co.

Hive for extracted honey 2 entries.—W. T. Falconer Co.

Hive for all purposes 3 entries.—W. T. Falconer Co.

Diplomas recommended to H. D. Davis and Miss Penton.

The Exhibit at Toronto.

AT TENDING other fairs we have not yet visited the Industrial, but the extracts below taken from the city dailies show that the apiarian exhibit is considerably in advance of last year. This week we shall see for ourselves and may give any points which come under our observation in next issue.

"No artificial honey in these collections at all events," is the general verdict of all who visit the Apiary Department, which is rapidly getting into the ship-shape order. There appears to be something mysterious about this so-called artificial product, no meaner an authority than Prof. Morris, of the Philadelphia Science Academy, assuring us in the "Encyclopædia Britannica" that it is not only a fact, but that it "rivals the best clover honey and can be sold profitably at half the price," the basis of manufacture being glucose. The comb, too, this authority avers, is artificially made from paraffine. Opposed to the Professor are, we believe, all practical apiarists who, while admitting that glucose, or even melted sugar, dashed with honey, affords a fair counterfeit for amateurs, utterly repudiate the idea of artificial combs or comb honey. At the head of these stand Mr. Root, of Ohio, offering \$1,000 in gold for a sample of either of the latter, while another noted American apiarist, Mr. Gerrard, characterises Prof. Morris' statement as false. All the honey exhibitors at the Industrial take similar grounds.

The apiary display this year is exceptionally large and fine, amounting in all to several tons, arranged tastily in domes and pyramids, and covering the entire space dedicated to that speciality. R. H. Smith, Bracebridge, shows about half a ton of the different varieties and sets off his exhibit with a tasty background of honey-bearing plants, the centre being decorated with a section of a hive in active operation. Mr. McKnight, Owen Sound, makes the largest individual display—about two tons—with an additional assortment of wax and honey vinegar. Next follow Jacob Alpaugh, St. Thomas, with three thousand pounds; Mr. Davison, Unionville, five hundred pounds; W. Goodger, Wood-

stock, fifteen hundred pounds; and George Lang, Milton West, nearly one thousand pounds.

The general quality may be set down as extra good—the usual complement of a favourable season and large supply. Mr. Lang shows something of a popular novelty in the shape fruit canned with honey instead of sugar, which is said to be much relished. Mr. McKnight and he have likewise among their collections a number of most inviting cakes and other condiments sweetened with honey, the advantages claimed being both an improvement in flavor and the quality of retaining moisture to a greater degree than when baked with sugar in the ordinary way. "Sweeten your fruit or other cakes with honey," said an exhibitor; "and they will keep in a pliable, fresh, edible condition much longer than by any other process." The apiarists are this year, it may be mentioned, in a condition of great good humor, the shortage in the crop of small fruits creating quite a brisk demand for their products.

In rear of the honey display proper there is a large collection of apiarist's supplies in glass and tinware.

In a word, the apiary display in general and as a whole quite equals, if it does not surpass, that of any previous year, and is fully treble what it was at the Industrial of 1888. The judges are to be pitied when they come to decide between the different lots on their merit.—Globe.

THE WORK OF THE BEE.

Apiarian exhibits this year are the best that have ever been seen at Toronto or any other Canadian exhibition. Side by side with the dairy products they make a picture which might again induce the children of Israel to predestinate across the desert had they a Moses to lead them. The honey that might flow in Canaan is extracted, preserved in glass jars or tins, or is granulated and specimens of it are sent to the Toronto Exhibition for city people to admire and dream over it, sweet dreams of glorious country life. The few Bohemian drone bees whose wandering fancies led them to them to the Exhibition grounds for recreation have all congregated in the apiary, and there, like prodigals who have not inclination enough to lead them the weary homeward journey, they fly and buzz round the tempting sweets which they can never taste. It is good indication of the sweetness of extracted honey to have its perfume felt by bees at a distance. This is a curious and interesting lesson in natural history which may not be generally known.

There are seven principal exhibitors, and they have overcrowded the space allowed for the apiary. The largest exhibits are in extracted hon-

ey. The show of comb is excellent. They are said to be the finest that have ever come under the notice of the judges here. The granulated honey and beeswax make a complete show, which taken with the rest, speaks well for the past season and the experience of the Canadian bee keepers. The honey extracted is perfectly pure, the combs, as has already been stated, are finely formed, and the granulated honey is, in appearance and on closer examination, of the very best. The apiary is well worth a visit. The exhibits are beautifully arranged and in addition to the honey there are exhibited an interesting selection of upon which the bees operate. —Empire.

Plenty of Bees, Food and Packing; and Several Other Things Essential to Success in Wintering.

WE are aware how short the time is since the science of out-door wintering of bees in protected hives has been generally known. It is only about a dozen years since one of Michigan's oldest bee-keepers, Mr. J. H. Townley, first described the principle. I had used essentially the same method for two or three years previous, and Mr. Townley had still longer. Cellar wintering had engaged the attention of our best bee-keepers for many years previous. It is reasonable to suppose that the principles of successful chaff hive wintering have not yet had time to become so thoroughly understood as those of the other method.

A few essential requisites to success are already known, the following being the principal ones:

1. Colonies in good condition, and of at least medium strength. I have carried three-frame nuclei through all right, during severe winters in northern Iowa, but this is exceptional. Strong colonies have more advantages over weak ones in out-door wintering, than in the cellar.

2. Good food. My ideas on this point have already been published on page 139 of the Review for Sep., 1838.

3. Plenty of food. This is an indispensable requisite, and is where many have failed. Years ago, we used to often see the advice that "the lower half of the center combs ought to be empty to give the bees a chance to cluster." No attention should be paid to such nonsense. If every comb is solid honey, so much the better. Mr. Wm. Foos, of Iowa, several years ago advanced a theory that whenever bees became short of stores, though lacking quite a little of being out, they seemed to realize what their condition might be, and becoming uneasy were soon diseased; while if they had possessed

ample stores, of the same quality, no such condition would have resulted. Since then, I have watched the matter closely, and I am inclined to think his theory correct. I certainly do think that the giving of ample, or even more than enough stores to carry them through, is of more importance than quality of stores.

The apiary should be protected by ample wind breaks. This point has rarely been given the importance it deserves. I consider it an absolutely essential requisite north of the 41st degree, or about that of Ft. Wayne, Indiana; and very desirable much south of that. Small apiaries can be sufficiently protected by a high board fences, but large ones need something more effective. A thick, very thick, grove of bushes or trees should surround all sides unless it be the south, and it would be much better to have it on that side too. My experience and observation in a prairie state taught me the absolute necessity of this condition; and any one who cannot command it, would better give up all idea of out-door wintering, unless the hives are likely to be covered with snow during severe winters. The failures of many have been due, probably, to this unsuspected cause.

5. Proper kind of packing material is important. It must be such as will best afford protection from cold and freedom from dampness. Any material that is fine and light is better than the same would be if coarser; hence, all fine kinds of chaff are better than the coarser kinds; and any kind of chaff is better than hay or straw. In fact, the latter are utter failures unless used in very large quantities. Sawdust from fine saws is preferable to that from large lumber mill saws; in fact, I should hesitate to use the latter. Some kinds of material retain, in a much greater degree than others, the moisture thrown off by the bees; become damp and mouldy, and in time rotten. In the latter case sinking down and exposing part of the hive to cold. Such materials ought never be used. I find timothy seed chaff gives the best satisfaction of anything I have tried; it being the finest, driest chaff I know of, with the least affinity for moisture. Next to that in value is sawdust made by fine saws from dry, white, pine boards. Wheat chaff and forest leaves come next, but they are far less valuable than the first mentioned, probably on account of being so much coarser. Oat chaff is unfit to use on account of its retaining dampness; and buckwheat chaff is the poorest for the same reason.

6. Enough packing must be used to insure good protection. This, of course, depends somewhat upon the kind of material used, and

the latitude where used. Enough must be used so that the bees can keep the interior warm, else moisture and frost will accumulate, to be followed, in many instances, by the old, old, sickening story, so well known by northern beekeepers. But for the fact that any increase in the amount of material increases the size and bulk of the hive itself, I should say it was practically impossible to use too much. In my hives in Iowa I used four and a half inches of fine timothy chaff or fine sawdust, but am satisfied that six inches would have been better—enough better to have paid for increasing the size of the hive. For coarser kinds of chaff, an increased amount would be necessary. This is also a point, or condition, the non-observance of which has cost many failures. I know one style of hive, sent out by a prominent manufacturer, that has only two inches of space for chaff. Whoever uses such a hive invites failure.

7. Bees ought to be closed down on as few frames as possible, leaving only room enough for ample stores. The less space there is enclosed by the outer packing, and the nearer the bees fill this space, the less will the cold be able to penetrate it. I used to cut my strong colonies down to the equivalent of eight L. combs each, and from that down to five, according to their strength. This is a more important point than in cellar wintering, because all the air in the cellar can be and must be kept much warmer than the air surrounding hives out of doors.

There are other conditions not so absolutely necessary as the foregoing, but which are of help. I prefer a hive large enough, or at least tall enough, to allow empty space between the packing and the cover. The bees seem to winter better than when the cover rests upon the packing. I consider winter passages through the combs a requisite to success in out-door wintering.

How far dampness causes disease, has been a much discussed question. A few years ago, in an article on this subject, I said: "Show me a practical method of preventing dampness in hives, and I will have no more fears of unsuccessful wintering." The statement is true, but instead of dampness being the prime cause, as I then thought, it is only the effect of other causes. The value of any kind of packing is not so much in its power to absorb moisture as in its power of keeping out cold, then the bees can keep the interior of the hive too warm for the moisture to condense in it, or even in the packing itself to any great extent. This is the real underlying principle of all successful wintering, either in

doors or out, to keep the condition such that the natural heat of the bees will expel all moisture from the hive, and as much as possible from everything around it; and to the greater extent this is accomplished, the more perfect will be the success. If a certain amount of material will accomplish this in southern Indiana, a much larger amount would be necessary in northern Michigan. The proper amount of material to be used varies with the kind used and the locality where used; but too little has been used in a hundred instances where too much has been used in one, I doubt if the latter mistake has ever been made.

To be Continued.

A Home Market.

THE bee papers, and many bee keepers, have advertised for years to sell our honey in the home market. This is a question, however, that has two sides to it. We find our home market fairly glutted with honey from the small producers, at a very low figure. Of course much of it is not in very good shape, but all the same we are expected to compete in prices with it. This we prefer not to do, as we put our goods up in the neatest possible manner, and we can as well send it to some market where the crop is short, and realize considerably more for it. Now what is the use in trying to retain a "home market" for our honey when we can do better by sending it to some reliable commission house. If our goods are a right they are usually soon disposed of, and we have found commission men as prompt in making returns as other dealers. Then, too, many of our home dealers expect us to wait on them for the pay till the honey is sold, and we have known such in the meantime to fail and not pay at all. Again some dealers will expect to pay only in trade, at their own prices, which is not always very satisfactory. Then, again, some are inclined to kick when we come to settle, because some other "honey man" has been around selling for less, or the party has heard of us selling some inferior grade for less. Now when we send to some good house in a city where honey is wanted we avoid all this; get our money in a bunch, and perhaps find that we have realized considerably more than if we had forced it on glutted home market. Another nuisance is peddling honey from the house. Many beekeepers put up signs at their front gates "Honey for Sale" to attract any chance passers. We used to do this, but stopped it some years ago. We found that all kinds of people would stop, inspect the honey, waste an hour or so of our valuable time and

perhaps go off saying that they could buy honey for the same, or less, in some store. Then people would come Sundays and at all unreasonable times, and the amount of such sales were usually very small. Of course it is all right to supply neighbors with what they want, and to sell to them at very reasonable rates, but to advertise and sell cheap, to anyone, thus competing with and underselling storekeepers, whom we may have supplied, usually does not pan out very well.—C. H. DIBBERN in Western Flow-man.

QUERIES AND REPLIES.

To get even with the Liars.

QUERY No. 249.—Can you suggest a scheme for successfully combatting the reportorial genius who puts forth the "manufactured comb-honey" articles? (I suggest that the International, the Ontario and the State and county societies publish an offer of a reward for samples of the alleged product and for the writers name.)

G. A. DEADMAN, BRUSSELS, ONT.—I believe in your suggestion.

H. D. CUTTING, CLINTON, MICH.—Read page 516 of American Bee Journal.

DR. C. C. MILLER, MARENGO, ILL.—The only way to stop him is to kill him, but that would not be right. Besides, there are so many of him.

WM. McEVOR, WOODBURN, ONT.—Your suggestion is a good one and if a reward for the samples and the writers name were published in the newspapers that published such lies it would soon put an end to it.

A. B. MASON, AUBURNDALE, OHIO.—Certainly I can. The way you suggest has been anticipated by A. I. Root in his \$1000 reward. If you don't know what it is send or some of the cards.

PROF A. J. COOK, LANSING, MICH.—I think this a good scheme. Then all these associations might pass some good terse emphatic resolutions on the subject and make a special effort to get them into the papers. This would do much to enlighten the people.

J. K. DARLING, ALMONTE, ONT.—The question might be more easily answered if the word successfully been left out. I do not know as there is anything better than to nail them up to the wall in the manner indicated but I would include editors with the writers.

J. E. POND, NORTH ATTLEBORO, VT.—I can

not. "A lie will travel leagues while truth is putting on its boots." If they could be closely followed up with denials and the lies exposed in every instance, good would come from it, but then again comes the question, how shall we do it?

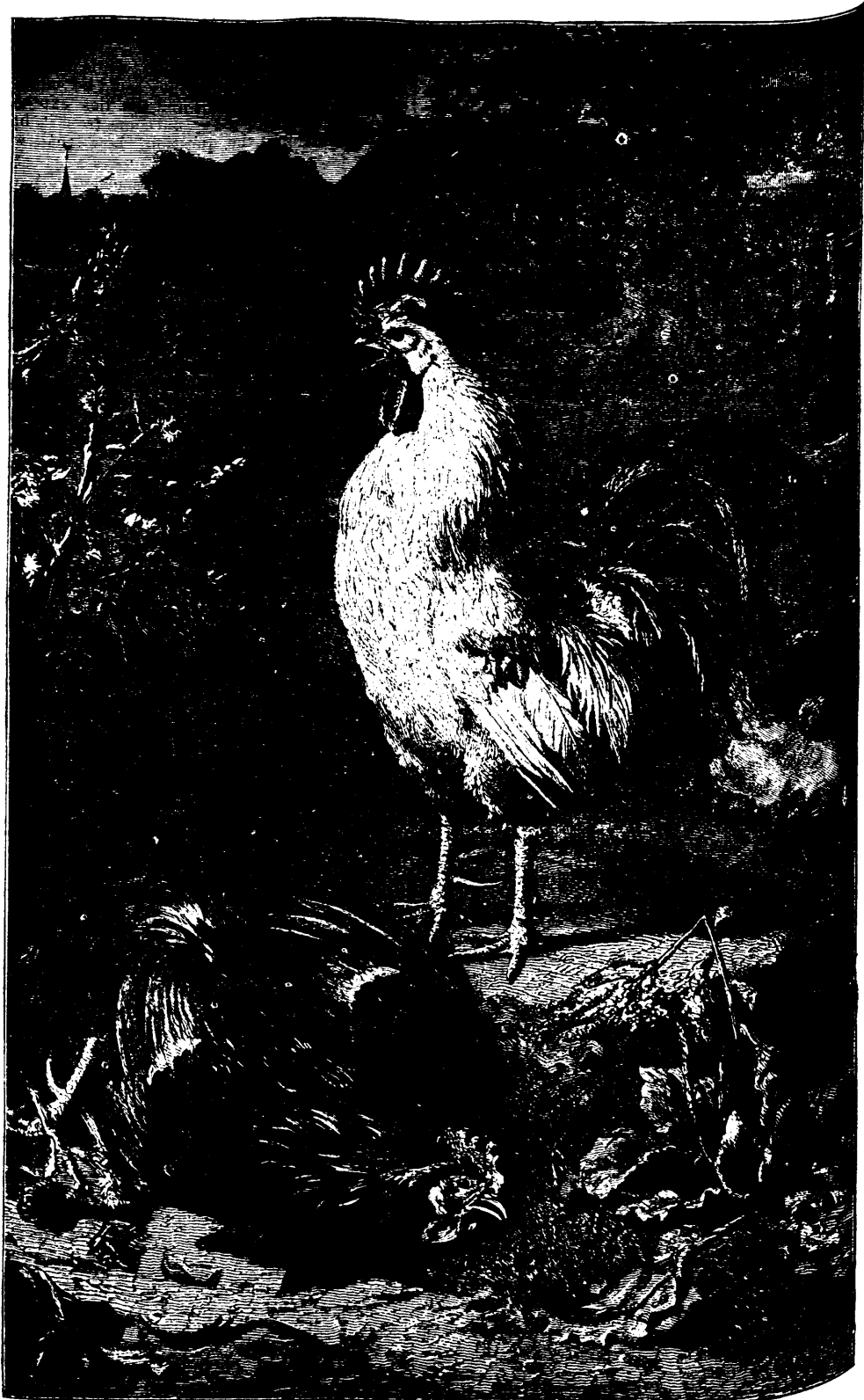
G. W. DEMAREE, CHRISTIANSBURG.—Perhaps the best way would be to pay no attention to the yarns told in the newspapers. In this age of fraud and adulteration the trade can't conceive of a pure article in the market. In fact, it is not to their interest financially, to tolerate a pure article of food on the market. Let beekeepers be more careful how they publish sugar feeding, and how they speak of the wax septum called comb foundation and sometimes called artificial comb. Let the scientific lie about digested nectar be throttled, and the ignorant reporters will find very little material to manufacture lies out of.

EUGENE SECOR, FOREST CITY, IOWA.—Your suggestion is as good as anything I can now think of. Are not these stories made to look plausible when beekeepers buy sugar by the barrel and sell honey by the ton? Ought we not to stop feeding so much sugar and so manage our bees that they will be self supporting. The reward has now been offered in a private way for years (that is by an individual) but it don't seem to have much effect.

J. F. DUNN, RIDGEWAY, ONT.—Send an article to the paper publishing the false statements denying same and if possible hunt up the author and make him give his authority for the statements, tell them of A. I. Root's offer of a \$1,000 and Mr. Hilton's of \$500 for a single section of the manufactured article with name and address of maker and show them how utterly impossible it would be to manufacture comb honey.

JAS. HEDDON, DOWAGIAC, MICH.—I have full faith that the truth will finally be well known and justice be done and our product by consumers of our crops. I doubt if there is any better way than to laugh at these falsehoods. But before we expect sensational writers to stop crying paraffine glucose etc hadn't we better quit charging each other with adulterating? You know beekeepers have so charged other beekeepers.

ALLEN PRINGLE, SELBY, ONT.—The very best way to combat these reportorial yarns is to go straight to the paper where the yarn appears with a correction or contradiction over your own signature. If your own signature is of little account or weight and you have comprehension enough to beware of this fact, go to the most prominent and respectable apiarist in the paper's constituency and induce him to correct or contradict over his signature. Should the offending paper or magazine be of general instead of local circulation then instead of writing the correction yourself or getting your neighbor to do it write to the president of the O. B. K. Association and the president of the International Association drawing their attention to the slander and asking them to send corrections to the offending paper as officers of their societies. There is I think already a standing offer of reward.



THE VICTOR AND THE VANQUISHED.

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.

The Poultry at Buffalo.

ONE of the main features of the great Buffalo Fair was the poultry exhibit well displayed in a fine building. We must put the first load of praise, and it is a big load, on the ample shoulders of the superintendent of this department; for in all our experience we never saw birds so cleanly kept. This is a fact breeders will duly appreciate, for it is no light task to see that every pen is properly cleaned and the birds fed and watered. In all that large exhibit every pen was as "clean as a new pin," even at the end of the second week they had been on exhibition. Mr. Stillman is a genial courteous gentleman and we wish there were more like him.

The classes were generally well filled, and the entire exhibit fine for the season. Light Brahmans, a pretty full class. C. H. Akerley, of Tonawanda, winning most of the premiums and 1st on breeding pen. 1st cock good all round; 1st hen extra fine, very good head in particular; 1st cockerel and pullet fine and well grown. Prizes well placed; a good class throughout.

DARK BRAHMAS.—C. A. Sweet, of Buffalo, was the principal exhibitor in this variety. 1st cock, nice clear hackle, though not through moult, looks to be good all round bird, fine shape and size. One extra good hen in 1st prize pen, rich color and nicely pencilled. All the class in moult.

BUFF COCHINS.—One grand pen wins

1st in this class; 1st, cock, rich buff color and large. 2nd, Lighter surface but good under color, very fine Cochin shape, deep and broad, not moulted out as well as first. Both fine birds, good throughout. Chicks, not many, but very good. 1st, cockerel, a little long in back; 1st, pullet, fine color, good in size and shape. Prizes put about as near right as could be done.

PARTRIDGE COCHINS.—Byron D. Sarr, Marcellas Falls, N. Y., shows one fine breeding pen, old birds, hens very rich in color, and good pencilling. 1st hen a beauty; 1st cock, not moulted out, but bids fair to be very rich in color, a very fine blocky bird. Chicks good for age; 1st cockerel, very nice color.

WHITE COCHINS.—All the class badly in moult. 1st cock, very fair bird; 1st hen good. Prizes well placed. The birds were in too poor feather to do themselves justice, but time will alter this.

LANGSHANS.—Very good all through, old birds. 1st cock good, and when in full feather must be a beauty; 2nd not much behind; one good bird left out. Hens a good average. Chicks fair for age and few entries.

BARRED PLYMOUTH ROCKS.—Burn Moffat, Tilsonburg Ont., show a fine cock in this class, well barred, with extra good legs. Just a trifle off on comb, an easy 1st. 2nd cock very fair. 1st hen fine size and shape, a little on the dark side, but evenly barred, a good breeder for sure, owned by Mr. J. L. Corcoran, Stratford, Ont. B. A. Fox, of Port Huron, Mich., shows a fine pen of evenly marked well bred chicks taking an easy 1st on pen, beautifully clear, and with good legs. 1st cockerel exceedingly good, barred to the skin; 2nd pullet more evenly barred but not as

large as 1st. 2nd cockerel poor one.

WHITE PLYMOUTH ROCKS.—A grand display far ahead of last year. 1st cock in 1st breeding pen, a fine large bird, 2nd following will up and good ones yet left. 1st and 2nd hens very fine and large, in fact size is a great deal on the increase this year. Lots of "big uns." Chicks, a grand lot, in fact a first rate exhibit.

SILVER LACED WYANDOTTES.—We were very disappointed in these, a small class of average merit. 1st cock, dingy and very heavy comb, good size; 2nd a trifle clearer on breast, but smaller. Hens nothing above average lots.

WHITE WYANDOTTES.—One of the best classes and well filled, plenty of good birds, 1st cock very fine; 2nd near up to him, all good ones left. Hens all good. 1st hen a beauty, also 2nd. Chicks a pretty lot of fine shaped birds. Prizes all well placed. They will stand the test.

Black WYANDOTTES.—A poor class as yet, and few birds. All the males show white in plumage and evidence of their origin; some hens very white in ear lobes. They are hardly up to the point of breeding yet to exhibit to advantage.

GOLDEN WYANDOTTES.—The best yet seen, good size. 1st cock good, rich markings. Hens not so good in gold color. Chicks (pullets) show an improvement on old birds. 1st pullet very nice, and 1st cockerel promising well.

BLACK JAVAS.—A good class. 1st cock good size, off on comb; 2nd better in comb, but badly out of condition, will make up well. Hens a better lot than cocks; chicks very good. 1st breeding pen, a handsome cockerel, all pullets good.

WHITE JAVAS.—One pen chicks only, but very fine. 1st cockerel a beauty and 2 pullets extra good.

MOTTLED JAVAS.—1st Breeding pen cock a little light in color, badly in moult; hens very good. 1st cock good color and shape. 1st cockerel and pullet well grown, a nice pair; 2nd pen young but promising well, fine shape.

BLACK SPANISH.—A small class. 1st pen very nice. 1st hen extra good; 2nd cock very nice face and comb, but a slim bird. A nice pen taking 2nd.

Chicks fair.

ANDALUSIAN.—But few entries, 1st cock nice bird also hen. 1st cockerel very good in shape and well forward, pullet small for show, all the rest large birds and well in color.

S. C. B. LEGHORNS.—1st pen a good one, hens all fine. 2nd a very handsome pen of young birds. Cockerel on the extra line, will make a mark when grown. 1st cock good in color but getting well into moult. 1st hen fine large shapely bird, with good head and comb. 1st pullet a little beauty; prizes well placed.

R. C. B. LEGHORNS. 1st B. pen very nice hens, good even, small combs. cock good color and shape but coarse in comb. 2nd cock fair. 1st cockerel good, the best comb in the male class; 2nd a good color but off on comb. 1st pullet a beauty.

S. C. W. LEGHORNS.—As usual a large class of these favorites. 1st breeding pen. A good one but getting into moult. 1st hen a very pretty shape; all well shown. 2nd pen chicks, fine ones 1st cockerel handsome and good stylish bird. 1st pullet a pretty bird, all winners good. The whole class well shown and good all through.

R. C. W. LEGHORNS.—1st and 2nd cocks fair. 1st and 2nd hens nice, good in comb. Both breeding pens (chicks, good and about equal, pullets promising well.

BLACK LEGHORNS.—What there are are poor.

BLACK MINORCAS.—1st cock a handsome stylish bird with excellent comb and lobes. 1st pen (chicks) a grand one and old Breeding pen all good, 2nd cock in poor condition. 1st and 2nd cockerel fine typical birds; winning pullets good, one of the best classes in the room.

White Minorcas.—1st cock a good one; 1st hen looks fair but in moult. A small class still as good as we see of this variety.

Polands, W. C. W.—1st B pen a good one, but not in good show condition; 1st cock an extra good one, and well shown. 2nd pen fair, 1st and 2nd hens about equal, a good class.

Golden Bearded.—1st B pen good all round, and well up in condition; two hens very fine; 1st cock good color. 2nd, very fair; first hen a beauty; 1st

cockerel a rich colored bird and nice in shape; 1st and 2nd pullets about equal, a good class of nice looking birds.

Golden Polish.—1st cock a handsome one, crest a little ragged, all there is against him; 1st hen very pretty; 1st cockerel and pullet good nice sprightly birds. A small class, but well up.

Silver Polands.—1st cock and hen good birds and well shown. One very nice cock did not get a place. A small exhibit.

Bearded S. Polands.—1st cock a beautiful specimen, with 1st hen well up to him and very evenly marked; 1st pen a grand one. A small but extra good class.

Buff laced.—Only one entry, but that an extra fine cock with splendid style.

W. C. B. Polands.—1st pen a fine lot; 1st cock very showy, nice crest; 1st and 2nd hens good; others fair but few shown.

Golden Pencilled Hamburgs.—1st B pen a very good one; 1st cock extra good, splendid comb and lobe; 1st and 2nd hens good, not much to choose between them; prizes on chicks well placed. A small class.

Golden Spangled.—Very few shown, and those of average merit.

Silver Spangled.—1st B pen a good one all through; 1st cock a nice bird all through with very pretty comb; 1st hen a very pretty one; chicks a nice looking lot well spangled with rich color. Few birds in the class but very good throughout.

Silver pencilled Hamburgs.—1st and 2nd cocks about equal merit, both have very pretty combs; 1st better in ear lobe; 1st and 2nd hens both neat and good. 1st B pen cock badly in moult, fine in comb and lobe; hens very pretty and with extra good heads. 2nd (chicks) all good, clear pencilling and combs fine; 1st cockerel a beauty; 2nd very fair; 1st and 2nd pullets very nicely pencilled pretty birds, and a few good ones left out of the prize list.

Black Hamburgs.—A very poor class, not anything of note.

Red Caps.—1st B pen (chicks) the very best we have ever seen. A nice even lot promising well; 1st cock in poor condition, typical comb and good lobes; 1st hen a very fine large bird, the best we can remember to have seen.

Houdans.—1st B pen a good one all round; 1st cock very large with fine color and style; 1st hen a worthy mate for him, a fine pair; 1st cockerel and pullet well up in size. 2nd pen (chicks) a nice one, with one rare pullet among the lot. A fine exhibit though not a large one.

Colored Dorkings.—A large and good class; 1st pen show too much silver grey; 1st cock a large handsome fellow in excellent condition, about the best comb we ever saw on a Dorking; 1st and 2nd hens about equal; chicks promise to be something extra; 2nd cockerel too much silver grey.

Silver Grey Dorkings one of the largest and best exhibits in the room. 1st pen an excellent one throughout. 1st cock a grand one. 1st and 2nd hens extra good; the whole pen in splendid shape for show. 2nd pen (chicks) all fine. Cockerel very nice color, pure silver; 1st and 2nd pullets good and of nearly equal merit. 1st cockerel a beauty, 2nd not far behind, only a trifle off on comb. The Dorkings came out strong and unusually good.

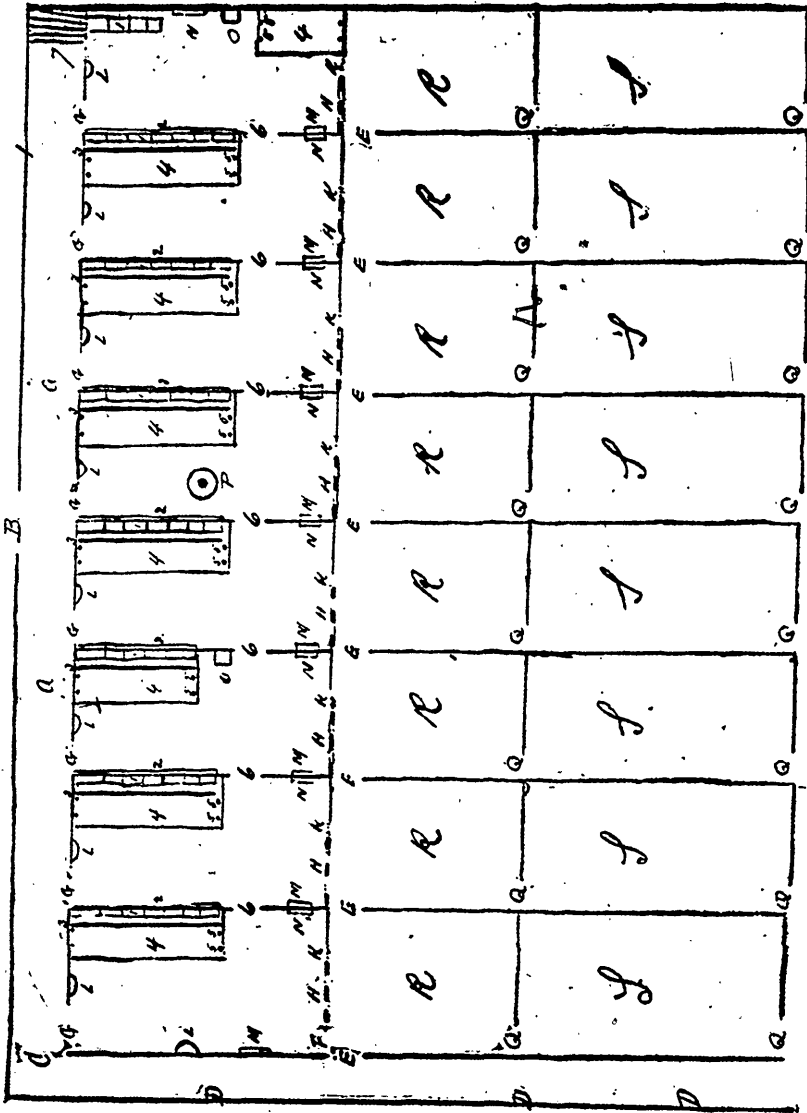
White Dorkings.—1st B. pen a good one. 1st cock a handsome bird, extra large, about the finest we have seen. Hens a very good lot, and will look better in a week or two.

Game Classes.—Not well filled. Duck wings a fair average. 1st B. bred Hen a good one. 1st Cockerel fine, large and handsome.

Indian Game.—This new variety is well represented by a strong class of good birds. These are bred for table use and eggs, they grow large and we are informed the males will weigh 9½ to 11½ lbs each when matured which we can readily believe by the sample birds on exhibition. They have a rich yellow skin and legs, broad breast, so broad as to seem to lift the front of the wing. They have pea combs. Cocks are black, hens pencilled brown and bottle green. A peculiarity of the race is a bare spot, devoid of feathers on the point of breast bone in males.

Geese.—These are a grand lot in all varieties, all the winners extra, and others well up in merit. One of the best exhibits we have seen; and birds all very large.

To be Continued.



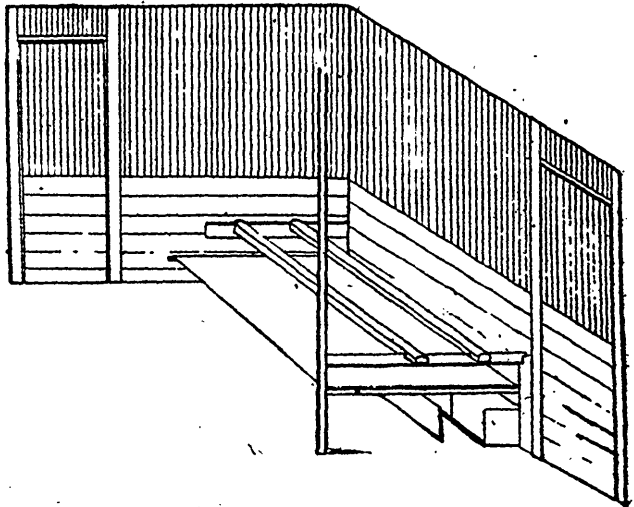
Plan of Poultry Yard.

- A. Passage at back of pens 3 ft 6 in. x 66 ft.
- B. Door opening on to back lot, used when cleaning out pens.
- C. Door leading into covered way connected with dwelling.
- D. Covered way to prevent going out into the weather when going to fowl house.
- E. Doors opening from one run to the other.
- F. Doors opening into first pen.
- G. Doors opening into back passage.
- H. Windows and shutters on the inside.
- I. Small doors for birds.
- J. Drinking fountain stand, 5 in. from floor.
- K. Feed-board.
- L. Box for oyster shell and gravel, 2 ft long back 5 1/2 in., 3 in. deep and 4 in. wide.
- O. Ventilators.
- P. Coal stove.
- Q. Doors leading into grass portion of runs.
- R. First portion of run.
- S. Grass portion of run.
 1. Nests under dropping boards.
 2. Portion of nest extending into next pen, say 4 to 5 inches from which you take egg out of nest.
3. Board running parallel with nests making dark passage way.
4. Dropping board under perches, 18 in. from floor.
5. Perches over dropping board, 12 in. above board.
6. Doors between pens.
7. Staircase leading to cockrel and surplus winter pens.

Description of Poultry-house.

THE house is in all about 80 feet long, by 20 wide, and 2 stories high. 66 feet of the lower portion is divided into 8 breeding pens, 8 by 17, with runs attached 66 feet long, two-thirds of which is in green pasture; these again open into orchard. At the back of the pens is a wide passage, admitting of a wheelbarrow which greatly facilitates the work of cleaning out. In about the centre is a large door opening into back lot, on which manure, straw etc. is put. Each pen is fitted with drinking vessel stand, box for gravel and

oyster shell and feed board. The perches are over the dropping boards, and the nests are underneath as shown in cuts. A large window is in each pen having shutters on the inside, which admit of about four or five inches of light at the top when closed. The whole house is lined with tarred felt paper. There are two ventilators at about equal distances. At the north west end is a room 14 by 20, from which is a covered way about 100 feet by 4 connecting with shed 24 by 12 which is to be converted into a brooder house this fall. This again opens into woodshed attached to dwelling house. Thus all is under cover and any portion of the premises can be reached from the one entrance. The upper



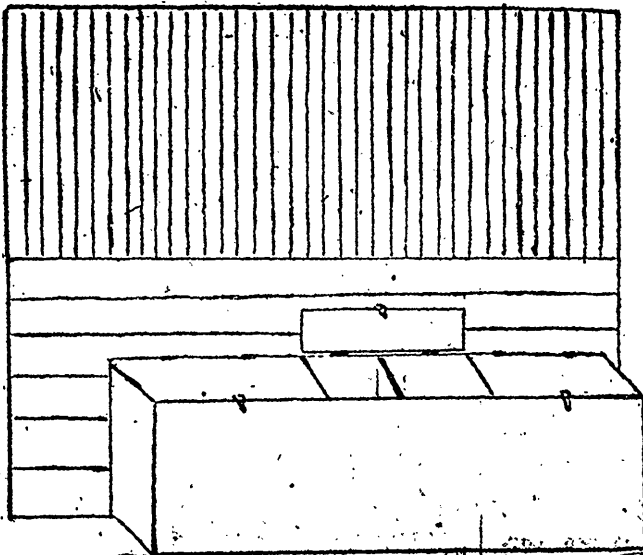
INTERIOR ARRANGEMENT OF PEN SHOWING DROPPING BOARDS AND NESTS.

portion is divided into winter pens for cockerels and extra stock, besides store room for sheaves hay, straw, and workshop. Over pens again in the upper part is store room for coops, lumber etc and over the passage way mentioned at back of pens are trap doors to throw down straw etc.

Plant your Sunflowers.

The best way to raise sunflowers is to plant them in the fall. They make splendid shade for the chicks, and if planted in fall will be up to a good height before the chicks need the shade, and will not be destroyed by them. They will bear and ripen so soon that the birds get them at moulting time, when they furnish good material to supply the waste that is going on. If planted in spring they will take weeks longer to ripen. Plant them late enough so that they will not commence to grow till spring, if they sprout out of the ground in fall they will die of course.

Send in on a postal the names of the poultry-men in your vicinity, show them a copy of the Weekly and get them to subscribe.



SHOWING MANNER OF COLLECTING EGGS IN ADJOINING PEN.

For the POULTRY WEEKLY.

Kempenfeldt Poultry Pigeon and Pet Stock Association.

A meeting of the above association was held on Thursday evening Sept. 5th. at the Decorative Parlors of Messrs Love & Morrison, 128 Dunlop Street, Barrie. At 7.30 p.m. Mrs. W. C. G. Peter took the chair with a fair attendance of members present.

The minutes of the previous meeting were read and confirmed after which several resolutions were made but there was not much business owing to the annual meeting being this month. Our annual meeting is on Thursday the 26th of September at Barrie, which all fanciers and others are invited to attend and co-operate with us. A further notice of this meeting will be given later.

Barrie Sept. 9th 1889 G. H. CARLEY.

COMING SHOWS.

Dunnville, Dec. 3, 4, and 5. R. H. Marshall Sec'y.

OHIO.

Central Ohio, at Mt. Gilead, Ohio, January 7th to 11, 1890. J. Y. Bickdell, 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.

NEW YORK.

International, Buffalo, N.Y., December 11th to 18th, 1889. H. M. Fales, Sec., La Salle, N.Y.

Winners at Buffalo.

Light Brahmas.—1st and 2nd on breeding pen, cock, hen, cockerel pullet, C. A. Akerley, Tonawanda.

Dark Brahmas.—1st and 2nd on breeding pen, cock, hen, pullet, 1st on cockerel C. A. Sweet, Buffalo. 2nd on cockerel, Burns & Moffatt, Tilsenburgh.

Buff Cochins.—1st on breeding pen, Dr. M. H. Daily Arkon, O. 2nd on pen, 1st on hen and cock, Eureka Poultry Co., Port Huron. 2nd on hen, 2nd on cock, Burns & Moffatt. 1st on cockerel, 1st and 2nd on pullet, C. A. Akerley.

Partridge Cochins.—1st on pen, 2nd on cock, 1st and 2nd on hen, 1st on cockerel, B. D. Sarr, Marcellus Falls, N.Y. 1st on cock, G. F. Davis, & Son, Dyer, Ind. 2nd on cockerel, 2nd on pullet, C. P. Dickenson, Mallet Creek, O. 1st on pullet Eureka Poultry Co.

White Cochins.—1st on pen, 2nd on cock, hen and cockerel, Embledge & Evans, Buffalo. 1st on cock, 1st on hen, Burns & Moffatt.

Langshans.—1st on breeding pen, 1st on cock and hen, Burns & Moffatt. 1st on cockerel and pullet, 2nd on pen, cock and hen, J. F. Knox, Buffalo.

American Dominiques.—1st on cock, 1st on hen, O. Howland, Auburn, N. Y.

Barred Plymouth Rocks.—1st on pen, cockerel and pullet, Eureka Poultry Co.; 1st on cock, 1st on hen, J. L. Corcoran, Stratford, Ont.;

2nd on cock; Burns & Moffatt; 2nd on hen, cockerel and pullet, W. A. Alexander, Scy-pouler, M.

White Plymouth Rocks.—1st in all classes and both prizes for pen J. Tiller De Graff, Amsterdam, N.Y.; 2nd on cock, G. S. Button, Chittenden; 2nd on hen, C. Hammerschmidt, Buffalo; 2nd on cockerel and pullet, D. F. Taylor, De Ruyter, N.Y.

Silver Wyandottes.—1st on pen, cock and hen, C. Hammerschmidt; 2nd on cock and hen R. E. Coe, Kirkville, N. Y.

Golden Wyandottes.—1st on pen Dr. M. H. Daily; all other prizes to W. G. Clarke, Wyandale, N. Y.

White Wyandottes.—1st and 2nd on pen, 1sts on cock and pullet, 1st and 2nd on hen, Knapp Bros., Fabius, N.Y.; 2nd on cock, cockerel and pullet, H. H. Wallace, Woodstock; 1st on cockerel, D. F. Taylor.

Black Wyandottes.—1st on hen and pullet, 2nd on pen, cock and cockerel, W. G. Clark.

Black Javas.—1st on pen and cockerel, 1st and 2nd on pullet, H. M. Twick, Elmwood Place, O.; 2nd on pen, 1st on cock and hen, 2nd on cockerel, C. Hammerschmidt; 2nd on cock and hen Jas. Seeley, Geneva N.Y.

White Javas.—1st on pen, cockerel and pullet, W. C. Tucker, Alden, N.Y.

Mottled Javas.—1st and 2nd on pen, 1st on hen, 2nd on cock, cockerel and pullet, Geo. A. Sweet; 1st on cock, cockerel, pullet, 2nd on hen, S. B. Halleck, Buffalo.

Black Spanish.—1st on pen, cock, cockerel and pullet, 2nd on hen, Burns & Moffatt; 2nd on pen and cock, 1st on hen, Hathaway Bros., Painesville, O.

Andalusian.—1st on cock, hen and cockerel, 2nd on pullet, C. A. Sharpe & Co., Lockport N. Y.; 2nd on hen, J. T. Bird, Wrights Corners, N. Y.

Brown Leghorns.—1st on pen, 2nd on hen, W. B. Clarke, Buffalo; 2nd on pen, 1st on cockerel, 1st and 2nd on pullet, Eureka Poultry Co.; 1st on cock, J. Behu, Buffalo; 2nd on cock, cockerel, 1st on hen, C. Hammerschmidt.

R. C. Brown Leghorns.—1st on pen and cock, G. S. Button; 1st on pullet, 2nd on pen, hen and cockerel, G. Hayn, Buffalo; 1st on hen and cockerel, 2nd on cock and pullet, H. H. Wallace, Woodstock;

White Leghorns.—All prizes to Knapp Bros. R. G. White Leghorns.—Clean sweep by B. R. Knapp, Cortland, N.Y.

Black Minorcas.—1st on pen, 1st and 2nd on cock, 1st on hen, 1st and 2nd on pullet, 2nd on cockerel, Willard Knapp, Fabius, N.Y.; 1st on cockerel, C. Hammerschmidt; 2nd on hen J. T. Bird.

White Minorcas.—1sts on cock, hen, cockerel, 1st and 2nd on pullet R. England, Albion, N. Y.

Golden Polish.—Four firsts to Burns & Moffatt. No pen shown.

Bearded Golden Polish.—1st on pen, 1st on hen, 2nds on cockerel and pullet, Burns & Moffatt; 1st on cock, W. A. Stork, Buffalo; 1st on cockerel and pullet, 2nd on hen, F. B. Newbould, Albion, N. Y.

Silver Polish.—1sts on cock and hen E. J. Rafael, Buffalo.

B. S. Polish.—1sts on pen, cock, pullet; 2nd

on hen. Burns & Moffat; 1st on hen, 2nd on pen, Jas. Seeley; 2nd on cock; P. & M. Wingerter, Erie, Pa.

White Polish.—1sts on pen, hen, cockerel and pullet, 2nd on cock, Messrs. Bryant, Johnson's Creek, N. Y.; 1st on cock, 2nd on hen, Burns & Moffat; 2nds on cockerel and pullet, W. A. Stork; 2nd on pen, F. Bins, Erie, Pa.

W. C. B. Polish.—1sts on pen and cock, 2nds on hen, cockerel and pullet, Burns & Moffat; 1sts on hen, cockerel and pullet, 2nd on pen, Messrs. Bryant; 2nd on cock, Messrs. Wingerter.

Buff Polish.—1st on cock, F. B. Newbould. G. S. Hamburgs.—2nd on cock, J. Seeley; 2nd on hen and pullet?

S. S. Hamburgs.—1st on cock, 2nd on hen, Eureka Poultry Co.; 2nd on pullet, Burns & Moffat; 1st on pullet F. A. Branch, Buffalo.

G. P. Hamburgs.—1st on pen and hen, 2nds on cockerel and pullet, F. B. Newbould; 2nds on cock and hen, O. Howland; 1sts on Cockerel and pullet, W. A. Stork.

S. P. Hamburgs.—1st and 2nd on pen; 1st on cockerel, 1st and 2nd on pullet, W. Milner, Malton, Ont; 1st on cock and hen, 2nd on cockerel Burns & Moffat; 2nds on cock and hen, O. Howland.

Black Hamburgs.—1st on hen and pullet, Burns & Moffat.

Red Caps.—All prizes to C. A. Sharpe & Co.

Houdans.—1st on pen, 1st and 2nd on cock and hen, 1sts on cockerel and pullet, G. S. Button; 2nds on pen, cockerel, and pullet E. H. & A. G. Warner.

Pit Games.—1st on cock and hen, C. Gillam, Mills Grove, Pa; 2nd on same, O. Howland.

B. B. R. Games.—1st on pen, cockerel and pullet; 2nds on cock and hen, J. H. Hope, Rhenclyffe, N. Y.; 1st on cock and hen, Burns & Moffat; 2nd on pen, O. Howland; 2nd on cockerel, 2nd on pullet, C. Gillam.

B. R. Games.—2nds on cock and hen, O. Howland.

S. D. Games.—2nd on pen, 1st and 2nd on hen, 1st on pullet, C. Gillam; 1st on cock and cockerel, 2nd on pullet, Burns & Moffat; 2nd on cock, O. Howland.

G. D. Games.—2nd on cock, C. Gillam; 2nd on hen, 1st on pullet, J. Seeley.

Red Pile Games.—1st on pen and pullet, 2nds on cock and hen, Burns & Moffat; 2nd on pen, 1st on hen, C. Gillam; 1st on cock, O. Howland.

Black Games.—1st on pullet, 2nd on hen, C. Gillam.

Black Sumatras.—Clean sweep by J. H. Northup, Cherry Creek, N. Y.

B. B. R. Game Bants.—1st on cock and hen, J. Seeley; 2nds on same, O. Howland.

White Game Bants.—All prizes to M. Kleason, Rochester, N. Y.

S. D. G. Bants.—1st on hen, 1st on pen, C. A. Akerley; 1st on cock, 2nd on hen, O. Howland; 2nd on cock, cockerel and pullet, M. Kleason.

G. D. G. Bants.—1st on cock & cockerel, M. Kleason; 2nd on cock, 1st on hen, O. Howland.

Black Game Bants.—M. Kleason, 1sts for cock and hen.

Golden Sebrights.—1st on cock, cockerel, hen,

pullet, M. Kleason; 2nd on cock and hen, J. T. Bird, Wright's Corners, N. Y.

Silver Sebrights.—1st on cock and hen. Burns & Moffat; 1sts on cockerel and pullet, M. Kleason.

R. C. Blacks.—1st and 2nd on pen, 1sts on cock, cockerel, pullet, J. T. DeGraff; 2nds on cock and hen, M. Kleason; 1st on hen, 2nd on cockerel, B. R. Knapp; 2nd on pullet, J. T. Bird.

R. C. Whites.—All to M. Kleason.

Booted Whites.—All to M. Kleason.

Japanese.—1st and 2nd on cock, 1st on hen and cockerel, 2nd on pullet, M. Kleason; 1st on pullet, 2nds on hen and cockerel, J. T. Bird.

Pekin.—1st on cock, J. F. Knox, Buffalo; 1st on pullet, 2nds on cock, hen and cockerel, J. T. Bird; 1st on hen, Burns & Moffat; 1st on cockerel, 2nd on pullet, M. Kleason.

W. C. W. Polish.—1sts on cock and hen, M. Kleason.

Colored Dorkings.—1st on pen, 1st on hen, 2nds on cock, cockerel and pullet, E. H. & A. G. Warner; 2nd on pen and hen, 1st on cock, cockerel and pullet, J. L. Corcoran.

S. G. Dorkings.—1st on cock, 1sts and 2nds on pen, hen, cockerel and pullet, J. L. Corcoran; 2nd on cock, Burns & Moffat.

White Dorkings.—1st on pen, cock, hen pullet, 2nd on cockerel, Burns and Moffat; 1st on cockerel, 2nd on hen, Messrs. Warner.

Bronze Turkeys.—(1888) J. Seeley 2nd, W. G. Clarke. 1889.—J. Seeley.

Wh its Turkeys.—W. G. Clarke; 2nd C. P. Dickerman, Mallet, Creek, O.

Rouen Ducks.—Old, O. Howland, G. S. Button.—Aylsburys, old, Burns & Moffat; W. G. Clarke; 1889, W. G. Clarke, Burns & Moffat.—White Muscovys, old, J. T. Bird. C. P. Dickerman; 1889.—C. P. Dickerman, J. T. Bird; Colored Muscovys, C. P. Dickerman; 2nd.

Pekins, old, H. H. Wallace, Burns & Moffat; 1889, Burns & Moffat, J. Seeley.—Crested white old and young to C. P. Dickerman.

Toulouse getse, old, J. Seeley, C. P. Dickerman; 1889, Dickerman.—White Chinese, O. Howland, J. Seeley.—Brown Chinese, O. Howland.—Canada, M. Kleason, C. P. Dickerman.

Pearl Guineas.—J. Seeley, M. Kleason; White Guineas, C. P. Dickerman, J. Seeley.—Pea fowl, W. G. Clarke. English Pheasants, Burns & Moffat.

SPECIAL PRIZES.

At this writing it is not possible to give the total list of prizes in the "specials" but suffice it to say that the large share of these fell to Canadians. Mr. Corcoran, of Stratford, took the special value \$10 offered by vice-president Morton for the largest and best display of all varieties, Burns & Moffat captured J. P. Beaty's special, value \$75. They took as well some twenty-two others of the special prizes aggregating above over a \$100 individual mention of which space will not permit. The Eureka poultry Co. also carried off a large number of the specials.

TO THE DEAF.—A person cured of Deafness and noise in the head of 23 years standing by a simple remedy, will send a description of it free to any person who applies to N. G. Johnson, 30 St. John St., Montreal.

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 the 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.: pays 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.

Do not delay in taking hold of this grand opportunity.

THE D. A. JONES CO. Ld., Beeton,

Poultry men 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.

TO READERS.—There is one way in which you can materially aid us, whether you are a subscriber or not, and that is in mentioning this WEEKLY when answering advertisements.

GOOD BOOKS

—FOR THE—

Farm, Garden AND Household.

THE FOLLOWING VALUABLE BOOKS WILL BE SUPPLIED FROM THE OFFICE OF THE CANADIAN BEE JOURNAL. ANY ONE OR MORE OF THESE BOOKS WILL BE SENT POST-PAID DIRECT TO ANY OF OUR READERS ON RECEIPT OF THE REGULAR PRICE, WHICH IS NAMED AGAINST EACH BOOK.

POULTRY AND BEES.

Burnham's New Poultry Book.....	1 50
Cooper's Game Fowls.....	5 00
Felch's Poultry Culture.....	1 50
Johnson's Practical Poultry Keeper	50
Poultry: Breeding, Rearing, Feeding,	
etc.....Boards...	50
Profits in Poultry and their Profitable	
Management.....	1 00
A Year Among the Bees, by Dr. C. C.	
Miller.....	75
A.B.C. in Bee Culture by A. I. Root.	
cloth.....	1 25
Quinby's New Bee-Keeping, by L. C.	
Root, Price in cloth.....	1 50
Bee-keepers' Handy Book, by Henry	
Alley, Price in cloth.....	1 50
Production of Comb Honey, by W. Z.	
Allen's (R.L.&L.F.) New Am. Farm Book	\$2 50
Beul's Grasses of North America.....	2 50
Brackett's Farm Talk, Paper, 50c. Cloth	75
Brill's Farm Gardening and Cash	
Growing.....	1 00
Barry's Fruit Garden. New and revised	2 00
Farm Appliances.....	1 00
Farm Conveniences.....	1 50
Farming for Profit.....	3 75
Hutchinson. Paper.....	25
The Hive and Honey Bee, by Rev. L.	
I. Langstroth. Price, in cloth...	2 00
A Bird's-Eye View of Bee-Keeping, by	
Rev. W.F. Clarke.....	25
Success in Bee Culture, paper cover...	50
Cook's Bee-keepers' Guide in cloth...	1 25
Foul Brood, its Management and Cure	
by D. A. Jones. price by mail.....	11
A. B. C. in Camp Culture, by A. I.	
Root, in paper.....	50
Queens, And How to Introduce Them	10
Bee-Houses And How to Build Them	15
Wintering, And Preparations Thereof	15
Bee-Keepers. Dictionary, containing	
the proper definition of the special	
terms used in Bee-Keeping.....	25
Standard of Excellence in Poultry....	1 00
Stoddard's An Egg Farm. Revised...	50
Wright's Practical Pigeon Keeper.....	1 50
Wright's Practical Poultry Keeper.....	2 00

ADVERTISEMENTS.

EXCHANGE AND MART

25 CENTS pays for a five line advertisement in this column. Five weeks for one dollar. Try it.

POULTRY

200 CHICKS for sale at a great reduction during the months of Aug., Sept. and Oct. Wyandottes chiefly, also Black and Brown Leghorns and a few of other varieties. Write for particulars and prices. **W. T. TAPSCOTT, Brampton.**

POULTRY Netting.—See our advt. in another col with prices. Also for shipping and exhibition Coops, with owner's name printed on the canvas **THE D. A. JONES CO. Ltd., Beeton.**

J. W. BARTLETT, Lambeth, Ont. breeder of high class White and Silver laced Wyandottes, will exchange a few pairs of young birds, of either variety, for extracted honey. Birds are superior layers and guaranteed satisfactory in every respect.

LEGHORNS, single comb brown and white cockerels for sale; one dollar apiece. They are from 1st prize, high-scoring brooding pens of Wixen's stock. None short of "perfect dandies" will be shipped you. **W. A. LANE, Wabash, Ont.**

MISCELLANEOUS

DEERHOUND, 2 years old, well trained. Bred in Muskoka two seasons. Will be sold at a reasonable figure. **R. A. Watson, Beeton.**

FOR SALE—Greyhound dog pup, 2 months old. From pedigreed stock. Price reasonable. **R. A. WATSON, Beeton.**

BIRDS, Parrots, Dogs, Ferrets, Cats, Monkeys, Rabbits, Bird Eyes, Goldfish, Song Restorer, Trap Cages, Diatomer and Mangle Cuts, Wilson's Big Bird Store, Cleveland, Ohio.

NICKLE Pencil Pen and Pencil Stamp—your name on this useful article for marking books, cards &c. 25c. club of five \$1.00; name on wood handle 15c; club of eight \$1.00. Ink powder for stamps, per package, 10c, 3 for 25c. No duty. **GEM STAMP CO. Malackoff, Ont.**

FOR SALE OR EXCHANGE—Thoroughbred English mastiff and St. Bernard dogs, pedigree; one Swiss watch; gold watch, gold diamond eper; One amethyst gold ring; anti-rust paint; tumbler, barn, archangel pigeons, pure bred. **H. M. CHILDER, WORTHINGTON, Ont.**

PATENTS!

Patents, Caveats, and Trade-marks procured, Rejected Applications, Revived and prosecuted. All business before the U. S. Patent Office promptly attended to for moderate fees and no charge made unless Patent is secured. Send for **"INVENTOR'S GUIDE,"** **FRANKLIN H. HOUGH, Washington, D. C.**

MALTON POULTRY YARD

NEVER BEEN BEATEN.

WILLIAM MILNER, Malton, Ont.

—Breeder of—

Silver Penciled and Spangled Hamburgs, Buff

Cochins, Brown China Geese, and 12 other kinds Poultry.

Prizes on Silver Pencilled Hamburgs: At Milton 1888, 1st on Cockerel; 1st and 2nd on Pullet. At Bowmanville, 1888, 2nd on Cockerel; 1st and 2nd on Pullet. At Buffalo International '89, 1st on Cockerel; 1st and 2nd on Pullet; 1st and 2nd on Breeding Pen.

Prices on application.

BEES

25 COLONIES of Italian Bees for sale Cheap. In fine shape for winter. **L. WADE, Angus, Ont.**

FOR SALE—46 colonies, nearly all Italians and all working appliances in best of order and strong. Also a Farm, 18 acres choicest blue k loam, suitable for fruit farm; good frame house, store and half; good outbuildings; 2 acres in choicest fruits, a grapery, 5 acres in grass, 11 acres being ploughed for fall wheat, good board fencing; 23 miles from market, just off the Stone Road, good locality for an apiary. Apply to **H. C. FITZGERALD, Box 256, St. Catharines.**

CARNIOLAN QUEENS FOR SALE—Untested \$1.00 each; 6 for \$5.00—Tested, \$1.50; Selected Teston \$2.50. Mated \$3.00 each. **L. LANGSTROTH, Seaforth, Ont.**

CARNIOLAN Queens mated with Italian drones, by return mail, two for one dollar. **ILA MICHENER, Low Banks, Ont.**

75 HYBRID QUEENS for sale. They are a fine lot. 30c each or \$3.00 a doz. Send in your order at once. **R. E. SMITH, Box 72, Tilbury Centre, Ont.**

WANTED—To sell or exchange Pelham & Root Foundation Mills for extracted or comb honey or offers. Mills are of latest pattern and everything complete, and I will give good bargains on them. **F. W. JONES, Bedford, P. Que.**

WANTED—To exchange bees, queens or extracted honey for a good Fdn. Mill for making Fdn for sections, or I will pay cash for one. **JAS. ARMSTRONG, Cheddar, Ont.**

WANTED—Situation for 1890, by an apiarist, 5 years experience, best of references; correspondence solicited. Have worked in a colony for comb honey two past seasons for A. E. Mansur, Vermont's largest beekeeper. **H. W. Scott, Williamsstown, Vt.**

WANTED—By a young married man, a situation as Apiarist to take charge of an apiary in summer and make hives or do anything else in winter months. Five years' experience in bee business; wages moderate, permanent situation being the object. Call on me at once. For references write the D. A. Jones Co. Beeton. Apply to **W. J. SMITH, Montreal, Ont.**

SHIPPING COOPS

For Exhibition and Sale Purposes.

Save money in express charges by buying light, well made coops, weighing only 51 lbs.

We keep in stock one size only, 20 in x 13 in. 2 in. for pairs or light trips.

PRICES MADE UP.

	Each	10	25	100
Skeletons, only,	39	17½	6.25	22.00
With Canvas,	49	17½	8.50	30.00

PRICE IN FLAT.

Skeletons, only,	2½	2.50	5.00	18.00
Name and address printed on canvas 5c. each extra; \$3.00 per 100				

For Exhibition purposes, where coops are not furnished by the Fair Associations, strips are supplied, which are tacked on one side of coop, at 5c per coop.

OTHER SIZES.

We make coops in any size desired, and shall, at all times be prepared to quote prices. In asking for estimates please give size and number wanted.

DRINKING FOUNTAINS.

For shipping and exhibition coops, to hold one pint of water: Price,	each	10,	25,	1.00
		15c.	1.40	3.25
				12.00

The water cannot slop out or become dirty.

Larger sizes made to order—ask for prices.

The D. A. JONES CO., Ltd.
Beeton, Ont.



W. T. TAPSCOTT, BRAMPTON.

W. T. Tapscott

Importer and Breeder of

SILVER LACED WYANDOTTES

BLACK, WHITE AND BROWN LEGHORNS,
PLYMOUTH ROCKS, MINORCAS AND
OTHER VARIETIES.

A fine lot of high scoring chicks for sale now, offered at
great reduction until Nov. 1st.

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