Jan. 15, 1929. 1,699,253

J. ROOT

PRESS FOR SECURING FOUNDATIONS IN HONEY BOXES

Filed Jan. 25. 1928

Fig. 1.

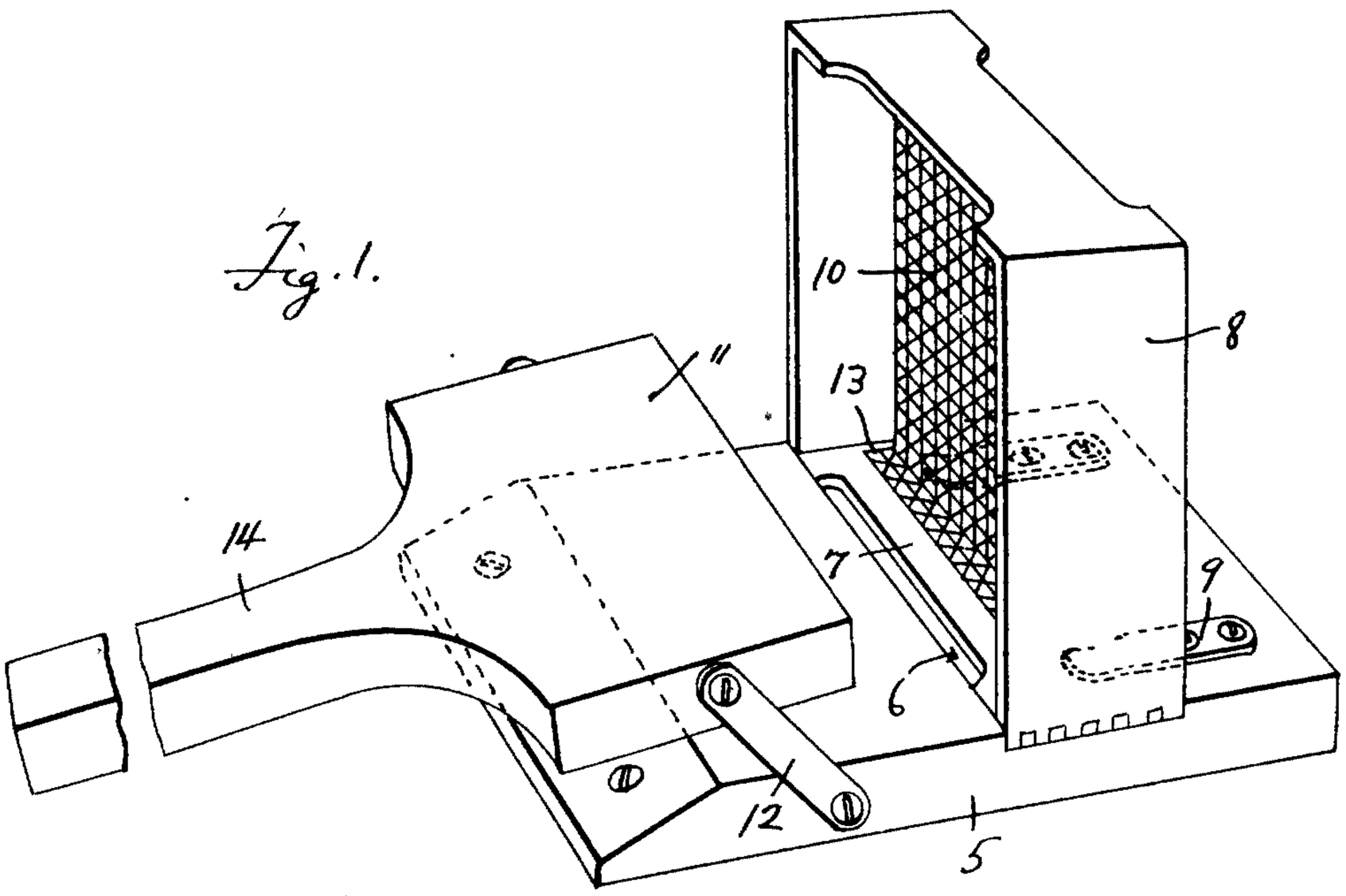
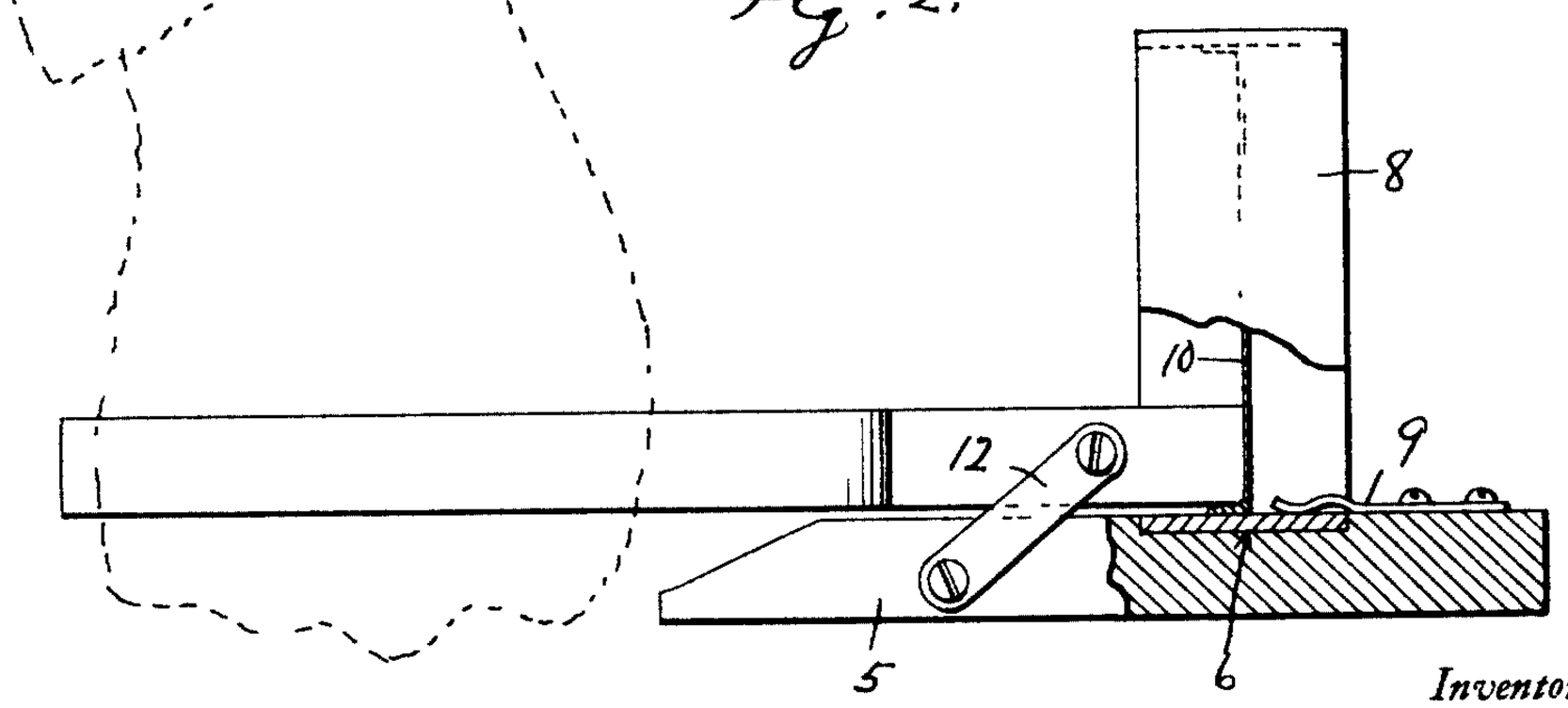


Fig. 2.



Inventor

John. Root

By Clarence A. O'Brien

Attorney

Patented Jan. 15, 1929. 1,699,253

UNITED STATES PATENT OFFICE.

JOHN ROOT, OF GALESBURG, ILLINOIS.

PRESS FOR SECURING FOUNDATIONS IN HONEY BOXES.

Application filed January 25, 1928. Serial No. 249,316.

The present invention relates to the construction of honey boxes used in bee combs and has for an object to provide a press adapted to engage the edges of the foundation whereby to shape the edge of the foundation in conformity with the sides of the box and through its frictional engagement with the walls of the box to secure the foundation therein.

A further object of the invention is to provide a hand operated press of this character of a simple and practical construction, which is efficient and reliable in performance, inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the special construction and combination of the various elements comprising the invention, reference being had to the accompanying drawings forming a part hereof, wherein:

Figure 1 is a perspective view showing a honey box secured upon the press after the foundation has been shaped for fitting within the walls of the box and

Figure 2 is a side elevational view, with parts shown in section illustrating the manner in which the press engages the foundation for shaping the same.

Referring now to the drawing in detail the invention comprises a press formed with a base 5 having a groove 6 extending transversely across the upper surface thereof. Within the groove 6 may be seated the side walls 7 of a rectangular honey box 8 and retained within said groove in a vertically disposed position by means of a pair of spring clips 9 secured to the upper surface of the base with one end thereof extending in overlapping relation with respect to the side wall 7 of the box disposed within the groove. The usual honey foundation 10 is adapted to fit within the walls of the box 8, the sectional foundation being of sufficient length to enable its upper and lower edges to be folded at right angles to the body portion thereof.

A pressure blade 11 is pivotally mounted above the surface of the base 5 arranged at the side of the box 8 opposite from the clip 9, said blade being mounted for movement in a direction toward and away from the box by means of a pair of arms 12 pivotally mounted at one end to the opposite sides of the base 5 and with their other ends similarly attached to the adjacent side edges of the blade 11. The edge of the blade adjacent the box 8 is formed at right angles to the sides thereof and adapted to be introduced between the opposite sides of the box 8 during its forward movement so that the lower edge of the blade 11 will engage folded end 13 of the foundation in a manner enabling the blade to press the same against the inner face of the side 7 of the box disposed within the groove 6. The end of the blade 11 disposed away from the box 8 is provided with a handle 14 enabling the same to be operated in a manner as clearly illustrated in Figure 2 of the drawing.

From the foregoing it will be apparent that the end 13 of the foundation may be pressed firmly against the inner face of the side members of the box 8, the frictional contact between such end of the foundation and the sides of the box serving to adequately retain the foundation in position within the walls of the box.

The box 8 may be easily and quickly removed from the groove 6 in the base and any of the other side members of the box arranged in opposite position therein enabling the lowermost edge of the foundation to be pressed thereagainst, although in practice it has been found sufficient to press only two of the opposite edges of the foundation in this manner in order to provide a sufficient securing means for the foundation within the box.

It is obvious that the invention is susceptible of various changes and modifications, without departing from the spirit or scope of the invention or sacrificing any of its advantages, and I accordingly claim all such forms of the device to which I am entitled.

Having thus described my invention, what I claim as new is:

1. In a device of the class described comprising a base having a groove formed transversely in the upper surface thereof and adapted to receive one side of a honey box when disposed in vertical position with respect to the base, clips carried by the base removably securing the box in position in the groove, said box being adapted to have a bee comb foundation fitted within the walls thereof and a press movable between the walls of the box and engageable with an edge of said foundation in a manner for pressing said edge at right angles to the foundation against the inner face of one wall of the box.

2. In a device of the class described com-

prising a base having a groove formed transversely in the upper surface thereof and adapted to receive one of the walls of a honey box for supporting the same in vertical extended position, clips carried by the base releasably retaining the box in position, said box being adapted to have a bee comb foundation fitted within its walls and a manually operated presser blade pivotally mounted on the base and movable into and out of position between the walls of the box with its inner end engageable with an edge of the foundation whereby to press the same at right angles against the inner face of the wall of the box disposed in said groove.

In testimony whereof I affix my signature.

JOHN ROOT.