

te right in recom-
p enough that the
on the hive in the

feeding Syrup.

many different ways
have been given in
I now prefer mak-
heat as possible in
danger of it hard-
a Daisy churn for
last fall with good
was attached to the
that run the honey
wo and one-quarter
of water was used;
g when put in; the
out fifteen minutes,
ds was made in each
making a round
n or mixer, having
ends instead of the
ions may be neces-
o make it mix right.
amp will be placed
which will help to
up.

half gallon fruit jars
, the holes are made
f a one and one-half
jars turned over a
side cover. For fall
of wood with two
1 them; two blocks
time, which would
ars.

Bottom Boards.

ave deeper entrances
for ventilation, and
he dying bee to roll
the bottoms should
the frames that the
to the combs.

boards I ever used
yle with three-eighth
to form an entrance
e to four inches of

projection in front for the bees to alight
on. The next style I used had the front
projection cut off even with the front of
the hive, and as I use it now it is one
and three-eighth inches shorter yet. This
bottom is made by taking seven-eighth
inch board, eleven and one-half inches wide
(the inside width of the Heddon hive),
cut it off square at the back end and nail
a seven-eighth inch cleat to the under
side; this cleat is thirteen and one-quarter
inches long. The front end of the
bottom is cut back on a bevel; the un-
der side is eighteen and one-half inches
long, and the top side one inch shorter.
The front cross cleat is two and one-half
inches wide, seven-eighth inches thick and
thirteen and one-quarter inches long, and
is nailed under the bottom, one edge pro-
jecting out one and three-eighth inches
beyond the front point of the bottom or
enough to make the bottom when com-
pleted, nineteen and seven-eighth inches
long. The side rims are one and one-
quarter inches high by seven-eighth in-
ches thick and are nailed on the edges
of the bottom, giving a three-eighth
inch space under the frames and an en-
trance one and one quarter inches deep,
full width for summer, but only about
four inches wide for outside wintering.
Mice are kept out with one-half inch
wide cleat tacked to the edge of the out-
side sliding door. In the spring the door
is turned upside down, which gives a
small entrance for spring.

E. T. BAINARD.

Lambeth, Jan. 27, 1911.

ALLEN LATHAM'S METHOD OF WINTERING.

Indexed

"Everyone who begins to own bees
must try to solve a problem as soon as
the first winter is about to come on be-
cause of the possibility, or is it probabili-
ty, that his hive of bees will not pass
the winter in safety. When my first
colony of bees had to meet the winter

of 1894 the problem caused me much un-
easiness. I finally decided to place the
hive in the loft over the carriage house,
a large room with a window at one end
and a door at the other, and with raft-
ers uncovered.

"It was not really a bad place, for it
was dry and the air was good, but it was
not dark. I think, however, that the
bees would have survived had they been
left undisturbed, but their young owner
had to look in on them once or twice
every week during the winter.

"The next fall found me with five col-
onies. Not this time unprepared, for
the summer had not been allowed to pass
without much study and reading upon
the wintering problem. That veteran,
Demaree, was my guiding star, and the
five colonies were packed in winter cases
with sawdust. The entrances were very
small, and over the frames was a good
cushion of sawdust. This is a method
which will winter successfully in 99 cases
out of 100 in this latitude. In all my
experience I never lost more than one
colony by that method when other things
were right, that is when the colonies
were in good shape with plenty of stores.
The one failure was a strong colony
which starved to death with honey all
about it. A long spell of zero weather
had caught it without enough honey
in immediate reach. The hive was too
well protected. Solar heat had had no
chance to arouse that colony to sufficient
activity to move honey.

"For seven years or more this method
of wintering was followed until my no-
madic life as a school teacher during the
nineties caused the method to die a nat-
ural death. But of all the makeshifts only
one proved of unqualified worth. This
was to use a bran sack, cutting open the
bottom, pulling the sack down over the
hive, tacking all around, stuffing same
full of leaves, pinning the corners to-
gether at the top, and covering all with
waterproof paper. For a simple, cheap