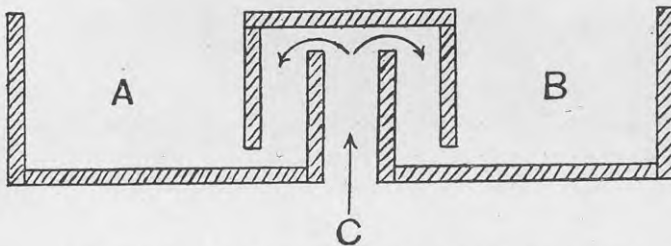


kind occasionally, on account of non-productive seasons, to stimulate brood-rearing or to supply stores for winter consumption. It is always best, of course, to winter bees on sealed combs of good-quality honey. It certainly would not be wise to extract from the combs all the honey and feed sugar syrup as a substitute. This system would be foolish, yet sometimes would be preferable to leaving in the hives a very poor quality of honey, or honey-dew, which would be likely to cause severe losses through dysentery and its attendant evils. The best quality of sugar should be used, such as that bought for household purposes. Experiments have shown that this granulated kind is cheaper in the long-run than inferior qualities. It is not recommended to feed with molasses or sorghum, although some grades give fairly good results, but as a rule they are too stimulative and make the bees restless during winter. The simple method of making the syrup has been explained in a previous issue of the *Journal*.

THE MILLER.

For those who are desirous of supplying a sufficiently large quantity of provisions to last the bees right through the winter the Miller feeder would be the best. It enables about 25 lb. of stores to be fed at one time, which is a distinct advantage when a large quantity of colonies have an insufficient supply. It is made to fit completely



A AND B ARE FEED RESERVOIRS; C IS THE BEE-ENTRANCE.

over the brood-chamber and comes out flush with the super on all four sides, and the cover fits over this. Some are made to slide easily inside a super, and these are in many cases preferable, as they have a double wall to help preserve the heat in the warm syrup. They are made on the liquid-level principle, as the cross-section clearly shows.

THE DOOLITTLE DIVISION-BOARD FEEDER.

This feeder is neither more nor less than a large brood-frame boarded up on each side nearly to the top. Down through the centre runs a partition nearly to the bottom. A hole is bored through the top bar, through which the feed is poured. This method of working is very convenient. The feeder may be placed right