

## THE CANADIAN BEE JOURNAL.

comes? We  
gets started.  
want to keep  
ing as we can  
don't need to  
are there it is

of room and  
are given for  
we don't find  
at the outside  
use Langstroth

say that I had  
trying to break  
order to keep it  
find that taking  
is one of the  
do. It will cause  
teen seems to be  
ant to break up  
ep the brood to

If you want to  
outside. If you  
g in the centre  
that the queen

Next to that  
ir starters. I find  
seem to want to  
starters, but they  
on the starters

I to say what  
I wanted to add  
nds from four to  
g necessary?

ick with regard  
inches of packing  
rovided it is good  
aps some people  
hes, and it would  
g. Sawdust is no

We generally use  
wings are good, but  
issible to get them

Leaves I don't  
out. With regard  
he plan that I have  
e found most satis-  
ays; that is, to re-  
om the brood ne-

when you find the colony is preparing  
to swarm. I don't think it is neces-  
sary to take medicine until you are  
sick, and we don't care to draw from  
a colony until we find they are pre-  
paring to swarm. Give them lots of  
super room and keep them cool. If  
you can't do any better, keep the cov-  
ers up and give them ventilation that  
way. When you find they have begun  
to build queen cells, that is the time  
to treat them by removing some of the  
brood.

I prefer removing the brood in the  
larval stages. It is not the brood that  
is in the larval stage that is going to  
get the honey. If you have them, put  
the drawn comb in the brood chamber.  
Put full sheets of foundation work very  
satisfactorily. I think it is better to  
put them in between the combs. Put  
them towards the centre. In putting in  
empty combs, put them in the centre.  
There isn't the brood at the outside,  
because if you place the brood on the  
inside the queen is more likely to lay  
there, and the bees are less likely to  
take honey in the centre of the hives  
than at the outsides.

Member—How does Mr. Holtermann  
utilize his supers?

Mr. Holtermann—In the back of the  
hive I have had up to this year a  
piece of tin on the rear side, just to  
slide it backward and forward. It is  
very important to have ventilators in  
the supers in order to prevent swarm-  
ing. I will tell you the way I think  
the stocks operate. We know that as  
the bees come up to full strength in the  
brood chamber it isn't a time to put  
in your supers. Now instead of giv-  
ing brood to the weak stock, I would  
give it to the next strongest, and  
that way equalize without any loss

of honey-gathering bees, because in a  
one-frame or 10-frame hive there is a  
honey-gathering force, and when you  
fill them you have lost nothing  
of your honey-gathering force, and go

on in that way until you have got them  
all filled up. That is the way I get  
my increase. I try to have laying  
queens ready. I leave a nucleus and  
leave enough young bees, and the  
young bees will adhere to these, and I  
would build up full stocks again. I  
try to build up in that way, and keep  
all my honey force ready for honey-  
gathering, and in this way I think  
we get good results.

Mr. Byer—What I had to say was  
much along the line of Mr. Holter-  
mann's remarks. In Mr. Nolan's pa-  
per it was mentioned about equaliz-  
ing stocks on the second visit. In my  
experience I find that a dangerous  
practice. I find it far better to leave  
the colonies intact as much as pos-  
sible. If I have an extremely strong  
colony it is an excellent thing, but it  
is a lot of work. I have been in the  
habit of adding an extra story, but if  
I used a single hive I would put it  
underneath, and I would allow the  
queen the full run of those combs, and  
I build up my colonies at the begin-  
ning of the flow, so that we have our  
honey bees ready when the flow comes  
on. If the weather turns cold you will  
have some chilled brood.

Mr. Holtermann—That is a strong  
point. In building up your next strong-  
est colony you run no danger.

Mr. Byers—Don't you find a danger  
of having a strong colony swarm right  
in the honey time?

Mr. Holtermann—Not if you take  
them in time.

Mr. Hirschiser—Quite a number of  
years ago—I think it was at a meeting  
of the Canadian Bee-keepers, I advo-  
cated something like Mr. Holtermann  
says, but a good many of the old bee-  
keepers thought that wasn't a good  
plan. They thought it was better to  
equalize by giving to the weaker col-  
onies.

Mr. Holtermann—I don't claim these  
are my own ideas. I pick up a thought  
here and a thought there.