

much profit from bees which are allowed to stand out in unprotected hives all winter. The work of placing in winter quarters should be done before steady cold weather sets in, and then they should be allowed to remain undisturbed. Stock of every kind should be excluded from the apiary at all times, but poultry may have the range of the apiary. Bees need little attention during winter. At the approach of a warm day see that the entrance of each colony is open so that the bees can have a free passage out and in. During cold weather it will do no harm if the entrance or even the hives are totally covered with snow; it serves as a protection.

Ohio.

A. H. DUFF.

The number on the address label shows the date of expiry of subscription. Examine it and see how you stand and if behind with your JOURNAL dues have it remedied.

SUNDRY SELECTIONS.

WOODEN PACKAGES FOR EXTRACTED HONEY.

HENRY B. PARKER.—Would you kindly tell me through the CANADIAN BEE JOURNAL how to make some cheap open top wooden tubs or tanks to hold 400 or 500 lbs. of honey each? Would white ash timber be better than pine, or what kind of wood do you think would be best? What would you use for coating the inside of the barrels when made? Would there be any danger of the honey tasting of the wood, if left to ripen in these barrels?

Morpeth, Oct. 4th, 1887.

In reply to the above, we would say that we have a large number of whisky barrels, that hold five or six hundred pounds, that we got several years ago. Some of them had been nicely painted on the outside. We made a hole of suitable size near the bottom as they stood on end and screwed in a tap. The barrels are made out of very heavy oak, staved and hooped with double hoop irons. We paid \$3 and \$3.50 each for them and we will give them for \$2.50 a piece, as we do not use them now, and they are about as good as new. We prefer to use tin tanks. We would not advise any person to use wooden tanks for honey. The cost of waxing, the loss of honey soaking into the wood, leakage and other disadvantages, overbalance any advantages they might have. We also have a number of ten

gallon kegs made specially for holding honey. We have got about fifty of them which cost us \$1.10. We will be pleased to take 75 cents apiece for them. All experiments with wooden packages with us have proved unsatisfactory, although we were able by carefully drying them and driving the hoops firmly around them to make them hold, but after the honey becomes granulated in them it is very awkward to get it out, to liquify. You have got to drive the hoops off one end, take out the head and then take out the honey. We much prefer the sixty pound tincase. We do not think it will take you long to decide that wooden tubs are a great nuisance, as they shrink every time honey is put in them, instead of swelling. A tub that will hold water will leak honey. "Water tight" is no test for honey as it seems to be able to penetrate through joints which would be "coal oil" proof. The other day we filled a barrel that had been thoroughly dried and the hoops driven very tight until it would hold water without leaking a drop, with liquid honey, and after the honey was in it about a week it commenced to shrink and leak, and one of the boys came in one morning and said: "That barrel that held water so well last week is now leaking badly. Honey seems like a live eel, very hard to hold, as it seems to wriggle through the wood in spite of iron hoops." Pine, we have heard, makes better honey barrels than soft wood, but as we have settled down on the sixty pound tins for honey in bulk, as we can liquify them by simply putting them into a boiler of hot water, we cannot recommend any kind of wood. Most large dealers in or handlers of honey prefer tin.

Convention Notices.

MICHIGAN STATE BEE-KEEPERS' ASSOCIATION.
—At East Saginaw, December 7th to 9th, 1887.
H. D. CUTTING, Sec., Clinton, Mich.

North American Bee-Keepers' Society and the Northwestern Bee-Keepers Society will meet in joint convention at the Commercial Hotel, cor. Lake and Dearborn streets, in Chicago, Ill., on Wednesday, Thursday and Friday, Nov. 16, 17 and 18, 1887. Arrangements have been made with the Hotel, for back room, one bed, two persons, \$1.75 per day, each; front room, \$2.00 per day each person. This date occurs during the second week of the Fat Stock Show, when excursion rates will be very low.