

The hive most extensively sold by Messrs E. L. Goold & Co, is the Langstroth, with changes of their own which they consider improvements. As the Langstroth hive has already been described it will not be necessary for me to say anything further of it. I have now sketched all the hives in general use in Canada, and in such a way that I believe any one at all handy with tools could get them up. The question I will next take up will be in the way of

#### HELPS IN HIVEMAKING,

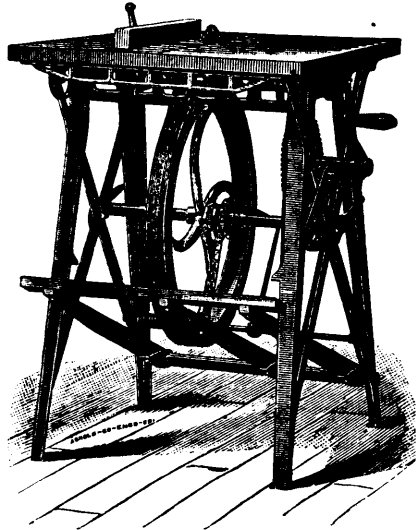
for the amateur. With rough lumber, a saw, planes, square, hammer and nails, hives can be made in a poor sort of way, but where many are wanted, this is too slow and antiquated a process. And the average beekeeper is not likely to give the work sufficient attention to produce a nice accurate job. In the first place the planing, cross-cutting and ripping can be done much more accurately at the nearest factory, and the time and cost of this will be more than counterbalanced by the gain in time of putting together, and the style of workmanship. The frames would much better come from some establishment where the machinery is specially adapted for such work, in fact, for myself were I not in the supply business, I should procure my hives all ready cut from some large supply-dealer whose appliances for work were such as would ensure me good workmanship at a fair price. The hive can be shipped "in the flat" or "knocked down" as the railway companies put it, at low rates, and the price delivered will not be any more than the home-made hives would have cost. But how much more pleasure in putting them together?

Of course with proper machinery even the amateur can do pretty good work, and if the beekeeper has in connection with his business of apiarist, any other avocation where a good set of foot-power machinery could be used to advantage I should by all means recommend it.

#### BARNES' FOOT POWER COMBINED MACHINE.

I do not know of any which I can more confidently advise than the combined machine made by Messrs W. F. & John Barnes of Rockford, Ill. Until

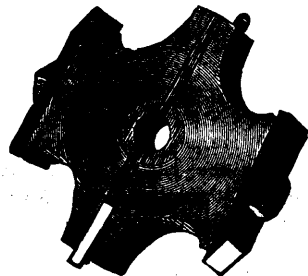
I studied their catalogue I had no idea that it could be turned to so many uses.



BARNES' COMBINED MACHINE.

The combined machine consists of a circular saw, scroll saw and boring attachment. The engraving here given shows the combined machine arranged as a cross cut circular table. By changing the saw to a rip circular and putting on another attachment it will rip lumber of short lengths.

For the boring attachment a sliding table is placed on the regular table; this moves on substantial ways, which carry the material uniformly to the augur or bit. It also has a stop to govern the depth of the hole. The table is adjustable, up and down, and as the work can be run from side to side, between stops, in the usual way, all the adjustments necessary for general use are provided for.



CUTTER HEAD FOR COMBINED MACHINE.

Cutter heads are fitted to use on the saw mandrel for cutting grooves, gains,