

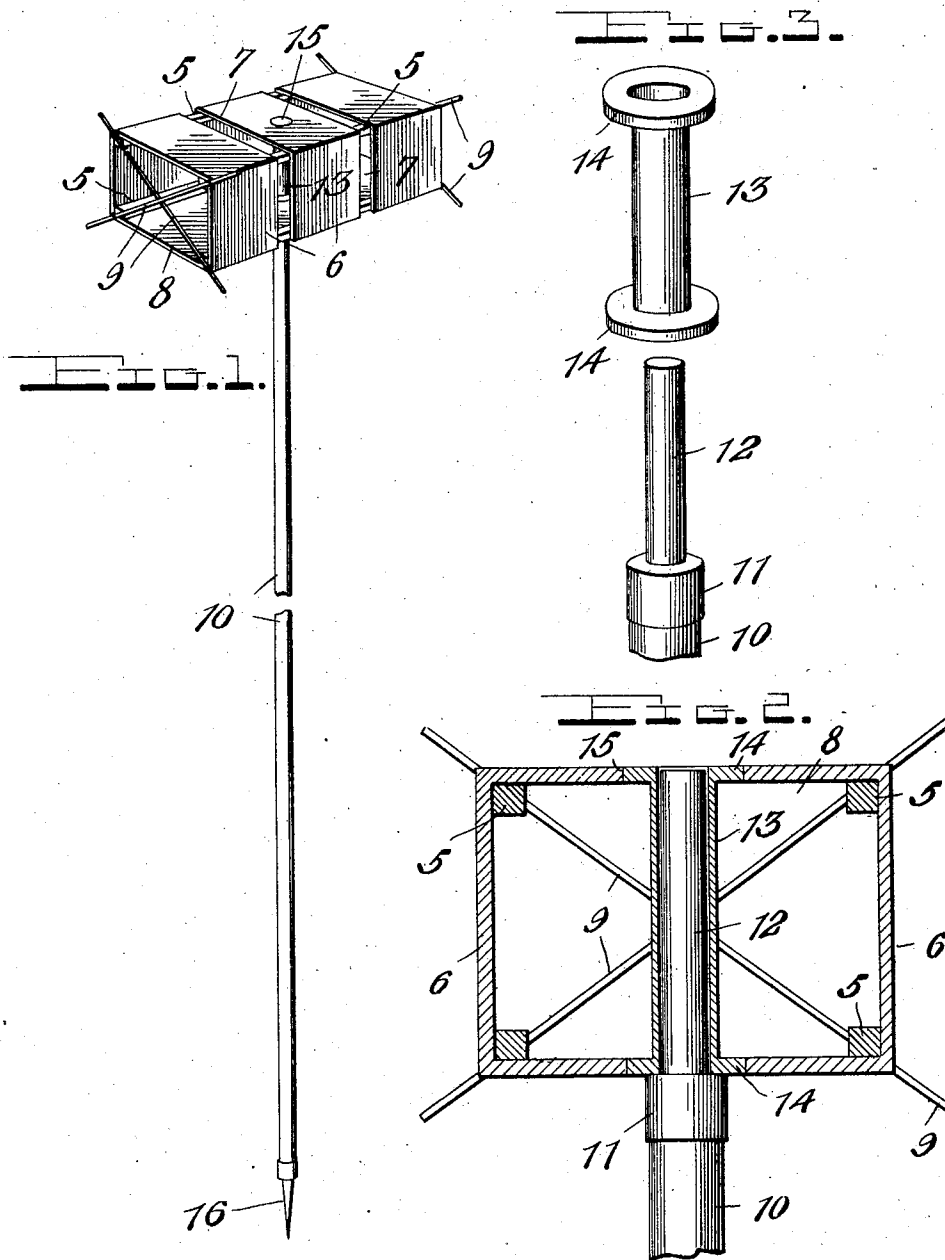
Z. A. ROBERTS & J. D. HARTWICK.

DEVICE FOR HIVING BEES.

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973,702.

Patented Oct. 25, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

ZACHARIAH A. ROBERTS AND JOHN D. HARTWICK, OF CARROLLTON, ILLINOIS.

DEVICE FOR HIVING BEES.

973,702.

Specification of Letters Patent.

Patented Oct. 25, 1910.

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To all whom it may concern:

Be it known that we, ZACHARIAH A. ROBERTS and JOHN D. HARTWICK, citizens of the United States, residing at Carrollton, in the county of Greene and State of Illinois, have invented certain new and useful Improvements in Devices for Hiving Bees, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in devices for hiving bees and has for its object to provide a simple, practical and inexpensive device of this character whereby bees that swarm in trees or other high places may be easily and quickly hived.

Another object resides in the provision of a box supporting standard, and means for arranging the box upon the upper end of said standard whereby all danger of injury to the bees when the box is removed therefrom is eliminated.

With these and other objects in view, the invention consists of the novel features of construction and the combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of our improved hiving device showing the same arranged in position for use; Fig. 2 is an enlarged sectional view, showing the means for mounting the hiving box; and Fig. 3 is a detail perspective view of the upper end of the supporting standard and the tubular post carried by the box.

Referring more particularly to the drawings 5 indicates the four corner bars which form the frame of the hiving box. These bars are arranged in parallel relation and the sides of the box are secured thereto, said box being rectangular in cross section. The four sides of the box each comprises a plurality of sections 6, the opposed edges of which are spaced, as shown at 7, whereby entrance openings are provided through which the bees may enter. The frame bars 5, it will be noted, are disposed within the sides of the box, said sides being secured to the outer edges of the bars. The ends of the box are preferably left open, as shown at 8, and intersecting wires 9 are secured to said ends, each of said wires extending diagonally between and beyond the opposite

upper and lower corners of the box and are secured to the ends of the frame bars 5 by suitable staples or other fastening means. These wires provide convenient handles by means of which the box may be conveyed to the hive and arranged in position for the bees to enter the same.

The hiving box is adapted to be arranged upon the upper end of a standard 10. This standard may be of any desired length and is preferably cylindrical in form. A metallic sleeve 11 is secured upon the upper end of the standard and is formed with a longitudinally extending rod 12. A tubular post 13 is centrally arranged within the hiving box. As will be noted upon reference to Fig. 3, this post is formed upon its ends with the annular flanges 14. These annular flanges are adapted to be securely fixed in the openings 15 centrally formed in the opposed box sections 6 between which the post is arranged. The lower end of the cylindrical standard 10 is also provided with a metallic sleeve which carries a longitudinally extending spur 16 adapted to be embedded in the ground to support the hiving box in position whereby the same may be prevented from slipping.

In the use of the device, the box is arranged upon the upper end of the standard by inserting the rod 12 carried thereby into the tubular post 13. After the bees have been gathered into the box through the openings 7 in the ends thereof, the extending end portions of the intersecting rods 9 upon one side of the box may be grasped and the box lifted from the upper end of the standard 10. Owing to the tubular post 13 in which the rod carried on the end of the standard is disposed, it will be obvious that the box may be removed without disturbing the bees in any manner, and all liability of injury to them and especially the queen bees is thereby obviated.

From the foregoing it will be seen that we have devised a very simple, practical and inexpensive device by means of which the swarming bees may be quickly hived. In the use of similar devices as heretofore constructed, many of the honey producing queen bees were killed and considerable loss thus entailed. By means of the device above described, however, this defect in the construction of such devices has been en-

tirely overcome and the bees may be gathered into the hives quickly and easily without danger of incurring such losses.

While we have particularly shown and described the preferred construction of our improved hiving device, it will be understood that the same is susceptible of various minor modifications without departing from the essential features or sacrificing any of the advantages thereof.

Having thus described the invention what is claimed is:

1. A device of the character described comprising a box structure, the sides of said box being formed in sections having their opposed edges separated, handles secured to the ends of said box, a tubular post centrally arranged in the box and secured in the opposite sides thereof, and a supporting standard adapted to be received in said tubular post, substantially as and for the purpose set forth.

2. A device of the character described comprising a rectangular box, the sides of said box being formed of a plurality of separated sections, handles extending beyond the corners of said box, a tubular post centrally arranged within said box and having its ends secured in the opposed sides thereof, and a standard adapted to be received within said tubular post, substantially as and for the purpose set forth.

3. A device of the character described comprising a rectangular open ended box, handles secured to said box, a tubular post centrally arranged in said box and secured upon the opposite sides thereof and a standard having a spindle secured to its upper end adapted to be received within said post, substantially as and for the purpose set forth.

4. A device of the character described comprising a rectangular open ended box structure, the sides of said box being formed of a plurality of sections having their opposed edges separated, handles extending outwardly from each corner of the box, a tubular post centrally arranged in the box and formed with a flange on each end thereof, said flanges being fixed in the opposed box sections, and a supporting standard having a spindle secured to its upper end

adapted to be received within said post, substantially as and for the purpose set forth.

5. A device of the character described comprising an open ended box structure, diagonally extending intersecting wires secured to the ends of said box and extending beyond the corners thereof to form handles, a tubular post centrally arranged within the box and having an annular flange formed on each end thereof fixed in the opposed sides of the box, and a standard provided with a longitudinally extending spindle on one end adapted to be received within said post, substantially as and for the purpose set forth.

6. A device of the character described comprising a rectangular box structure, the sides of said box structure being formed with a plurality of sections having their opposed edges spaced from each other, handles secured to each end of said box, in combination with a supporting standard and means arranged within said box and secured in the opposed sides thereof to receive the upper end of said standard, substantially as and for the purpose set forth.

7. A device of the character described comprising a rectangular open ended box structure, each side of said box consisting of a plurality of sections having their opposed edges spaced, diagonally extending intersecting wires secured to the corners of each end of said box and extending beyond the same, in combination with a supporting standard having a spindle secured at one end, a tubular post centrally arranged within the box and secured in the opposed sides thereof, said post being adapted to receive the spindle on said standard, and a spur secured to the other end of said standard, substantially as and for the purpose set forth.

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

ZACHARIAH A. ROBERTS.
JOHN D. HARTWICK.

Witnesses:

FRANK VIVELL,
FRANK E. SIMONDS.