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HONEYCOMB FOUNDATION SUPPORTING MEANS

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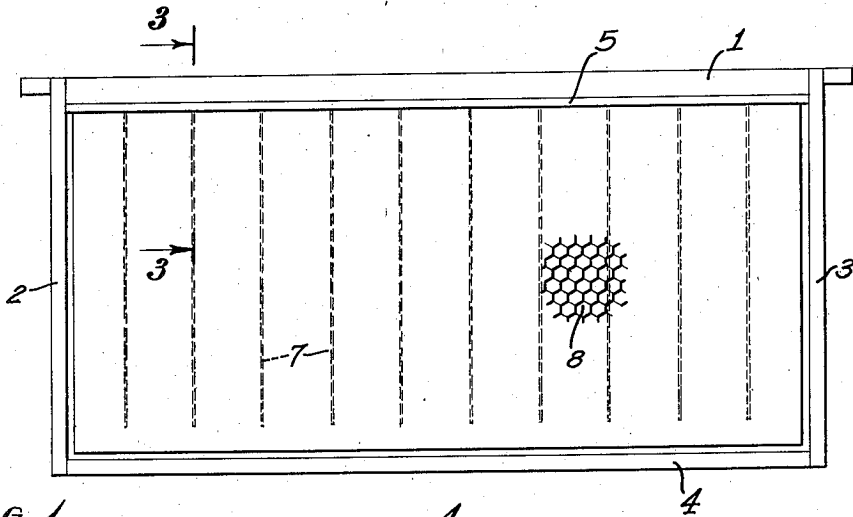


FIG. 1

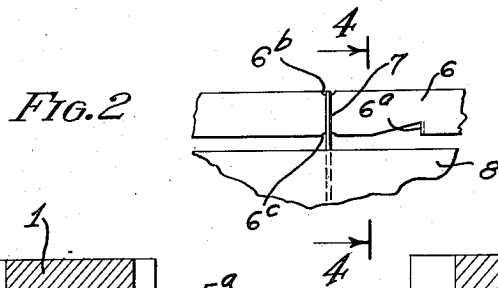


FIG. 2

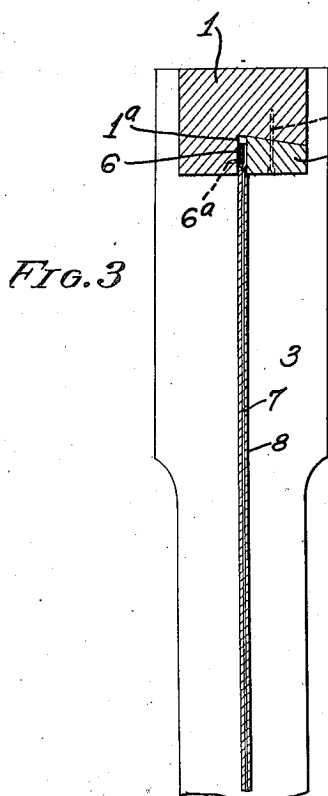


FIG. 3

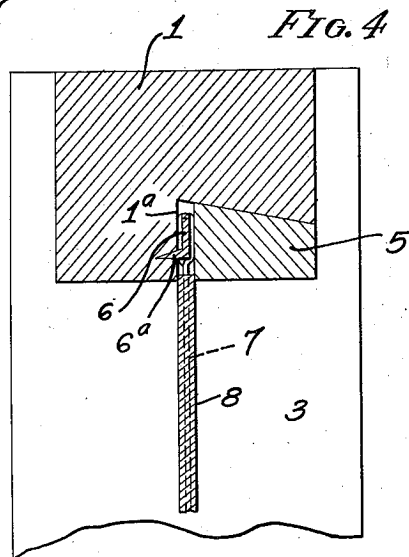


FIG. 4

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# UNITED STATES PATENT OFFICE

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## HONEYCOMB FOUNDATION SUPPORTING MEANS

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6 Claims. (Cl. 6—10)

My invention relates to honeycomb foundation supporting means, and the objects of my invention are:

First, to provide a means for supporting honeycomb foundation in which the comb foundation is suspended in the honeycomb supporting frame from the upper side thereof.

Second, to provide a novel strip for engagement with the upper frame member with wires suspended therefrom for supporting the honeycomb foundation in suspended relation to said upper frame member.

Third, to provide a strip of this class with integral prongs which are readily inserted in the conventional upper frame member for providing suspension means for the honeycomb foundation.

Fourth, to provide a novel way of supporting the vertical reinforcing wires of the honeycomb foundation.

Fifth, to provide a honeycomb foundation supporting means of this class which is applicable to the conventional honeycomb foundation frames now in use without changing.

Sixth, to provide a new and novel honeycomb foundation supporting means.

Seventh, to provide a honeycomb supporting means which is very simple and economical of construction, easy of application, efficient, durable, and sanitary.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination, and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims reference being had to the accompanying drawing and to the characters of reference thereon which form a part of this application in which:

Figure 1 is a side elevational view of a honeycomb foundation supporting frame together with my foundation supporting means assembled in relation and ready for use; Fig. 2 is an enlarged fragmentary view showing a portion of the supporting strip and its connection with the vertical reinforcing wires and a portion of the honeycomb foundation; Fig. 3 is an enlarged fragmentary sectional view from the line 3—3 of Fig. 1 and Fig. 4 is an enlarged sectional view from the line 4—4 of Fig. 2 and showing the frame in assembled relation therewith.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawing.

The upper frame member 1, end frame members 2 and 3, lower frame member 4, filler mem-

ber 5, comb foundation supporting strip 6, comb foundation supporting wires 7, and comb foundation 8 constitute the principal parts and portions of my honeycomb foundation supporting means with the frame in connection therewith.

The upper frame member 1 is of the conventional shape and form of upper frame member for honeycomb support. The frame members 2, 3, and 4 are likewise of conventional form and the filler member 5 is also of conventional form. Applicant, however, has provided a strip 6 which is preferably high carbon steel, from the lower side of which he has punched a plurality of integral pointed prongs 6a which are adapted to be pressed into the vertical side wall portion 1a of the upper frame member 1, shown best in Fig. 4 of the drawing. This strip 6 is also provided with notches 6b and 6c in its upper and lower sides around which is looped the upper ends of the comb foundation supporting wires 7 as shown best in Figs. 2 and 4 of the drawing. These wires 7 are preferably high carbon steel and are suspended in the notches 6b in the member 6 and extend downwardly and the wires are inserted in the comb foundation by the conventional electrical method or otherwise. Therefore, the honeycomb foundation is supported on the strip 6 by means of the vertical wires 7 inserted in the honeycomb foundation. The strip 5, which is of conventional form, is positioned against the outer side of the strip 6 and wires 7 and is secured in position by means of nails 5a in conventional manner.

The operation of my means is as follows: The conventional honeycomb foundation supporting frame is provided, consisting of the members 1, 2, 3, 4, and 5. The comb foundation supporting strip 6 is then provided by providing the prongs 6a and notches 6b and 6c. Then the wires 7 are looped around the strip 6 at the notches 6b and 6c, and the wires inserted in the honeycomb foundation by electrical process or otherwise, the foundation support therefore being the strip 6 and the wires 7 looped end around for suspending the foundation, and these are supplied to the customers who place the strip with the foundation in the frame, the member 5 having been removed if already positioned. The prongs 6a are pressed into the vertical portion 1a of the member 1 until the looped portions of the wires 7 rest against this vertical side. Then the member 5 is placed in position and secured by nails 5a and the means is ready for use as assembled in Fig. 1 of the drawing.

Though I have shown and described a partic-

ular construction, combination, and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination, and arrangement, but desire to include in the scope of my invention the construction, combination, and arrangement substantially as set forth in the appended claims.

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

1. In a honeycomb foundation supporting means, a metallic strip provided with prongs on one side thereof adapted to be pressed into the vertical side portion of a honeycomb foundation upper supporting frame member.

2. In a honeycomb foundation supporting means, a metallic strip provided with prongs on one side thereof adapted to be pressed into the vertical side portion of a honeycomb foundation upper supporting frame member, said strip being provided with notches therein, and honeycomb foundation reinforcing and supporting wires looped around said strip in said notches and being suspended on said strip.

3. In a honeycomb foundation supporting means, a metallic strip provided with prongs on one side thereof adapted to be pressed into the vertical side portion of a honeycomb foundation upper supporting frame member, said strip being provided with notches therein, and honeycomb

foundation reinforcing and supporting wires looped around said strip in said notches and suspended on said strip, and said strip to be positioned on said upper frame member to be covered by the conventional filler strip.

4. In a means of the class described, the combination with a conventional frame for supporting honeycomb foundation, of a strip engageable with the upper frame member of said conventional frame positioned in horizontal position, a plurality of vertical wires suspended from said strip, and honeycomb foundation supported by said vertical suspended wires only.

5. In a honeycomb foundation supporting means, a rectangular open frame including a horizontal upper frame member provided with a central vertical side wall portion, and a strip provided with integral prongs adapted to be inserted into said vertical side wall portion for supporting said strip on said upper frame member.

6. In a honeycomb foundation supporting means, a rectangular open frame including a horizontal upper frame member provided with a central vertical side wall portion, a strip provided with integral prongs adapted to be inserted into said vertical side wall portion for supporting said strip on said upper frame member, and a plurality of vertical wires secured to said strip and extending vertically therefrom.

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