the conditions, the colonies could no longer be compared, and this ended the experiment.

Before such an application of artificial heat can be generally recommended further work should be done, with the conditions more favorable for accurate comparison, and on a more extensive scale. In this case, apparently just enough heat was given, and in such a way as to increase the rearing of brood without causing an abnormal condition of the colony, a much larger amount of surplus honey being thus secured.—Experiment Station Record.

We have tested this same matter a little, and thought that it gave good re-We did it with hot bricks, by placing the hive in a saw dust packing Case, which would keep an even tem-Perature. Have the hive so fixed, that six bricks could be slipped in under it, the bricks just as hot as they could be without setting the boards on fire. Lay down ten or more thicknesses of paper on a board, put on your hot bricks, and fold the paper over them, slip them under the hive from behind, which is banked round with saw dust to keep the heat from escaping. to the trouble of properly preparing the hive, you can make the bees do double the 'you can make the best frooding that they would in the ordinary way, in fact, we have had them so hot, that on frosty nights the bees would cluster out about the en-

We found it most valuable in early queen rearing, as we could build them up so strong in this way, that they but after we got our early queens raised, we found that we had to beat the hive to get the drones to fly out. and although when the weather was cool they would just circle about the hive a short time and return

Now, these two parts of the experibricks worked well, but we had not sufficient to warm up the entire atmosit would be suitable for successful largely on the condition of the atmosphere.

If you require catalogues, circulars, note being, envelopes, or anything in the line of job mining give us an opportunity of estimating.

How to Find a Queen.

G. M. DOOLITTLE.

HEN settled warm weather comes in the Spring, it is necessary that each colony contain a prolific queen, for if the queen in any colony should be old and failing, that colony could not be brought up to a proper condition to work to the best advantage during the honey harvest. As the queen is mother of all the bees in the hive, she must be able to lay rapidly so as to increase the population of the hive, and if such a one is not in the hive she should be superseded with a better queen.

It also often happens, that the queen which the hive contained during the Fall, dies in early spring, and in that case it is absolutely necessary that the bee-keeper knows it, else that colony will perish, for the bees which have been wintered over, rapidly die off with the work which now devolves upon them, for old age is brought upon the bees sooner or later, according to the labor which they perform.

There is no way of knowing to a certainty what is going on inside, except by opening the hive and inspecting the frames. To know if there is a queen in the hive, look closely at the combs, and if no eggs or small larvae are found in the bottom of the cells, at a time when the bees begin to bring in pollen in the Spring, you can reasonably expect that they are queenless, while if the eggs are few and scattered about in different cells, without regularity, the queen is unprolific.

To be absolutely sure that a colony is queenless, take a frame of comb having eggs and little larva in it, and put it in the centre of the supposed queenless colony, leaving it for three days. If queenless, queen-cells will be formed over some of the little larvæ, while if no such cells are started, rest assured that the bees of this hive have something which they are respecting as a queen, and which must be found before a good one can be introduced.

To the accustomed eye of the practical apiar-\
1st, prolific queens are easily found, especially
if the bees are of the Italian race; but a virgin
queen is often hard to find by an expert. The
best time to look for a queen is about 10 o'clock,
on some bright, warm morning, when the most
of the old bees are in the field after pollen and
honey.

Open the hive carefully, taking out the frames slowly, and making sure that you do not hit them against the sides of the hive or anything else, so as to make the bees nervous, thereby setting them to running or stinging. When you