



FIG. 1. SHOWING THE PARTS OF THE NEW MATING-BOX AND HIVE.



FIG. 2. THE NUCLEUS HIVE IN USE BY MR. TRYTHALL AT RUAKURA APIARY.

The clock-faces on each compartment of hive are devised to indicate condition of nuclei when last examined, and thus largely save note-taking. The meanings attached to each hour (which are memorized) are as follows: (1) Empty; (2) query; (3) queen-cell required; (4) queen-cell given; (5) cell refused by bees—own cell built; (6) cell hatched; (7) young queen seen, but not yet laying; (8) no queen—fertile workers present; (9) queen laying—untested; (10) mismated queen; (11) tested queen; (12) more bees or stores required. The minute hand pointing to any one of first thirty minutes indicates respective day of month when last examination made; pointing to any one of second thirty minutes it indicates necessity of examining hive again at that future date. Hands are readjusted at completion of each examination as required.

[Photos by H. Drake.]