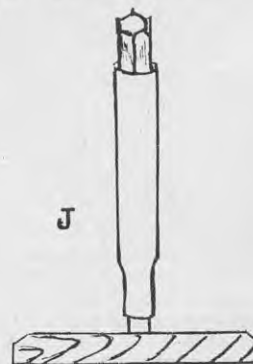
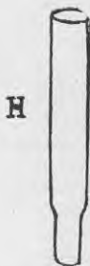
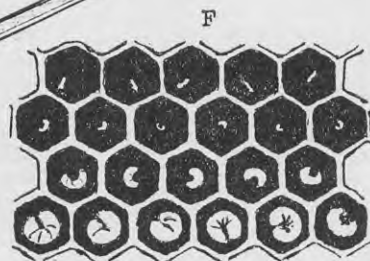
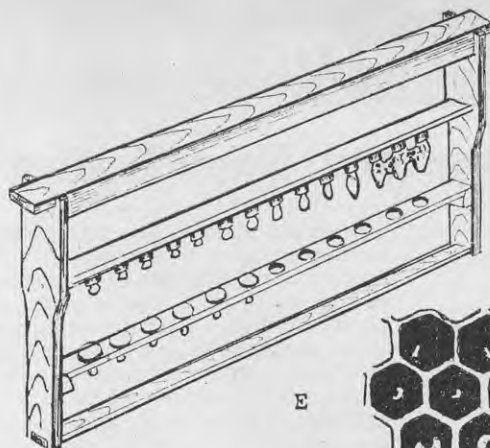


days from the laying of the egg for the young queen to emerge, 10 days after grafting it will be necessary for the beekeeper to make preparations to deal with the finished or ripe queen cells before any hatch out, and a young queen destroys the rest of the batch. A later article will deal with the method of disposing of these ripe queen cells into nuclei.

Instead of leaving the cells to be completed in this colony, some beekeepers prefer to transfer the started cells the next day to what is called a cell-finishing colony. This is a strong two-storeyed hive with the queen down below an excluder, while the top storey contains frames of honey and brood, especially young brood, so as to attract the maximum number of nurse bees to the top super. Into this on the second day after grafting is placed the frame with the two bars of cells. If the manipulations have been successful, there should be from 30 to 35 cells with young larvae being liberally fed to produce queens of good quality.

### Alternative to Grafting

To those beekeepers who find difficulty at first in manipulating the grafting needle the following alternative method may be found most satisfactory. Instead of preparing cell cups and grafting the larvae, the cells containing larvae of the correct age are punched out of the combs by means of a sharp tube such as a .303



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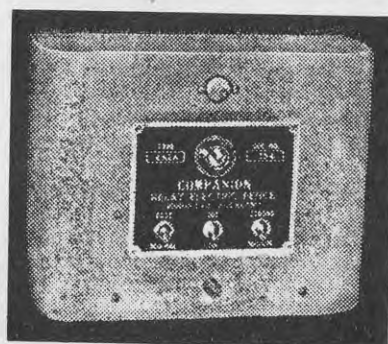
rifle cartridge with the cap end sawn off, as shown in H. I is a wooden stand with a round upright to push the cut cell out of the tube, as shown in J. This cell is then carefully placed in a wooden base or waxed directly on to the cell bars, and from then on handled in the same manner as the grafted cells.

Choose the method that gives you the best results. Considerable experience is required before maximum success can be attained, but once the beekeeper has mastered the technique

of queen rearing he can consider he is well on the road to success as a beekeeper.

C. R. PATERSON, *Apiary Instructor, Hamilton.*

THE growing of cereals for green-feed is comprehensively treated in the Department of Agriculture's new bulletin No. 208, "Cereals for Green-feed," which is available free from offices of the Department at Auckland, Wellington, Christchurch, and Dunedin.



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