

No. 747,055.

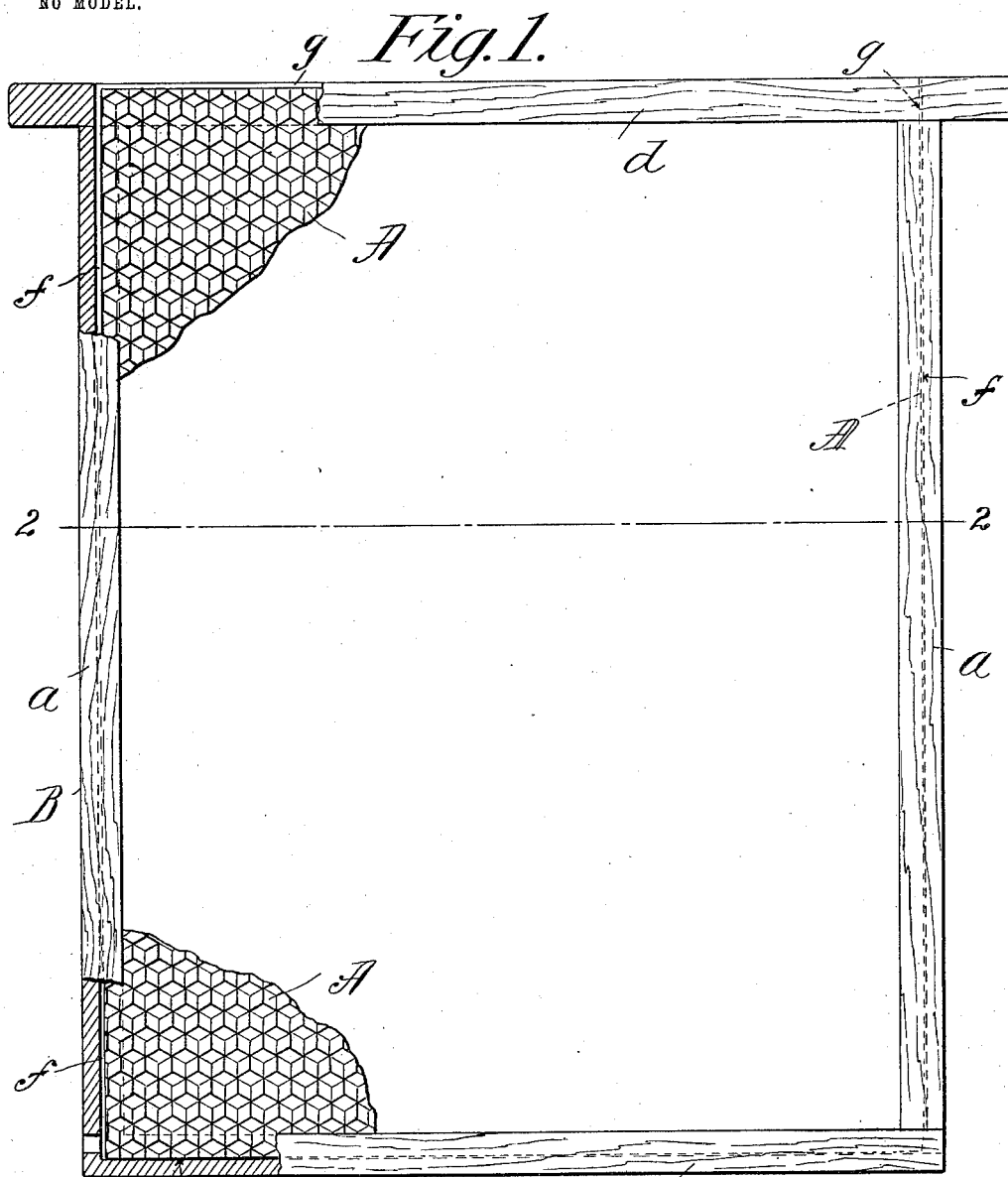
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COMB FOUNDATION FOR BEEHIVES.

APPLICATION FILED APR. 27, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

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COMB-FOUNDATION FOR BEEHIVES.

SPECIFICATION forming part of Letters Patent No. 747,055, dated December 15, 1903.

Application filed April 27, 1903. Serial No. 154,472. (No model.)

To all whom it may concern:

Be it known that I, HUGO A. FELDMANN, a citizen of the United States of America, and a resident of Holyoke, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Comb-Foundations for Beehives, of which the following is a full, clear, and exact description.

This invention relates to an improved honeycomb-foundation for beehives.

As well known at present, the sheet of honeycomb or "foundation" is artificially made of wax in the form of rectangular sheets exactly and nicely fitted within the edges of a light rectangular wooden frame and "soldered" or anchored therein by running in melted wax around the edges of the foundation-sheet, which binds it within the inner walls of the frame. Inasmuch as it is desired to repeatedly use the comb-foundation frame after the wax cellular sheet has been filled with honey by the bees, the filled comb and frame is withdrawn from the hive, the frame is shaken more or less violently, and the honey is in that way shaken therefrom.

The foundation-comb depending for its connection with the frame upon the marginal wax "soldering" is often in the agitation of the frame for the detachment of the comb and honey broken away from the frame, and, again, in such devices the wax foundation-sheet usually soon after being connected in the frame warps or sags and is not maintained flat and conforming to a plane surface.

The object of this invention is to produce a honeycomb-foundation comprising the rectangular frame and comb-sheet, with provision for a more efficient connection of the foundation-comb with the frame, enabling the connection to be more easily made than heretofore, insuring the frame against being broken or distorted in the shaking and honey-removing action, and serving to maintain the honey-sheet more truly flat throughout its whole area than has heretofore been the case in analogous appliances; and the invention consists in the foundation or comb sheet of rectangular form and the receiving-frame therefor having within one end member a groove having grooves within the inner faces of its side members and having a slot through

its other end member extending from near one end to the other of such member, the end portions of which slot match with the grooves in the adjoining side members and all whereby the comb-sheet may be slid through the slot to marginal bearing within the frame along all of its four edges.

The improved foundation is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view in which a portion of the comb-sheet is shown in full lines and the remainder indicated by dotted lines and showing the receiving-frame therefor, the parts of which are broken out and in section. Fig. 2 is a cross-sectional view on line 2 2, Fig. 1.

In the drawings, A represents the comb-foundation, which is understood to be composed of beeswax artificially prepared, the same being in the form of a rectangular sheet. B represents the receiving and supporting frame therefor, comprising the opposite side members *a a*, the inner end member *b*, and the outer end member *d*. The inner end member *b* and both side members *a a* have between their upper and lower surfaces and within their inner walls the grooves *f f*, which extend in straight lines throughout the lengths of the respective members, and the outer end member has the slot *g* in the plane corresponding with that of the grooves, the length of which slot is as great as the distance between the bases or inner walls of the grooves *f f* in the side members, and the thickness of the grooves and slot is sufficient to permit the free entrance therethrough and therewithin of the foundation-sheet of honeycomb A.

As manifest, the foundation-sheet may easily be slid into place, receiving stable support at all of its marginal portions, so that it will remain at all times while receiving its accumulations of honey perfectly flat and even throughout and with an avoidance of hollows or distortions which would divert the bees from their most industrious efforts.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A comb-foundation for beehives consisting of a wax cellular comb-sheet of rectangular

form and a frame having within one end member a groove, the frame having grooves within the inner faces of its opposite side members, and having a slot through its other
5 end member extending from near one end to the other of such member, the end portions of which slot match with the grooves in the adjoining side members, said comb-sheet having marginal supporting engagements in said grooves and slot. 10

Signed by me at Springfield, Massachusetts,
in presence of two subscribing witnesses.

HUGO A. FELDMANN.

Witnesses:

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A. V. LEAHY.