Modern bee keeping is based on this vacancy, for until the Rev. L. L. Langstroth discovered that the bees will till up a space less than \( \frac{1}{2} \) fuch wide with propoles, and build comb in one larger than \( \frac{1}{2} \) inch, a movable frame was impossible. A beesspace then is one that is not less than \( \frac{1}{2} \) inch, \( t \) more than \( \frac{1}{2} \) meh. It is important that this fact be remembered, for it has much to do with practical backening, and is the reason why it is better for the bee keeper to buy factory made goods than to attempt makeshifts of ids own construction,

The inside of . ; frame is filled with was comb, which is made up of an immuor able number of cells, at least 3,000 on each side. In these cells is stored the fixed



Pig. 10.

Examining a Frame.

supply of the colony; in them are laid the eggs from which develop the young bees, the whole time from infancy to maturity being spent in such narrow confines. Then in the cold days of winter, when all activity in the lave practically ceases, when the i. dividual members huddle close together to keep each other warm, each empty cell may be filled with an insect so that no space shall be unoccupied. The interior of a bee hive is a wonderful utilisation of a limited area, down to the minutest detail, and it is hard for most people to realise that in a capacity of about 2 cubic feet as many as 50,660 laces will carry on all the activities of their life, for here is at once a pantry, kitchen, incubator, unracry, living-room and bedroom for them all.