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J. E. & J. L. ENYART.

GAGE FOR CUTTING FOUNDATION COMB STARTERS.

APPLICATION FILED SEPT. 28, 1904.

2 SHEETS—SHEET 1.

Fig. 2.

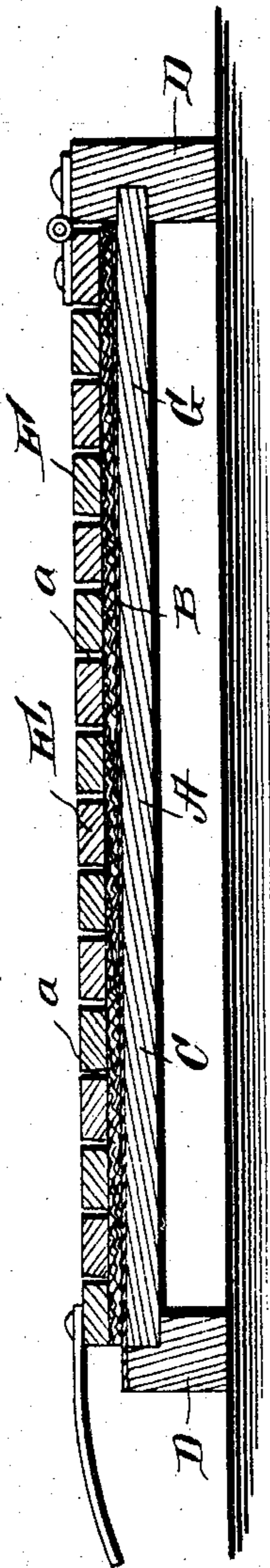
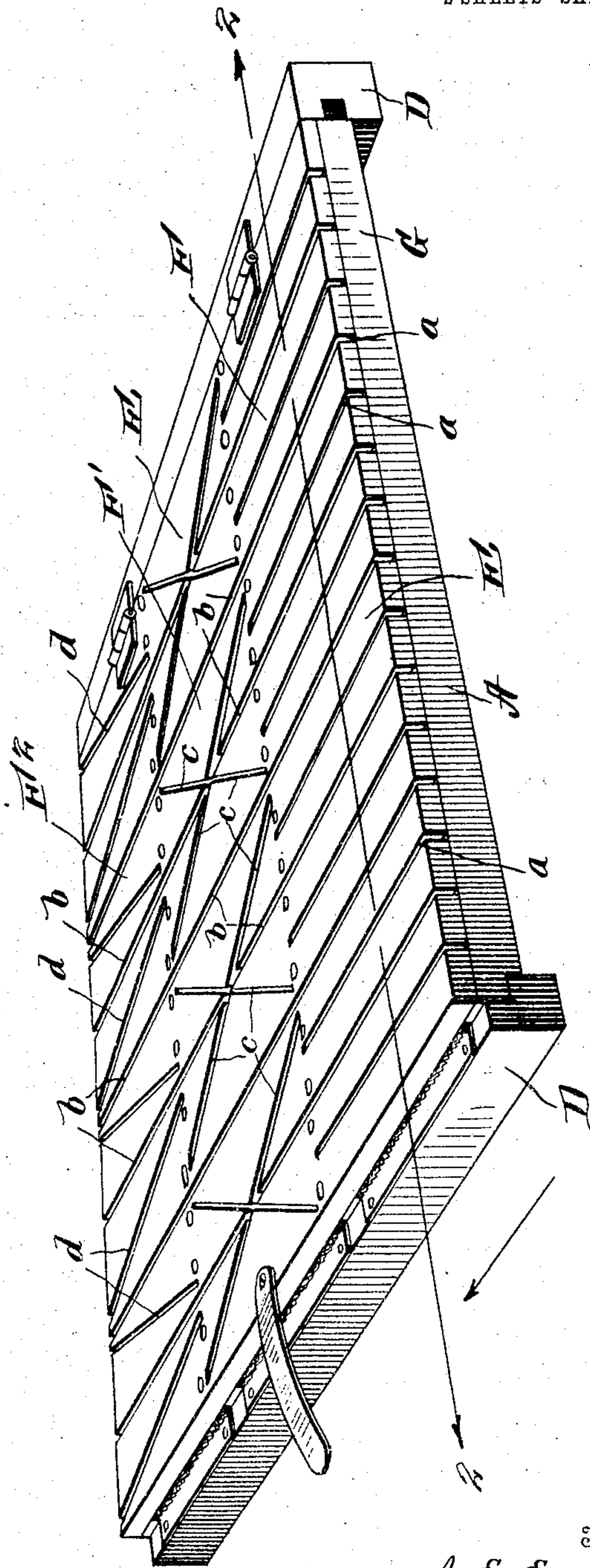


Fig. 1.



Witnesses

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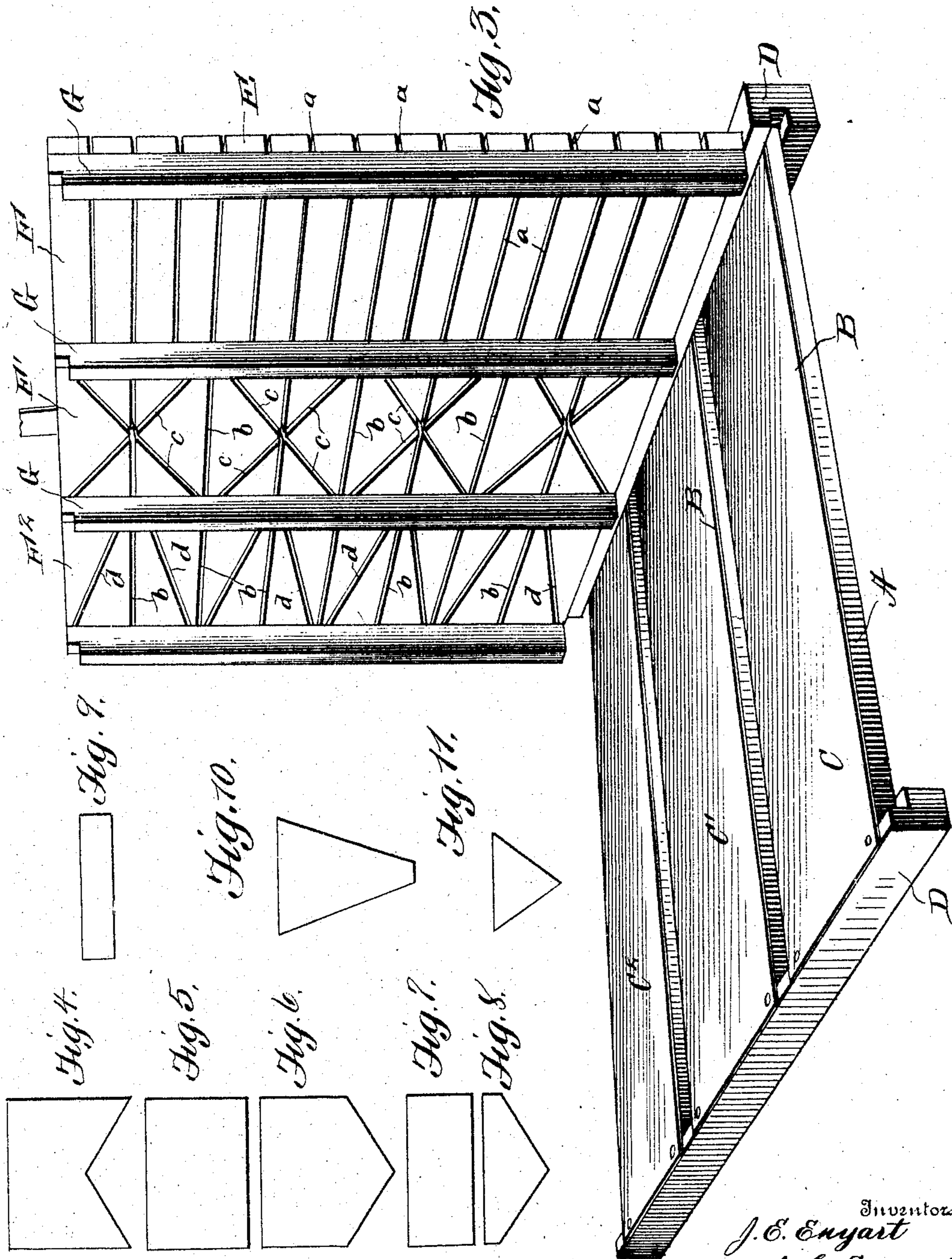
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2 SHEETS—SHEET 2.



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GAGE FOR CUTTING FOUNDATION COMB-STARTERS.

SPECIFICATION forming part of Letters Patent No. 778,233, dated December 27, 1904.

Application filed September 28, 1904. Serial No. 226,407.

To all whom it may concern:

Be it known that we, JAMES E. ENYART and JAMES L. ENYART, citizens of the United States, residing at McFall, in the county of Gentry and State of Missouri, have invented certain new and useful Improvements in Gages for Cutting Foundation Comb-Starters; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in apparatus for use in holding, gaging, and cutting foundation comb-starters; and it has for its object the provision of a simple, inexpensive, and useful device of this character so constructed as to permit of the accurate gaging and cutting of any of the forms of foundation comb-starters that are commonly employed in bee culture, the apparatus being so constructed as to admit of the cutting of a series or large number of combs simultaneously and to insure the accuracy of the starters when cut, both as to uniformity of size and shape.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as will be more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters indicating the same parts throughout the several views, in which—

Figure 1 is a perspective view of an apparatus embodying our invention, the same being shown as closed and in position for use.

Fig. 2 is a vertical section taken upon line 2 2 of Fig. 1. Fig. 3 is a perspective view of the apparatus with the gage-cover raised; and Figs. 4 to 11, respectively, are plan views showing some of the patterns or shapes

of comb-starters that may be cut by the use of the apparatus.

Reference now being had to the details of the drawings by letter, A designates the base portion of the device, and B designates vertical strips extending longitudinally across the base A, forming walls which separate the base into longitudinal spaces C, C', and C², at the ends of which corresponding walls are formed by under strips or timbers D.

E is the gage-cover or top of the device. This gage-cover has hinged connection at one of its edges to the side timber D of the base-frame and is of such form and size as to adapt it when closed to cover the portion of the base intermediate the timbers D. One portion, F, of the cover, which is adapted when the cover is folded downward to cover the compartment or closed space C upon the base portion, is provided with a series of parallel slots *a*. The portion F' of the cover, which when the same is in position for use corresponds with and covers the compartment C' of the base, is provided with a series of parallel transverse slots *b* and also with slots *c*, which extend diagonally across the central portion of the gage-cover, preferably as shown—that is to say, the said slots *c* commence at points at which the horizontal slots *b* terminate and extend diagonally across the central portion of the gage-cover and terminate at slight distances from the next alternating transverse wall. The third portion, F², of the gage-cover is provided with parallel slots *b* and also with slots *d*, which said slots *d* extend diagonally across the portion F², commencing at points adjacent to the points at which each alternating horizontal slot *b* terminates and extending diagonally across to points a short distance from which the next adjacent wall terminates.

The portions F, F', and F² of the gage-cover are separated by strips or walls G, which strips when the cover is folded downward register with the corresponding strips B of the base portion.

While in the drawings we have shown the device as divided into a series of three parallel compartments and the gage-cover provided

with a like number of corresponding spaces and have also shown the gage-cover as provided with a specific arrangement of slots, it will be at once evident that the number of
5 compartments and the particular arrangement of the slots may be varied without departing from the spirit of the invention; but the construction which we have shown and described we have found to be adapted for use in cutting
10 any of the various forms of comb-starters that are commonly employed in bee culture.

The use of the device will be readily understood from the foregoing description of the construction in connection with the drawings.
15 When it is desired to cut comb-starters of any of the various forms, the combs, having first been cut into strips corresponding in form and size with the compartments C, C', and C², are placed within the said compartments, the
20 combs being piled one upon another, and the gage - cover is folded downward, thus embracing or holding firmly in place between the base and cover the pile or series of comb-starters, when by the use of a knife or other suitable
25 cutting instrument having a flat blade adapted to be readily passed through the slots in the cover the pile of combs held beneath the cover may be cut into the desired form.

The combs contained in the pile being held thus firmly against displacement in the process of cutting insures accuracy and enables the operator to cut at one movement through the entire pile held within the compartments operated upon.

Having thus fully described our invention, 35 what we claim as new, and desire to secure by Letters Patent, is—

A gage for cutting foundation comb-starters comprising a base portion having transverse recesses formed therein and spaced apart, a lid 40 having transverse cross-pieces which are designed to engage said recesses when the lid is closed against the base, the ends of said ribs being shouldered and adapted to rest upon the end strips of the base at the ends of said recesses, said lid having slots forming guide- 45 ways for a cutting-knife, as shown and described.

In testimony whereof we hereunto affix our signatures in presence of two witnesses.

JAMES E. ENYART.
JAMES L. ENYART.

Witnesses:

S. L. DAVIS,
C. R. PERSINGER.