THE CANADIAN BEE JOURNAL.

BARRELS.

le offer-

nt room

vhat Mr.

us room

hive in

u give a

to four-

e with a ien those

ppliance

1 to leave

are com-

vercrowd-

instances

s, such

ly in my

nated with

ff the cell

nost they

of cells di

vow, actu

we chan

it in man

Is will st

it would

once in t

second th

not. The

) that ca

o have

t. Here

of them I

rhaps in

) swarm

here will

not good

h a comp

ff your o

During

be; the

ame.

with W.

One page 114 C.B.J. for May, the esident is given credit for a pararaph on barrels which he might not are to own. I happen to remember scovering this error when revising he report, but unfortunately the reort as revised goes to the government r publication in bulletin form, while Canadian Bee Journal uses a copy the original unrevised.

It was myself, not the president, who id used weathered barrels, and learnby bitter experience more about the oper trade in one short season than eaverage bee-keeper will ever know. To start at the beginning, honey abrbs moisture from anything at all oist with which it comes in contact. e natural and common idea is that barrels are at all loose honey put in m will soon soak up the staves and ocality the keep them in a damp place so they nous, one uld keep tight and ké all tight. One would be tempted ch honey. Now, the very opposite the case. My first experience with rels was; I think, in 1903, when I d some with honey at an outyard left them in a small frame house heated up terribly during "he day. the next visit honey was oozing out ugh every crack between staves head pieces. The insides of the s were smeared with honey so they ld not drive. Well-I have had santer experiences; but I got them up.

> rrels for honey should be kept in place, and if next the roof so as heated by the sun and more thory dried, so much the better. Then filled with honey, the same rule s some advise placing in celter filled. This is a very pleasant out of present difficulty, because ampness will soon soak up the te of the staves and stop small but if they are then shipped and anding in the sun on some plat

form, or in a hot, dry warehouse, this is all undone, and the leaks develop when they are beyond the shipper's control.

The time to stop leaks in barrels is before they are filled. They require careful handling from the first. If left standing on end in a shower of rain the heads and stave ends soak up and attempt to swell. The hoops hold them in place and the consequent pressure crushes the wood so that when dry again the shape of the staves is spoiled and it is difficult to draw them together by driving. After being thoroughly dried we go over every hoop in turn. The first hoop is taken off, set on an anvil or any smooth iron and all the punch points flattened down with a hammer so the hoop will drive easily. It is replaced on the barrel and driven as tight as possible with a steel hoop driver which has a soft iron handle thesame shape as that of a cold chisel. This tool weighs about a pound and is driven by a steel hammer weighing about three and a half pounds. An ordinary carpenter's hammer is not heavy enough. I have never burst a hoop yet, though I have started the rivets on 'a few. The next hoop and all the others in turn are treated in the same way. Next examine the whole surface of the barrel for openings. Plug all holes except the bung-hole. Cracks crosswise of staves can be closed by laying on a piece of cotton and covering with tin nailed down well. Mark with a pencil any spaces where the staves do not come tight together at the end, remove the end hoop and loosen the others so these cracks will spread enough to slip in strips of cotton or flags; then drive the hoops down tight again. If this coopering has been done any length of time before filling drive every hoop the last thing before the barrel is put under the extractor, and there should be no trouble about leaking. The tamping with twine and

165