...The Canadian Bee Journal

PUBLISHED MONTHLY.

6W	SEL	RIES	
OL.	IX,	No.	10

BRANTFORD, ONT., APRIL, 1902.

WHOLE NO. 446.

Sweet April! Many a thought swedded unto thee, as hearts are wed; Yor shall they fail till, to its autumn brought,

ife's golden fruit is shed.

LONGFELLOW.



(Continued from Page 199.)

FIRST DAY (evening session)

30 o'clock p.m. The President in chair called the convention to

r. Smith, at the call of the chair, his paper on "Exhibitions of ey" as follows :

hibits of honey at our local fairs shibitions have come to be recogas being as much a part of agriral displays as fruits and ables, and in any locality where expers have taken sufficient st in agricultural societies, and ed their meetings, the Directors seen to it that the premiums iberal and encouraging.

re is no better means of educatgeneral public in the nature of honey then by a good disfairs. I do not mean such as ly called for in many prize "Strained, five pounds," and "In comb, five pounds," which is often taken literally. The liquid is very much strained, but not all of the pollen strained out of it, and, as I have seen, large brood combs shown for "comb." All this is pretty good evidence that their was no up-to-date bee-keeper on the committee for revising the prize list.

The Secretary and Directors of agricultural societies are generally progressive and intelligent men who wish to have their exhibition outshine all others, and to do this they must be well informed. I have always found them willing to do all possible in the way of alloting space and offering premiums for displays of honey, especially after it has been shown what an attractive display may be made with honey and other products of the apiary. Of course I do not mean that display should be encouraged before quality; quality should count most, every time.

Some years ago, when living in Muskoka, I exhibited honey at the Muskoka County Fair, showing the small quantities called for in the prize list. It was classed with preserves, pickles and other home produce and attracted no particular attention. The next year I exhibited at the industrial at Toronto, and, on my return to Bracebridge, applied for space at the County Fair to put up a display of comb honey in sections; also extracted honey, both clover and buckwheat. Some of it clear and some in the candied form, several hundred pounds altogether. Well, the result rather astonished me. I was overwhelmed with questions about honey. "How did I get it in the little boxes?" "How was it some was so light and clear, another kind so dark in color?" "What made it candy?" etc., etc. People who had never seen or tasted honey before, stopped to admire and express a desire to purchase some; and the result was that we sold all our cull sections by cutting them into five cent pieces that were eaten on the spot instead of candy, and many who had once tasted honey purchased some to take home with them. I had a crowd around the exhibit the whole time. The horev was all sold and orders were taken to be filled later.

This proved to be the best advertisement we ever had, and was the means of introducing honey into many homes where it was found to be so much more healthful and economical than many of the preserves in common use. When on a visit to Muskoka, during the fall of 1900, I found the displays of honey were still kept up. The bee-keepers in that district, who are as progressive as any in the province, evidently see that they are represented on the boards of their flourishing county agricultural society.

A mistake is sometimes made when attempting to make a display of honey in not having a sufficient variety of packages. I have known an exhibit to be made of several tons of extracted honey all put up in sixty pound tins in their cases. While such an exhibit may be impressive to the amateur who has a few colonies, it is not as attractive, in my mind, to the general public as a smaller quantity would be if put up in a variety of packages of both glass and tin.

Another large exhibit I remember was all put up in one pound glass jars. In both cases these were extremes and were rather monotonous to the beholder.

It must not be supposed that a good display of honey is made with. out some work. Honey of good The comb quality is first required. in sections with its delicate white cappings must be freed from propolis and crated in new clean no-drip cases of various sizes with glass on one of both sides to show the contents. The extracted honey, if in the candied form, will be of the previous season's crop, and put up in gass jars; or, if liquid, it is better to have a variety of packages of both glass and tin, of size and style that may be useful after the honey is used, with ear sprinkling of fancy jars for displa only.

I find it best to heat all honey tob shown as liquid to about 145 degree to remove all signs of granulation After it is cold it may be run in glasses and pails of various sizes the have been nicely labeled, care bein taken not to use jars that have green tinge, or it will give the home an unnatural color.

The exhibitor is now ready tos up his display; and in doing this has to be guided by the quantity be set up and the space at his d posal. A small exhibit artistical arranged is far more attractive th a large quantity massed toget without design. And last, but 1 he F least, if their are many entries and is trying to get ahead of his comp rea] tors, he must not forget that are likely the other fellow is doing t wh same. (Applause.) tion

In the absence of Mr. Hoshal, Newton called on Mr. Craig tog the discussion on this paper.

the Mr. Craig : Regarding the sub ve t of exhibitions of honey which

April

1902

been Smith this n attent In exi as To produ whole time h produc empha with e to be a lisplay there i the mc be to ossibl Torc or ext ificent me ot to ee-kee to the Istrv ince t ance. tende e hon nt in :

e wor

only

hor

ICe.

nes

upier

un fo

Agr

pla

tha

e our

been brought before you by Mr. Smith, I am inclined to think that this matter does not receive as much attention by bee-keepers as it should. In exhibiting honey at centres such as Toronto, London or Ottawa, the producer is brought in contact with wholesale buyers, while at the same time he is educating the public in his product. Mr. Smith has very wisely emphasized the points in connection with exhibits of honey that are well to be attended to, neatness, quality, lisplay, etc., and the more competition here is at these exhibitions of course he more anxious the exhibitor will e to have his exhibit in the best possible shape.

Toronto is the great headquarters or expositions of this sort. Magificent displays are made there ear after year but it occurs o me that that exposition has ot to a point where the Ontario ee-keepers' Association should look to the matter and see that our instry receives the place and promince that it deserves. Now, for inance, last fall those of us who tended the exhibition there found choney exhibit stowed away in a it in a part of the grounds where e would least expect to find it; and tonly last season does it seem that honey exhibit has had to give ce to every little thing that nes along. Some years ago it stical upied the Little World Building; veth in for a time it occupied a part of oget Agricultural Building, then part but he Fruit Building; after that it ; and placed under the grand stand :omp really one never knows where lat T are going to find the honey exing twhen you go to Toronto Extion. Now I think it is about ;hal, that this Association, if we conr to o eour grant to that exhibition, sees the exhibitors get fair play. I e sub we that something can be done if hich

you will only attend to it, but, of course, so long as you let things "slide on" as they are you will find that the Fair management will just treat the exhibitors in the same way they have been doing in the past. I felt that this was a good opportunity to bring this matter before you so that you can advise the Director, or whoever you appoint to represent you at the Toronto Industrial, that he sees that something be done for exhibitors who spend their time, money and energy in making a creditable display there.

The capabilities of Ontario honey producers, I believe, are measured to a great extent by this exhibit, and it has always been a credit to Ontario bee-keepers. As you are aware, the Industrial is by far the most important exhibition in the Dominion. It surpasses anything of the sort in the United States. There are visitors, not only from Ontario and the different Provinces of our own Dominion. but from nearly all parts of the United States and many English and Foreign visitors. It is therefore no small thing for you that you see that this matter is attended to and that the very best possible display of honey is made at the Toronto Industrial Exhibition.

Mr. Evans: Mr. Hoshal and I were judges at the Toronto Exposition and I must say I quite corroborate what Mr. Craig has said about the position in which the honey was placed. It was placed in a tent and at the time of the Exposition in Toronto the weather was very wet and the tent leaked and the honey was wet, and as there was guard placed the ne exhibitors had to sleep in the tent over night to watch it to see it was not stolen. I think it might be well in making a grant next year to put a condition that they provide satisfactory accommodation. Mr. Hoshall

1902

oril

19C

LTS.

nes

the

ta

ith-

ood

omb

hite

polis

ases

1e of

The

died

SOU

)1, 1

ty of

, of a

Iseit

th

splay

tob

gree

ation

0 100

es thi

bein

1are

hone

to

his

atity

is 0

品語!

and I were asked to make any suggestions in regard to the prize list or anything of that sort; Mr. Hoshall was very anxious it should be brought before the Executive, but it was thought better that he should bring the matter up here and I am sorry he is not present. There was one suggestion I made that I think there might be a benefit derived from, that was in connection with the dividing up of the money in the prize list. We had \$48 given for the best display. I may say the displays were excellent; there was a splendid show of honey. We found that there was not so much difference between the displays as there was between the proportionment of the honey. I made this suggestion that Industrial Association should grant a lump sum of \$48 as before and leave the dividing of it to the judges. I am pleased with the paper which Mr. Smith read to us to-night. I am satisfied those exhibits of honey help us to sell the honey to the consumers and they are a good thing and it is well to encourage them.

Mr. Pickett: The editor of the paper who has broached the subject this evening knows full well that I was careful how I gave a report of the honey crop from the section in which I live. He knows the care I exercised with him. I did the same thing with the Secretary of the Industrial Exhition, but so soon as I found we were having a yield of honey that would warrant us getting the building we were in the habit of having heretofore, I wrote him stating that the clover was yielding well and the prospects were good for a large yield of honey and that we would require The the building we formerly had. fact of me being down there at the time would make very little difference, as Mr. Smith well knows. I am only one on that committee and not the

chairman. We can get what we want by putting the honey in conditionally. but I hadn't that power. You gave the money and the honey and I had just to take what I could get. You can get a change on the prize list, you can appoint a committee to make sugg stions; but Mr. Holtermann, who is present, knows fully as well as I do that he and I have gone up time and again to get a change in the build. ing we should have had there and have not got it. We all know the prize that has been spoken of is not so large as it was. Anything of any moment is very difficult to get I don't ttenti know of any other way than by entering with the giving of the money his As condition withholding it unless proper accommodation is given. ho ex

Mr. Evans: I don't wish to be un derstood as making any reflection upon Mr. Pickett at all. I thinki than was owing to the fact that the Citya Toronto voted down a by-law to m up new buildings, but I think the onev will be remedied next year. rough

Mr. Holtermann: My name has bee mentioned in this discussion. I mig just say this, I have been at Toron Exhibition a good many years. don't know that I shall ever be the again to exhibit; but in connecti with getting one's rights at exhi tions, whether Toronto or oth places, we are in the days where n sible plums do not drop into people nk it mouths. If you want to get anythin Ins s -I don't commend the necessity dings that policy - but it is a fact that must fight for it. You must assu Ir. Str an aggressive and determined attitu e con towards getting what you want. I. Fr far as the committee is concerned, aing. is true that it is only one man that Dciatic there, and to quite an extent it We pends upon the pressure that can place brought to bear upon that commu factic of course relative to their department ted_

April

1902

as to

as the

ed, it

ate in

has h

locatie

are p

exhibi

and th

honey

cerned

keeper

there c

he oth

he att:

know

less i

re the

sted.

eneral

tar to

at eve

at the

such

tain e

Mr. M

as th

wed 1

shor

man

as to what they are getting. As far as the Toronto Exhibition is concerned, it has been particularly unfortunate in this direction that the exhibit has been shifted and changed in its location from year to year, and there are people who intend going to the exhibit before they leave the grounds who and they never find it. As far as ime honey exhibits in general are conild cerned, it is of interest to every beeand keeper, no matter whether he exhibits the here or not, to have that exhibit and ot so the other exhibits well represented; any he attractiveness there draws people's lon't mention to the honey in general; and nter know that there is a tendency in ev a his Association sometimes to consider less important than it is. The men nless the exhibit there from year to year

re the ones who are primarily intersted. By that I mean that the eneral membership cares less about than those who exhibit there from ar to year; and in giving your oney and in selecting your men all rough you should be very careful at everything is done rightly and at the conditions for granting money such that you can control it to a tain extent.

Mr. McEvoy: It is a pity things as they are, but I think Mr. Evans wed pretty plainly why it was. It shortage of buildings. Mr. Hill, manager, does the very best sible under the circumstances. I k it will turn out perhaps as Mr. ins says when they get more dings.

r. Smith : I think there should be e condition go with the grant.

r. Frith moved, seconded by Mr. aing, that the grant from this ciation shall be on condition we have a proper and appropriplace for the exhibit to the faction of the representative apted.-Carried.

OUESTION BOX. Conducted by Mr. Hall.

Ouestion 1: Is a larger hive than an 8 frame Langstroth desirable?

Mr. Hall: For what purpose? have equal to the 8 frame Langstroth hive, and I have equal to the II frame, and for extracted honey I want the large one, and for comb honey I don't trouble which one it is.

Mr. Holmes: Answer it both ways. Mr. Hall: For comb honey the smaller one. In the location where vou have a fall flow the smaller one every time. In locations where you have nothing but white honey, where it shuts off the 22nd July, the large one every time.

Mr. McEvoy: Wouldn't the man have something to do with it?

Mr. Hall: The man has something to do with all these things. He is the smallest portion of it. The field is first, the man is next, the hive is next.

Mr. Fixter: As far as my little experience is concerned. I have no use whatever for the large hive.

Mr. Hall: But you have no fall flow.

Mr. Fixter: No. We have had the frame Langstroth and a hive 8 15 x 15 x 20, and a hive 14 x 15 x 12, we have the Hedden hive: the8frame Langstroth hive can knock them all out. That is three years test.

Mr. Hall: Mine had twenty-five years test.

Mr. Holtermann: I might just say that the Company I am with are beginning, and after weighing it all carefully we have come to the conclusion, at least I have, that we are going to have 250 hives made and that they are going to be 12 frame Langstroths.

Mr. Hall: Mine is equal to a 13 frame Langstroth.

Mr. Holtermann : I agree with Mr. Hall entirely. Mr. Hall says he - 4 -

1902

ITTI

int

1y,

ave ad

ou

you

ake

s I

e un

:ction

inki

ity

O PI

; tha

sbee

mig

0700

TS.

the

1ecti

exhit

oth

re T

reopt

lyth

sity

haty

assu

attit

nt.

rned,

1 that

nt it

; can

mmit

artm

wants the large hive for extracted honey and for comb honey he does not care which he has. I don't want to run two kinds of hives if it can be avoided. If you are beginning two sizes of hives and you can make both do for comb or extracted I don't just see the objection that Mr. Hall has, if you have the fall flow.

Mr. Hall : The objection is this. I tell you what I do at home. I take every ounce of white honey I can get from the top and I either fill them up with foundation or put two together and run them down to the fall flow. They work together and they give me 50 or 60 pounds of a fall flow.

Mr. Holtermann : You can contract through the light flow and then give them more room for the dark.

Mr. Hall: I would rather keep them in the small hive so that they would not have any surplus honey downstairs and then give them a good chance to fill up with the fall flow.

Mr. Holtermann : You would contract to about 8 for winter?

Mr. Hall: If I am not lazy I would contract to four. Four will hold 35 pounds.

Mr. Gemmell: I have some on four solid sealed combs now; that is all they have got. I would like to evdorse what Mr. Hall says. It is not so much the hive, it is the location and management. If I had Jones hives I would use them; if I had smaller hives I would utlize them in such a way that I could make them big if I wanted to.

Mr. McEvoy: I think Mr. Gemmel set it right when he said it was the management, but I would want that management conducted with the 8 frame Langstroth.

Mr. Gemmell: In regard to wintering do you mean?

Mr. McEvoy: No; in wintering the big frame is nowhere. I would want the smaller hive then every time.

Mr. Gemmell: Do like Mr. Hall contract it if you want to. I want the big hive for summer.

Question 2: How close should an apiary be located to a dwelling so as (not) to cause annoyance to the inmates?

Mr. Hall: The distance makes no difference. You get a good woman in the kitchen making pear preserves and you go out and monkey with your bees and I guarantee they will be around the house whether they be five feet or five hundred yards.] prefer to have them as close to the house as I can get them simply because you haven't to run so far backwards and forwa ds, and also in carrying them out and in.

Mr. Gemmell: That will depend on how the house is located, whether there were many trees or few. Ou bees are very close to the house; m have a good many trees; they neve bother us or the neighbors. If you have an open space around the hous the farther they are from the hous the better I suppose. ve a r

Mr. Sibbald : A great deal depend on the way they are handled I thin

Mr. Hall: People get into difficul with bees and it is their own fat very often. We have only had a ney. complaint since I have kept the media twenty-five years, and that was Mr. Mi gentleman by the name of myself. ince t had a sick child and he brought so ch the honey home, when he got home honey was not in the bottle and he P was thrown outside, there was in 1 honey to be gathered and the b nIw got at it, and he was so afraid t. The child would be stung. used

Mr. Fixter: I think that quest is more in relation to people who adjoining bee-keepers ; how c they can be set to the neight of a re house so as not to cause annoy the ye to the neighbor. Mr. A

Mr. Gemmell : The answer g

April

1902

woul on th Mr on an they house and tl the m of Wo ceive bees. hedge the he Mr. feet fr louse 1 betwee. rouble Mr. ood de here i a boa hem or

nd mal

anno

ere is

Mr. H

er the

cross c

at que

er we

and (

clos

T had

ees, tl

would cover that ground. It depends on the location.

Mr. Hall: For eight years we kept on an acre lot 250 stocks of bees and they were within 12 inches of the house. The hives were back to back

and they stood within 8 feet off one of the most travelled roads in the City of Woodstock, and I have yet to receive the first complaint about the bees. They had to fly over a cedar hedge and that kept them up above the heads of the people.

Mr. Evans: My bees are about 10 leet from the rear verandah of the house but I have a close board fence etween them and us; they don't 111 rouble me at all.

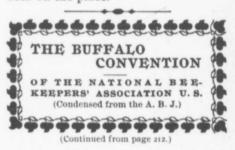
Mr. Chalmers: I think there is a nod deal in the way they are handled. here is no difference whether there a board fence or a hedge between em or not. Some will handle bees nd make them cross so that they are nannovance at any distance. I think ere is more in that than anything. Mr. Hall: As most of you know, I we a record of each hive and whereer there is a cross lot of bees I put cross on the corner of the hive and at queen is superseded as soon as t we can do it without losing ney. If they swarm she is killed the mediately.

> Mr. McEvoy: I don't give them a nce to swarm sometimes; I just ch their heads off a little before

> he President : There is a great a in handling bees I remember mI was with Mr. Alpaugh, west t. Thomas, and on the farm next used to plow and cultivate the and come right up to the fence, t close to the bee yard, and they r had once to move their horses of a row of corn or anything else. he year after with the assistant Mr. Alpaugh got to look after ses, the owner of the farm told

me that often they had to unhitch the horses from the binder and draw it away down the lane before they were able to hook the horses to it. He said the bees were so annoved because of the honey sitting around and the scrapings of combs and one thing and another, and they were tired of the bees on the place.

225



Is it profitable in working for extracted honey, to hive swarms upon full sheets of foundation? This question was put by Mr. W. Z. Hutchinson asking for a show of hands from those who would favor hiving swarms on full sheets of foundation in the brood nest.

A large majority of those present expressed themselves in favor of full sheets and a similar response followed the question "How many would fill their sections full of foundation?.'

Mr. Betsinger: I voted for using full sheets of foundation in the sections. Now, I don't know anything more about it than before I voted. The question is why I use them.

Mr. West: We haven't got the time to tell why. We have got to take the expression in this way.

Mr. Hutchinson: I fill them full in my locality, because they can finish the combs so much quicker and take care of the harvest. I think if the honey-flow was slow it might be profitable to allow them to build combs in the sections, but when it comes in with a rush, and they can fill the super in three days, they haven't the

1902

ril

11.

he

an

as

in-

110

1211

ves

rith

will

r be

I

the

be-

ack-

d on

the

Our

: 17

1646

107

10115

1005

pend

thin

icul

fat

1d 01

W85

elf. I

it 50

ne

: and

Nas

ie b

aid

luest

vho

NC

ight

nova

er g

time to build the combs and gather the honey, and for that reason it is profitable to use foundation, because they can get storage room quicker; but I have found it profitable not to use full sheets of foundation in the brood-nest when hiving swarms and working for comb honey, in my locality. I have taken the sections off the old hive and put them on the new, and have the same bees working in the sections again in 20 minutes, with all the enthusiasm of a new swarm, and all the honey that goes in must go up in those sections, and they will build brood-combs, and as fast as they build the queen will fill them with eggs, and I have gotten as nice honey as by allowing them to build their own surplus combs. But, as far as results are concerned in surplus honey, I can get more by allowing them to build their own combs in the brood-nest. I would confine a swarm to about five combs.

226

Mr. Abbott: As we seem to be establishing a precedent, I want to express my opinion about this voting business. It seems to me like schoolboy play. I cannot see anything to gain by it, cannot see any instruction to be gotten out of it, and I cannot see any good in it—a lot of people holding up their hands that they would do this and that. A National bee-keepers' meeting, it seems to me, is to impart instruction and information at the same time, and to hear from these people who are not in the habit of talking. I want to hear Dr. Miller and we want to see him.

Dr. Miller: I think there are certain things that we can get at a convention that we cannot get elsewhere, and this makes it worth while to come a long distance, and it is the men we don't see much of, it is the men whose writings we do not see much in the journals, that we want to hear from here. But there are certain things that sometimes have been discuszed so thoroughly that we are not likely to get any new light upon them, but it is of very great importance to me to know something about what the bee keepers in general do think about them. Now, if we were to have a long discussion about whether it is better to do this or that. and the reasons are given, (and we have heard all those reasons before) there is more or less waste time in And it is worth while for me that. am free to know that there are 37 who think mseasc so and so, and 13 others who think tict tha differently. Of course, an old man more ar like Mr. Abbot doesn't want us child ollowin dren to be playing here, but it is not ther tin child's play when we know what i ers br the weight of opinion upon that. The ellar, re we can go on and get ideas that w nold, wi will not get elsewhere. nd othe

W. L. Coggshall: What is the question under discussion?

Dr. Mason: We want to know whether the use of foundation is pr fitable in the production of comban extracted honey?

W. L. Cogshall: Surely, it is ind pensable.

Dr. Mason: Would you use it the brood-nest?

W. L. Cogshall : Most assuredly. Dr. Mason: Would you use it the sections?

W. L. Cogshall? Yes, sir, full s tions.

A Member: At what cost? W. L. Cogshall: No matter what cost.

D. W. Heise, of Ontario: I th Mr. Cogshall has almost settled question. We can discuss this ma day in and day out and at the en all the time it would resolve a into the hive question. We know profitable to use foundation, and know it from our own experie and I think every one in his loc and according to his honey-flow

April

exper profit: this co that (gives mysel

1902

The V

That

onsable

epleted

ways a

neetings

o be su

nd th:

probler

ill offe

ntinue

ich., sa

at "Th

eproble

mon

12 belc

be mad

which

rsonall.

epers w

lar, wh

ely out

itered c

ar win

tor Ro

nerly

ers to

eaning

he cold

WC

experience for himself whether it is profitable, and an expression from this convention by a show of hands that they all think it is profitable, gives me encouragement to do it myself.

(Continued next month.)

The Wintering Problem - Scientific Breeding, etc.

(By a York Co. Bee-keeper.)

That wintering is not a very seasansable theme for March discussion.I am free to admit, but seasonable or unseasonable I will venture to prelict that the subject will be discussed more among bee-keepers this, and the ollowing two months, than at any ther time of the year. When numers bring their bees up out of the ellar, reeking with dampness and old with a number of colonies dead: nd others find their stocks badly epleted on the summer stands, is it w wonder that "wintering" is ways a live topic at the spring lettings of our County associations? obe sure, we have some who connd that wintering has ceased to be problem; the less fortunate ones ill offer congratulations but will minue to think as Mr. Bingham, of ich., says in "Gleanings," page 155, at "The winter problem remains eproblem, where the mercury for e months registers from 35 above 12 below zero." Bee-keeping seems be made up of many contradictions, which wintering is no exception. vha isonally. I know of successful beepers who formerly wintered in the th ar, who are now wintering excludt ly outdoors, while others who ma tered outside are now enthusiastic ent ar winterers, even our good friend, tor Root, of "Gleanings," who was WO nerly advising Dr. Miller and 200 ts to winter outdoors, says in rie eanings," page 15, (in speaking 00 he cold snap in Dec.) "There was WG

a peculiar satisfaction during the cold weather in thinking that we had so many of our bees indoors." When "doctors disagree" (or change their minds) it is not to be wondered at, that beginners are often in a quandary as to how best to winter their bees, as well as how to decide some other important questions.

No doubt, cellar winterers are in the majority, but I have no advice to offer one way or the other, all I know about wintering in the cellar is what "the other fellows tell me." One thing I do know is that bees can be wintered in our locality in first-class condition outdoors, provided they are properly prepared in the fall, which,I suspect, is the secret of good wintering indoors or out.

LONG TONGUES.

In connection with Prof. Gillett's experiments re long tongued bees, it is interesting to note that he states that if there is any kind of bees "long worthy of being called tongued" that distinction belongs to the Cyprians. However, from the fact that the Cyprians are credited with having another member of their bodies very long and exceedingly sharp, not many of us will care to experiment with them.

SCIENTIFIC BREEDING.

This subject has been receiving a lot of attention of late in some of our journals, especially in the "Beekeepers' Review." Editor Hutchinson, in a lengthy editorial in Feb. issue, says that "while the leaders in apiculture have rejoiced in the discussion, he believes that a goodly portion of the rank and file has read it with scant patience-if they have read it at all." Friend Hutchinson must be something of a hypnotist to devine the minds of his readers like that. Certain it is, that I as one of the "rank and file" must plead

1902

ri]

S-

ot

on

rt.

ut

do

ere

out

at,

W'e

(e)

in

me

ink

ink

020

:hil

not

t 15

her

W

th

no

pr

1 21

ndi

it

ily.

it

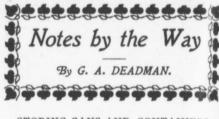
guilty, at least as regards some parts of the discussion. Of course, I have read all, but I suspect it was mainly for the same reason as I read Milton's "Paradise Lost" when a boy, viz: so that I could say "I have read it." However, the "Review" and its editor are "all right" and no doubt some of us sleepy fellows will be first to take advantage of any benefits derived from said discussion. Because some of us are not capable of fathoming all the arguments of our more gifted brethren, we surely should not be so selfish as to try and have everything just to our taste, by all means let us be patient and charitable even if articles are printed sometimes, dealing with subjects in which we have no particular interest.

Bees as War Messengers.

European experts in the so called arts of war are turning their attention to the study of the bee as a means of transporting war dispatches.

At first thought this seems almost ridiculous, but when it is explained it does not seem to be so far-fetched. It is well known that pigeons have been employed as dispatch-bearers in war time. Now it is claimed that bees would be more successful, inasmuch as it would be more difficult to intercept them, as the most expert sharpshooter could scarcely hit a bee in process of flight.

The practice of photographing dispatches down to minute proportions, for transit, and reproducing them when received to larger and legible proportions by photography, has been practised for some time. In employing bees as messengers, the dispatches would be reduced by photography to a very small size on the thinnest of paper, and fastened securely to the bee's back. At least that is what the European military authorities propose to attempt.



STORING CANS AND CONTAINERS FOR HONEY, ETC.

Unfortunately for the producers, there are other things that interfere with the sale of honey besides " corn syrup." I will only refer to one in this article, viz., the difficulty of handling. Whether it is granulated or otherwise, it is not easy to weigh or handle unless in original packages. and as a matter of fact the larger grocers will not accept it in any other way. One lady merchant who had purchased some granulated from me sold it by the pound and wrappedi same as you would lard. This might do in a small way but it wil never become popular. It is to the bottlin bee-keeper's interest to put it int elf; ur containers that will find the mos sthan ready sale. Now what shall thes 5 por containers be? This is an importan eusua question unless our honey is soldi is a t advance. The larger producers hav ould no doubt, their plans matured, an Vonly from years of experience have an ide eption how it will be disposed of. Nots is no however, with all. The majority ald an bee-keepers have one or more lan T yo cans into which the money is put y rea it comes from the extractor; and er. W passing I would say that for the to pr purpose ten cans holding 500 ncline each are preferable to five of 1000 ethev each. One bee-keeper I visited, my pa d I h had some half a dozen holding wards of 1000 lbs., remarked that ess it would have to get larger ones n Indle time. I told him that I thought

April

would

the m:

the sa

cost a

they as

ally sh

them, t

he dif

that we

them b

eg'111.

re 17 (

he hor

ind har

out it

hape?

ecessa

ave b

i bluoi

ins to ere the

ave it

en wh

not v

terwar

60 lb

lb. tir

10 lb.

would be a mistake and after talking the matter over I think he came to the same conclusion. The smaller cost a trifle more it is true, but as they are much easier to handle, especially should any honey granulate in hem, that they are worth more than the difference. It goes without saying hat we should take the honey out of hem before this candying process is egun. I wonder how many there rein our ranks who have not left he honey a little too long in these nd have had the bother of digging out in order to put it into saleable hape? But apart from this it is not ccessary nor advisible unless we ave but a small quantity that we hould have enough of these large ins to store all our honey. It is just re the difficulty lies. If we do not ave it in these large cans until sold en what shall we put it into? We not want it in barrels and find terwards a buyer who must have it 60 lb. tins. Nor do we want it in This b tins to find that it is required t wil 10 lb. pails. We will say nothing o th bottling because it is a business by int df; unless it is this that anything sthan 5 lbs. should go in bottles, 5 pounds or more is better in tins. susual thing for the larger pack-is a tin holding for lbs — I believe 11105 thes ortan oldi is a tin holding 60 lbs.—I believe wild be better for most of us if youly held 50 lbs. There are very hav 1, an n ide eptional cases when this 60 lb. Nots is not preferable to bbls., and ity ald an order come for some in the e lar r your customer will find for put y reasons, the 60 lb. tin much and r. Wholesalers who bottle honey or th to prefer this size package but I 00 1 nclined to believe that it is be-1000 ethey do not know any better. ny part so to-dI have no objection. ess it be I like something lighte. andle) but once the honey is ed, W ing that es I ghtt

granulated hard I want a smaller container. One that has a cover full size of the can, for unless one has some apparatus especially for the purpose it is too much work getting the honey out of them to suit me. I think we are standing in our own light in many instances when we ship in such to any except those who have facilities for conviently getting the honey out of them. I have emptied a number of these 60 lb. tins recently and have a "conviction" that there is something much better. To make matters worse many of them leaked. I wish some one would rise and explain how to get granulated honey out of these when leaking on two sides. When leaking on one side only I place the opposite side on the stove and with the mouth projecting over the side. As fast as the honey liquifies it runs out into a vessel placed under. If there is much of a leak it will not do to put the can in water as I have found to my sorrow. The honey being so much heavier it will find its way into the water. It may surprise some when I say that I prefer a 10 lb. slip covered pail to any receptacle I have yet seen for honey after it is granulated. In the future, or until further notice, any honey I have no market in view for goes into 10 lb. pails. If an order comes for a 60 lb. tin I can send six of these with the assurance that the customer will be pleased rather than otherwise. They are so much nicer to handle and more useful when empty. In sending these you will be doing a favor rather than otherwise. You can fill an order for 60 lb. tins with 10 lb. pails but you can very seldom send a 60 lb. tin in the place of six 10 lb. pails. A 10 lb. pail of honey almost any family can buy, although where honey is expensive I find 5 lb. pails are in demand.

229

-iI

ers,

iere

orn

: in

r of

ated

eigh

iges,

irger

other

had

n me

)ed i

THE CANADIAN BEE JOURNAL

THE

CANADIAN BEE JOURNAL Devoted to the Interests of Bee-Keepers, Published Monthly by

GOOLD, SHAPLEY & MUIR CO (LIMITED)

BRANTFORD - CANADA

Editor, W. J. Craig.

APRIL, 1902.

EDITORIAL NOTES.

Mr. John Fixter, Dominion Experimental Farm, Ottawa, writes us (Mar. 13): "I have just shipped two fine exhibits of extracted honey, one for Wolverhampton, England, the other to Cork, Ireland; they will both be similar to the exhibit the Experimental Farm had at Buffalo in the Canadian building. Our bees are wintering splendid, I expect to put a few colonies out in a few days for experimental purposes."

Mr. J. L. Byer, writing under date Mar. 25, says : "Have just come from an out yard of 75 colonies, and have been doing something I never had to do before at this time of year, viz., feeding. Cannot understand how it is, but the consumption of stores has been very great this winter. Bees are abnormally strong for the season. At the vard mentioned mice gnawed an entrance into one, all the rest seem to be as populous as they were last November. Out of the 75 I found nearly 20 that had very little honey left. At home I lost one through starvation."

E. G. Hand, Fenelon Falls, writing March 20th, says: "My bees have wintered pretty well, but I would have lost some of them only for the early spring, as they ran short of stores. although I put them up as heavy as I have been in the habit of doing for. Hami merly. After this I think they will Mr.G. have to go 55 or 60 lbs before I pack. ant. I find medium colonies winter best 0 exc but it seems impossible to calculate liffere within ten pounds of what they wil lesen con. ume. I seem to get better result teres with colonies going into winter In st trifle on the weak side rather that hat he very strong. The season is ver cre le much ahead, and I believe that m ho al bees will gather pollen in a few day re lo if nothing happens. Prospects we es, never better. The clover is in first ry t class condition." mily.

Other reports have been ve much along the same line. Bees a coming out in excellent conditional with very slight winter losses but large amount of stores have be consumed and feeding will need to resorted to in many cases. We would advise our readers not to neglect th colonies at this point, as brood re ing is going on rapidly and then Want "danger ahead." With us the beesm on's gathering pollen on Sunday, Ma g,an 23rd. Twenty- three colonies, wh we wintered outside in Alpan ung wintering cases, came through ted alive and in splendid shape, although of h they did not have a fly from the h the ginning of November until the led r of February. Vate

April 1902

As

the b

was

Lynd

March

\$60.00

raid to

count

armit

te hi

sing.

iging

king

trovi

the

1

Brock vs. Patterson.

pril

ing

ave

lave

arly

ores,

y as

r for-

will

than

ver

iat m

w day

s wer

n firs

ver

ees a

tionar

; but

re be

eed to

'e wou

lect th

od re

1 there

1902

As was announced in our last issue, the bee case of Brock vs. Patterson was heard at the Division Court, Lynden, before Judge Monck, on March 7th, Brock suing Patterson for 50.00 damages. Mr. J. H. Long, of Hamilton, acting for the plaintiff, and Mr.G.L. Staunton, K.C , for the defendpack. ant. The court house was crowded best excess and many bee-keepers from ulate ifferent parts of the country were 7 will resent watching the case with esult nterest. iter f

In stating his case Mr. Brock swore hat he owned a house and a halfre lot west of Mr. R. L. Patterson, ho also owned a house and a halfre lot, and kept about 120 hives of es. Mr. Patterson's bees had been ry troublesome to himself and mily. His mother and sister were aid to go outside of the house on count of them, and especially at arming time. He could not cultie his lot and had to give up fruit sing, not only on account of their ging the pickers, but through their king the juices of the fruit and troying the berries. He believed the could not sell the property if wanted to, on account of Mr. Patbeesm on's bees. His horse had been y. Mar g, and injured through fear of the es, wh . The family washing could not Alpat ung out to dry without being ough ted by their excrement. The altho of his house was also defiled, and 1 the the rains came this matter was til the ed off into the cistern, rendering vater filthy and unfit for use. His wood pile too was affected, he could not get anyone to saw his wood and sometimes the bees would crawl on the pieces and be carried into the house where they would sting and annoy.

Mr. Brock's mother and brother and sisters and a number of others, mostly relations, witnessed for the plaintiff. Mrs. Brock swore having had to wash the clothes three times. One of the sisters declared she had to leave home on account of the bees. On cross-examination it came out that this lady got married on leaving home and the lawyer was very much interested to know how great a part the bees had played in that event.

Taking the evidence all through the complaints were very much overdrawn, and in some points ridiculous.

In the defence Mr. Patterson swore that he had kept bees on his property for 24 or 25 years. They were the Italian breed and were very gentle. He had no complaints from any of his neighbors except the Brock family. He, too, kept a horse and the horse often grazed among the hives without being molested. So far as the soiling of clothes was concerned, this would only be possible in their first flight in early spring.

Mr. Ed.Dickenson, North Glanford, witnessing for the defence said that he kept 150 colonies at his house and they were not at all troublesome either to himself or his neighbors, and that bees are essential to the fertilization of blossoms, and Italians are particularly gentle.

Mr. McEvoy, foul brood inspector for Ontario, made a strong witness on the Patterson side from experience among the bee-keepers throughout the Province He had also handled Mr. Patterson's bees and declares them to be exceedingly gentle, and that there was nothing in the roof story. Mr. McEvoy also produced a drawing showing the relative position of the bee yard and the Brock residence. Mr. Henry Howard and Mr. Cornell swore to the unkept condition of the Brock property generally. Mr. Galloway swore he had plowed on Mr. Patterson's lot without any trouble. Mr. Draper, an old gentleman with a verv decided German accent, said he had lived next to Mr. Patterson for vears and had never been troubled by the bees. Mr. R. F. Holtermann, who was present, was called upon to state his experience with bees in a city where thickly populated. Mr. Holtermann showed that he had kept bees in the City of Brantford for many years without any trouble with his neighbors. Mr. Brooking, a fruit grower, who lives about a mile and a half from Mr. Patterson, gave a strong evidence to the value of bees to farmers and fruit growers. He kept some bees himself and wished that there were more in his vicinity. He swore that bees will not attack sound fruit, and it is only when the fruit is decomposing or in an overripe condition that they will interfere with it.

After the hearing of the witnesses the case was adjourned. The two lawyers, Messrs. Long and Staunton, to argue it, on the evidence given,

before Judge Monck at Hamilton.

Later-On Friday, April 4, Judge Monck handed down judgment in the Division Court action brought by Mrs. Sarah Brock and W. R. Brock her son, for \$60 damages for annovance caused and damage done by Robert Patterson's 118 hives of bees The judgment was lengthy, and of importance to bee-keepers. He dis missed the action. From the writter judgment the following extracts are onally. taken:

"The keeping of the bees by the defendant made the enjoyment of plaintiff's property less than it would otherwise be. In fact, at times th bees are an annoyance. Beyond this I cannot find that the plaintiff has suffered any specific damage

" I find that the annoyance is m such as to create a public nuisand In many cases an individual mu suffer an annovance for the publ good, and I am in great doubt as whether in the case the plaintiff entitled to damages, as he has remedy of the superior jurisdiction an action for an injunction. I dire a non-suit to be entered without co to either party."

Observing scientists tell us t girls are making larger and stron women than their mothers. Cau More outdoor exercise, better ph cal life. And that the boys are m bee hi stunted than their fathers of thirty 1011. forty years ago. Why? The dea cigarette, the " tobacco heart," dr ying st of vice instead of virtue in the daily. 8 6 f Is it not time for young men to a reach "halt ? "

April

1902

We

this Di

of Mr.

Ont. 1

entlen

THE CANADIAN BEE JOURNAL

1902

oril

lge

the by ock loy by ees

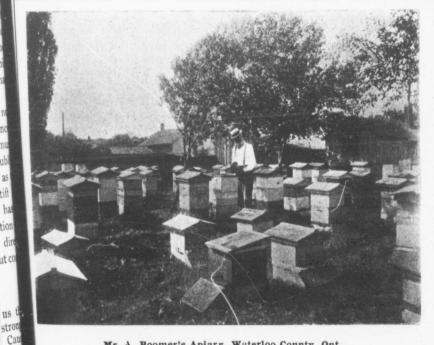
1 of

A Waterloo County Apiary



233

We have pleasure in giving on his page a picture of the apiary Mr. A. Boomer, of Waterloo Co., Int. Many of our readers are peronally acquainted with this tall old entleman, here shown bending over and ten, he is still straight as a reed, hale and hearty, and can run after a swarm like a boy. We wish that our good friend may be long spared to enjoy his pleasant and profitable "side line," as will be noted in the follow-



Mr. A. Boomer's Apiary, Waterloo County, Ont.

ee hives, having met him in conion. We think that we are safe ying that Mr. Boomer is the st of Ontario's bee-keepers, meas-6 ft. 4¹/₂ in., and although he eached the full three score years ing with which he has favored us in connection with the photograph, Mr. Boomer does not engage in bee-keeping as an exclusive business :---

The photograph sent you of my apiary was taken by Mr. G. A.

115

r ph are II

thirty

1e dea

t," dri

daily

1 to Ca

Deadman, of Brussels, in August, 1901, when on a visit and not intended for publication. I have been keeping bees for some 15 years with somewhat varied success. When I commenced, I was, as I am still, a travelling agent, dealing in sewing machines and musical instruments, and as I was advancing in yeas I was looking for something that would give me some employment, and possibly some returns, when I became too old to travel, but long before I felt like giving up the road I found myself with a yard of fully 100 colonies of bees. For a few years I found it more profitable to hire a man for some, three months in the early summer than to give up my business; but last season, although 70 years of age, I did the work myself, (my partner, nearly as old as myself, helping me a little in the extracting room) and I attended to the Division Court business of the township, of which Court I am the clerk, done a considerable insurance business and conveyancing, as well as keeping up the sale of machines and musical instruments. Not so bad for an old man, is it? especially as the crop of honey last season was somewhat large, running up to fully 10,000 lbs. I have only had one season of larger returns since

had one season of larger returns since I have been keeping bees and that was in 1899, when it ran up to fully 11,000 lbs., averaging about 120 lbs. per colony. Last year the average would be about 110 lbs. My greatest average in any one year was 125 lbs. per colony.

I use the Richardson hive, mostly those made with bevelled joints and sun caps and don't have to keep the covers on with stones. My yard, as will be noticed, is rather contracted for such a large number of colonies, being only about 60 ft. x 70 ft., the rest of the ground being taken up with buildings and garden. The small building to the right is my extracting room, size 10 x 14

My bees are usually very cross, last terni year particularly so, and this, in the judgment of such practical beekeepers as Deadman, Alpaugh and keepi Sibbald, was probably due to the of meconjested state of the yard. This I shout one fourth of them to an out yard this season. It may be possible that if I were to devote my whole time of it, but I find that my winter losses and far devote their whole time to them, and wood of my average yield of honey per colony on at is about as good as that of the writing.

I might mention that at the tim the photo was taken I was in the yard taking out combs for extracting. A. BOOMER

Waterloo Co., Ont.

Communications

Editor C. B. J.

0

Dear Sir,—Your favor of Feb. 24 duly received; also Bee Journal f January explaining Prof. Harrison success with formaline gas in destro ing toul brood germs in all stages foul broody honey combs.

Everyone interested in the hon bee will be pleased to learn of Pr Harrison's experiment, and I ass you that if it proves to be practi for the average apiarist to destroy live? had t foul brood germs in all stages a conditions, whether in the larvat tor of e Na has just died or in the putrid ma which has dried down in the cel n at F I. vear or more old, and as I underst all him the honey that is in the com bit of also disinfected at the same time.

April

1902

this is a grea ternit Yor not sc keepir of mee Evoy, Nation lappr mgla on at . continu ecting. e safe! n, we ats and or this. me k hat is uch li trust t nue h rough shal blishe e bene out fc is ger t: wł 16 his m wit ald g: tto s re or 1 to u atly a

this is so his discovery will be worth agreat deal to the bee-keeping fraternity.

You people up there in Canada are not so slow in looking after the beekeeping industry. I had the pleasure of meeting vour Bee Inspector, Mc-Evoy, at Buffalo last fall at the National Bee-keepers' Convention and appreciated this privilege. He is a good social gentleman to meet. He sfull of thought and expresses himelf freely for the benefit of others. I m glad to know you have such an ble man to take care of your foul mood over there. Now if Prof. Harrion at your Agricultural College will ontinue his experiments on disinsting, so that foul broody combs can esafely used to hive swarms of bees we Americans will take off our ats and bow to our Canadian brother this. I wish he would make the me kind of an experiment with hat is called black brood. It is very uch like foul brood in appearance. 1.8.88 ust that Prof. Harrison will conme his experiments, and then rough the Canadian Bee Journal shall look for his results to be 1999 blished. I wish that he would, for benefit of bee-keepers, tell more out formaline. What it is; what 0. 24 is generally used for ; what is its ial f t; what would it cost to disinfect TISOT 6 hives full of combs, or a small estro with some given capacity. This ages ad give an idea what it would to save combs by the hundred, hon e or less. A full explanation just of Pr to use the formaline would be assi ally appreciated. Is formline exracti sive? troy

had the pleasure of meeting the tor of the Canadian Bee Journal R National Bee-keepers' Associat Buffalo last fall a...d I assure I enjoyed it; and that is all, I saw that beautiful bit of Canadian honey and api-

arian supplies and fixtures at the Pan American, and I don't wonder so many would say, "Oh, My, is'nt it nice," "How nice those bottles and glass jugs of extracted honey look," "Do you see how that pyramid is formed with that large plate glass for shelves between the tiers of such beautiful bottles of honey," Don't see how they ever got the honey so nice and clear, do you ?"

Mr. Editor, you invited me to write an article for publication. I only expected to write a business letter to you when I sat down, but intended to write one later. Somehow my mind wandered and as I thought of you on the other side of the line, I have written, and if you choose you are at liberty to publish this.

Over here in Schoharie Co, in the State of New York, we have been having a very nice, steady, cold winter, and have had but very little snow, but a continuous long run of sleighing; more good sleighing than we have had for several years. On the 17th of March we had a big snow storm, 20 inches of snow fell in about 30 hours. I was out in it and away from home and drove all day for fear of being drifted in away from home. Feb. 28th we had a very nice warm day, with south wind which melted the snow very fast. March 1st was was fine, the thermometer at 65 degrees and my 20 swarms of bees that are wintering out of doors had a very good flight. Apparently no loss of bees by flying and they did not soil the snow to speak of. This is the first chance they have had to fly since the first part of November. I am wintering 4 out apiaries in 4 different cellars. All appear to be wintering well. All apiarists that I chanced to hear from or speak to around here say that their bees are wintering well, with scarcely any dead bees on the cellar floor

1902

ril

nv

ast

the

ee-

ind

the

SI

ing

out

ible

ime

cess

ISSES

who

and

lony

the

tim

var

MER

S

res

rvat

d mat

: cel

derst

: com

time.

We had a good white honey crop here last season, but not much buckwheat honey, which is generally our main crop. Our black brood locality is recovering and apiarists are learning how to more successfully handle the disease.

I forgot to say that our 20 inches of snow nearly all melted and ran off and caused high water, and some damage, March 2nd, and now our fields are almost free from snow and our roads are muddy.

I see no reason why we should not look for a good crop of honey the coming season. We usually take our bees out of the cellar the latter end of March or fore part of April.

The Commissioner of Agriculture, Chas. A. Wieting, appointed two agents as bee inspectors in 1889 and two more inspectors in 1900 for the State of New York. These are what are called civil service appointments. I trust that much good has been done by us. We are the bee-keepers' servants, but we do need more scientific work to help us out, and this is the reason that I am so much interested in Prof. Harrison's experiments with foul brood at your Agricultural Very respectfully, College, Guelph.

N. D. WEST, State Bee Inspector.

Middlebury, N. Y.

Spring Time In The Bee Yard.

EDITOR C. B. J.-

I have been going to write something for the Journal for a good while. I have been in the bee business for about ten years on a small scale and have found nothing pays so well for the amount invested, supposing there is a right kind of management and at the proper time.

The first warm days that come in February or March I begin to look after my bees. First I take a long

wire with a bend on the end of about two inches and I go to the entrance of each hive and scrape out all the dead bees that lie on the bottom. If there are any of them that want feed. mnditi ing I can usually tell by the amount of dead bees near the front of the hive Here "a stitch in time saves inside. nine.' In this case I open the hive and take out one or more racks o Tovide combs and replace them with tresh me. cards of honey, having made then anv v nice and warm. I always keep som roided. fall cards on hand for that purpose thoney If you cannot get all the dead bee out with the bent wire wait until som day when the bees are having a goo em lot fly, then open the hive, take out two fe pla three racks at a time, being carefi til the not to get the brood chilled. You ca the sp thus scrape all the dead bees of nicely by moving the remaining rac g of hi first to one side and then to the other I believe that cleanliness is a gre Canad prevention of foul brood and moth itor C The offence of the dead bees. I see t] lieve, is what first causes the disea ting for it takes them a long while in t ikes m spring to clean out the hives the e yet selves and the more backward ch, of spring is the worse for the bees. nitouli never take my bees out of their win tin w cases. All I do is to remove o beg: packing so I can get at the top of nd is hive, and when the cold winds b gre they are warm and in the intensel y to F they are cool. My bees are always le nea good shape for the apple bloss burn and better for the clover. In m wit spring lots of stores and plenty er: h warmth is what makes strong gold full colonies, and a profit later for Is bee-keeper. I use the Jones hive Be winter outdoors. SU

BERT TRICK

WS. 1

s; th

a s111

II

Indelj

lant :

Simcoe Co., Ont.

[We are pleased to hear from] Friend Tricker, about your lin management; and while your th April

of the

exactly

leachin

leaned

nust b

И

f the cause of foul brood does not agree with present day exactly eaching we all must admit that the undition you speak of favors disease, have the bottom boards nd to leaned and freed from dead bees nust be an advantage to the colony, rovided it is not done at an improper Handling or disturbing them ime. any way in cool weather should be mided. Your idea of keeping combs honey for spring feeding is a good We like, however, to leave ne. em lots of stores in the fall, it is a fe plan and carries them through til the weather is definitely settled the spring, so that there is no openof hives at irregular times.-ED.] othe

Canadian Bee-keepers' Paradise.

itor Canada Bee Journal.

see that other Bee Journals are ing up Bee Paradises, and it kes me that perhaps none of them e yet discovered THE Paradise, ich, of course, I assume is our own nitoulin Island, and especially the tin which I live.

begin with, I might say the nd is not thickly inhabited. There a great deal of land that is not y to be brought into cultivation tenear future. Much of this has burnt over, and is now thickly m with red, white, and alsike er; besides, in this vicinity at golden rod, and a fire weed, a I suppose is the great willow Besides this there are a great swampy places filled with ws, soft maples, and swamp s; the higher timbered lands a supply of basswood. Then , I must not forget the supply

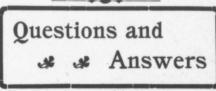
ndelion around here, and the ant supply of wild gooseberries, currants, strawberries, and raspberries, the last named, however, is gradually dying out. Of course, we have weather at times which causes the bees to stay at home. Often in spring there will be weather so wet and cold that bees cannot fly more than onethird or one-half the time. Then again, there occasionally comes a summer when the clover, white and alsike, fails to make its appearance. Generally, however, there is adundance of pasture from April 15th to Sept. 20th. Last year my bees were working on the tenth of April.

Though this place is so promising for bee-keeping there are very few bee-keepers-I mean professionalson the Island. A great many farmers around here keep a few, chiefly for their own use, but their losses in winter are so great that most of them increase their stock but little.

I have referred to the vast areas of clover lands; that means pasture, not only for bees, but also for cattle. This is a district pre-eminently fitted for bee-keeping and stock rais-What we need is men who 1115'. understand the business, with capital, energy and pluck enough to push the matter to a successful conclusion.

W. MOORE.

日道:



Algoma, Ont.

[Questions to be answered in these colums should be sent to us not later than the 15th of each month in order to insure their answer appearing in the follow-ing issue. We wish to make this department as use-ful to our readers as possible and a reliable source of information. For the present at least the replies will be procured from various sources.]

FOOD VALUE OF HONEY.

Could the Bee Journal give us a list of the food values of honey compared with beef, cheese, butter and

1902

ril

ut

ice

he

If

ed.

unt

176 ve

1176

S 0

res

her

om

)0S

bee

iom

g'00

V00

reft

1 Ca

. 01

rack

gre

noth

It

isea

n t

the

:d 1

es.

win

ve

) of

is bl

iseh

way

10550

In

enty

ong

r for

hive

RIC

rom

r lin

ur th

other similar foods? It would assist us often in selling honey, as a great many people do not know of the value of honey. I have never seen such a comparison and would like to know a little more about it.

Zurich, Ont.

JACOB HABERER.

ANSWER-You ask for an article on "Food value of H' ney as compared with Meat, Cheese, Butter, etc." This is hard to give. All kinds of food are necessary to health, and the best condition of our bodies. The proteids: meat, cheese, white of egg, we positively must have to live at all. We call food containing much of these hearty. If we have too little we are poorly nourished and crave them. The carbohydrates: starch and sugars, including honey, if not so absolutely necessary to life, are surely requisite to health and strength. We have a great sugar factory in our bodies, the liver, so that we may have this necessary food even though we do not take it in our daily regimen. Fats and oils are likewise necessary to the best condition of our bodies. We could live on proteids alone, but not in best health, and such diet is very expensive when it alone ministers to our bodily needs. The liver can manufacture sugar when we eat only proteids, but it works much easier and more effectively when we eat liberally of the carbohydrates. Nearly all sugar, and all starch, must be digested before it can pase to the blood. Not so honey. The bees di-Thus we may well gest this for us.

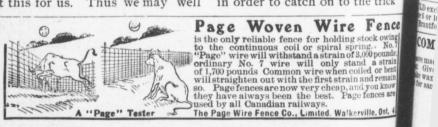
believe that of all the carbohydrates How honey is the best. Thus we can say aprepar that honey is doubtless the very best food of its kind, and that such to an absolutely necessary to health and absolutely accessary to health and absolutely tare mo expensive and absolutely The child voices requisite proteids. his need of such food in his longing eil, or in for candy. We act wisely when we d-sized, a give him all he desires in the best of sweets: honey, which should be served most liberally at every meal time Lpear th This will check the desire which over . leads to the pernicious habit of taking K, don't i mof th candy at all times and on al ler to occasions. nand

Claremont, Cal.

Finding the Queen.

PROF. A. J. COOR

The Bee-Keepers' Review gives the following directions for finding the queen by a California bee-keeper M Henry E. Horn. "Blow some smol into the entrance to alarm the color Two or three puffs will be sufficient Take off the cover and watch t behavior of the bees. Those at distance from the queen will come between the frames and walk acro the top bars. Keep close wat Finally at a gi en point, a dozen two will stop and sort o' smell do between two certain frames. If the two frames are taken out togeth the queen will be about the f thing seen when they are separat This method never fails with a but some little experienc is necess in order to catch on to the trick"



tanspar

letter

ten cop

cult to

aving a

irse, or

tan inch

e top s

Ladies

KEE

hange : ed at tl

nal n eas th

ening

m ar only.

dof ea

LD ex EES for

few

St., Br

EaGer d sha

oth fr:

Brantfo

TED t

bundat

LD exe

T& Mui

15 or 10

e mai Give Wax

THE CANADIAN BEE JOURNAL

How to Prepare a Manuscript.

pril

tes

say

pes

dis

and

the

telv

ices

ring

W

t o

rved

ime

kin

2

OOR

es th

g ti

r M

smol

olon

iciet

h t

; at

me

acro

wat

zen

1 do

[f th

geth

10

Jarat

th

cess ck"

No.7

unds;

train

bent

main

know

s are

Ont, 4

preparing manuscripts use plain white paper good black ink. Don't use paper that is flimsy mansparent or so spongy that the ink is likely Mar, nor sheets that are of different sizes or that been torn out of a notebook and left with the h edges untrimmed The two sizes of sheets are most generally used are commercial note letter paper. If you have to send out handten copy never write it in pale ink or in lead il, or in backhand, which as a rule is extremely alt to make out. Cultivate a round, clear, sized.almost vert:cal hand.and form the habit aving a wide space between the lines. Write, mrse. on only one side of the paper, and if you near theend, tht you are going to run a few over what you thought would be the ast don't squeeze the final lines together at the mof the page or write them on the back of it ter to save another sheet. In both handand typewritten copy leave a margin of at an inch at both sides of the sheet as well as e top and bottom.-Franklin B. Wiley, in the

aladies' Home Journal.

HONEY EXCHANGE. (SOMETHING BETTER.)

I will contract now for what you may have of next season's clover honey, or possibly there may be someone near you who breaks down the market and interferes with your trade. I can afford to pay more when bought in advance, as I will find containers and can plan accordingly.

> G. A. DEADMAN, Brussels, Ont.



Pen and Pencil Stamp-One-line 25 cts., Two-lines 30 cts., Three-lines 35 cts.

SPECIAL TO BEE-KEEPERS

Every Bee-keeper should have a Rubber Stamp and stamp his name and address on every section of honey, also on his envelopes. I will make a three-line stamp, 2 inches long, and send prepaid, with pad, to any bee-keeper in the United States or Canada, for 40 cents cash with order, if this paper is mentioned. Catalogue free, Agents wanted to sell vubber stamps.

D. W. MOORE, 9 Queen st., Brantford.



KEEPERS' EXCHANGE COLUMN

hange advertisements for this column will be what the rate of 25 cents for 25 words, each beal word one cent. Payments strictly in meas the amounts are too small to permit of heiging. Write copy of ad. on a seperate tiom any other matter and on one side of the rady. Say plainly how many times ad. is to ared. Matter must reach us not later than Mode ach month.

LD exchange well bred White Wyandotte Egsfor a good strain of Barred Rock Eggs ta few colonies of bees. Wm. Bayless, 43 18, Brantford

La Gents' Bicycle (Brantford Red Bird) in Molaape. Would like to trade it for bees. Muh frames preferred. Frank Adams, Bow Bantford.

TED to Exchange —Bees for a Happy mucht range, light market wagon, rifle or mudation mill. James Armstrong, Cheap-

D exchange bee-keepers' supplies for s'wax or light extracted honey. Goold, % Muir Co., Ltd., Brantford, Ont.

Dexchange first-class light or dark honey tor 10 gallons good maple syrup. W. J. Rantford, Ont.

COMB FOUNDATION.

we made up and satisfied our customers in Give us a trial. wax in payment for making up. Wr samples and prices.

JNO. NEWTON, Thamesford, Ontario. の時に

THE CANADIAN BEE JOURNAL

QUEENS <u>YOU SHOULD</u> HAVE

Does blood tell in other stock ????? Give your bees a chance. Stock used for breeding the queens offered—not from a sport—but my pick out of an apiary giving last season an average yield as follows :—

Honey Gathering:

102 lbs. Extracted } Honey per Colony

Quality of Comb Honey Produced :

"Man ! It would dazzle you."-WM. McEvoy, Ont. Gov. Inspector of Apiaries.

Wintering Qualities:

"Up to the present (Jan. 30th) I never found these bees to show the least indication of unrest, always perfectly quiet. They are wintering perfectly.—FRANK. P. ADAMS.

General Commendation:

"Out of those queens sent me I have produced the best race or strain of bees I ever owned. Remember that is saying a lot as I have tried every breed imported to this country. The bees winter better, build up and stand cold, chilly winds in spring better, and are more suitable than any bees I ever owned. For the season they gave me about double the honey Pure Italians did, and more increase. Glad you are going into the queen business and are going to join our ranks again. We are much in need of a few men like you."—C. W. Posr, (owner 365 colonies) Ex-Pres. Ontario Bee Keepers' Assn.

S. T. PETTIT, Canada's most successful comb honey producer and bee keeper, says: "The blood in my apiary is largely the progeny of queens sent by you; they are grand bees."

PRICES OF QUEENS:

(They are duty free to the United States.)

Tested	\$2 each ; \$10 for 6 ; \$18 per do	σz
Untested	until July 1.25 each; \$7 for 6; \$12 per do	z.
Untested	after July 1 \$1 each; \$5.50 for 6; \$10 per do	Z

Large quantities prices on application. Postage stamps taken if necessary for fraction of a dollar. To be fair to everyone no Selected Tested Queens or offered thus energies the set of seme change

The above queens are bred from a careful selection of Italians and Carnolians. Pure Italian or Carnolian Queens same price. Price of full colonies on application.

Orders booked as received and filled as quickly as possible. Order early.

Address,

R. F. HOLTERMANN,

(Manager Bee Department)

BOW PARK CO., Limited, Brantford, Bran Co., Ontario, ATTENTION BEE-KEEPERS

> We are Headquarters for everything in the line of

BEE KEEPERS' SUPPLIES

Prompt Shipment, Right Prices.

Improved Model Bee Hive, one of the best hives in use; Sections, No. 1; Comb Foundation, thinner than most foundation; Smokers, Perforated Metal, Italian Bees and Queens, &c.

Sample Improved Model Hive,	
complete, for comb honey, partly nailed up	\$1.45
With Smoker	\$2.20
Smoker, by mail	\$1.00
Guaranteed Pure Italian Queeus	\$1.00
Choice Breeding Queens each	\$2.00

Send for Circular and Price List. Free.



Please mention Journal when writing to advert

