

G. W. WRIGHT.
 DEVICE FOR WIRING BEEHIVE FRAMES.
 APPLICATION FILED MAR. 16, 1916.

1,191,052.

Patented July 11, 1916.

Fig. 1.

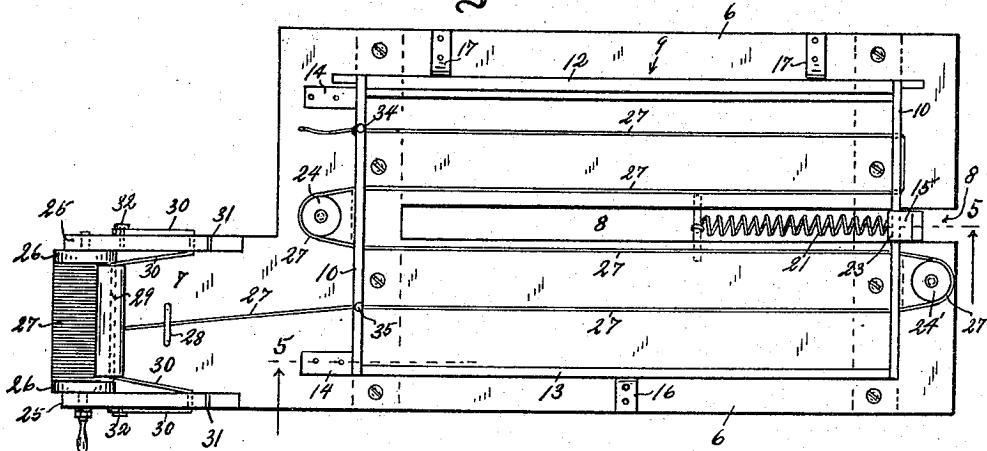


Fig. 2.

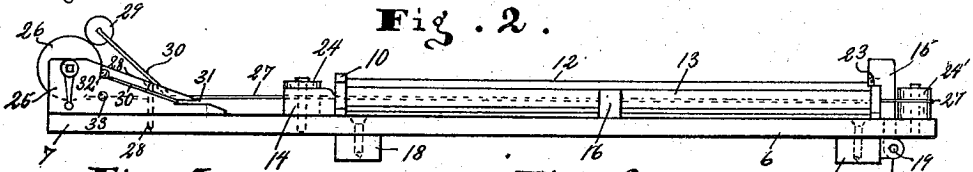


Fig. 4.

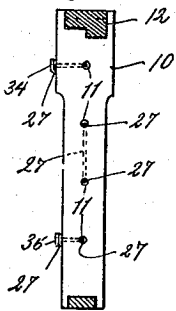


Fig. 3.

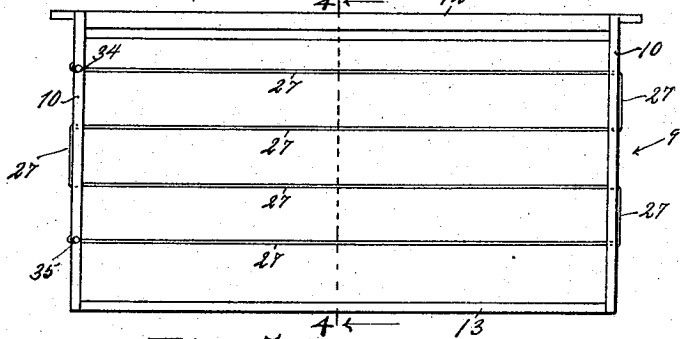
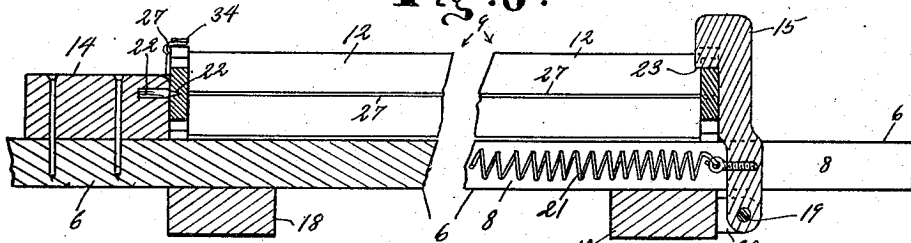


Fig. 5.



Witness:
 W. M. Gentle.

Inventor.
 George W. Wright
 By
 Alex. H. Lidson
 Attorney.

UNITED STATES PATENT OFFICE.

GEORGE W. WRIGHT, OF AZUZA, CALIFORNIA.

DEVICE FOR WIRING BEEHIVE-FRAMES.

1,191,052.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE W. WRIGHT, a citizen of the United States of America, residing at Azuza, county of Los Angeles, State of California, have invented a certain new and useful Device for Wiring Beehive-Frames; and I do hereby 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.

This invention relates to a novel and improved device for wiring beehive frames, and it may be said to consist in the provision of the novel and advantageous features and in the novel and improved construction, arrangement, and combination of parts as will be apparent from the description and claims which follow hereinafter.

The main object of the invention is the provision of a novel and improved device which can be used to greatly facilitate and expedite the wiring of beehive frames.

Further objects of the invention are to provide a novel and improved device of the character specified, which is simple in construction, strong and durable, economical to manufacture and use, easy to operate and convenient to use, and generally effective for its purpose.

Other objects and the advantages of the invention will be apparent to those skilled in the art from a careful consideration of the following description of the preferred form of construction embodying the invention, taken in connection with the accompanying drawings in which—

Figure 1 is a plan view of the device with the beehive frame mounted thereon; Fig. 2 is an elevational view of the same; Fig. 3 is a view showing a beehive frame in the wired condition; Fig. 4 is a sectional view taken on the line 4—4 of Fig. 3; and Fig. 5 is an enlarged broken sectional view taken on the line 5—5 of Fig. 1.

Referring to the drawings, the board, table or platform 6 is provided with an extension 7 on one end and with a slot 8 in the other end portion thereof. On the board 6 is arranged suitable means for holding in position on the board the beehive frame 9. The latter may be of the usual construction and consists of the end bars 10 having spaced openings 11 therein, the top bar 12, and the bar 13 connected between the lower ends of the bars 10.

The means for holding the beehive frame 9 preferably consists of the spaced shoulders or abutments 14 arranged at one end of the board 6, the catch 15 arranged at the other end of the board 6, the shoulder or abutment 16 arranged at the front of the board 6, and the abutments 17 which are arranged at the rear of the board 6. The latter may be provided with cross-pieces 18 suitably secured to its underside to support it in raised position. The catch 15 extends through the slot 8 and has the lower part thereof mounted on the pivot 19 between the ears 20 on one of the crosspieces 18, and a tension spring 21 is arranged in the slot 8 and is suitably connected to the catch 15 and to the board 6. The upper edges of the abutments 14, 16 and 17 are preferably rounded or chamfered so that the frame 9 can easily be slipped down to position between said abutments. To hold down the frame 9 in position on the board 6, the abutments 14 are preferably provided with pointed projections 22 adapted to engage one of the end bars 10, and the catch 15 is provided at its upper end with a projection 23 which is adapted to extend over the other of the end bars 10. At the ends of the board 6 are suitably arranged the rollers 24 and 24'. On the extension 7 are provided the upright projections 25 on which is rotatably mounted the spool or reel 26 having wound thereon the comparatively light and flexible wire 27 which passes through a guide 28 suitably arranged on the table 6. The rotation of the reel 26 may be retarded by any suitable means—that shown in this instance consisting of the roller 29 which is pressed against the reel 26 by the spring 30. The roller 29 is preferably mounted on the central portion of the spring 30 and the latter has its end portions passing through the slits 31 in the upright projections 25, and bearing against one or the other of the projections 32 and 33 on the sides of the upright projections 25. As is well known, beehive frames are wired to have the wire support the comb foundation. In the use of the devices described it will be understood that the frame 9 is placed and held on the board 6 by moving the frame 9 sidewise against the catch 15, then moving the frame 9 into engagement with the pointed projections 22, and allowing the catch 15 to swing back over the frame 9. Then the wire 27 is passed through the openings 11 adjacent to the bar 13 and

around the roller 24', then the wire is passed through the next adjacent openings 11 and around the roller 24 and then through the remaining openings 11 as seen in Fig. 1. 5 Then the free end portion of the wire is secured by looping it on the tack 34, and the wire is slipped off of the rollers 24 and 24' and then pulled tight on the frame 9 and looped on the tack 35 and then cut or broken 10 near the tack 35, see Fig. 3. The frame 9 is quickly released from the table 6 by moving the frame 9 against the catch 15 thus disengaging the frame 9 from the pointed projections 22 so that the frame 9 can be 15 lifted away from the table 6.

The construction which has been particularly illustrated and described admits of changes and modifications—wherefore the right is reserved to all such changes and 20 modifications as do not depart from the spirit and scope of the invention which is defined in the appended claims.

I claim:

25 1. A device for wiring a beehive frame, comprising the combination of a board provided with an extension on one end thereof and with a slot in the other end portion

thereof, a wire-carrying reel arranged on the extension, abutments having pointed projections thereon and arranged at one end of 30 the board, a pivotally mounted catch arranged at the other end of the board and extending through the slot, a spring connected to the catch and to the board, abutments arranged on the front and rear parts of the 35 board, and rollers arranged at the ends of the board, substantially as described.

2. A device for wiring a beehive, comprising the combination of a board, abutments having pointed projections thereon 40 and arranged at one end of the board, a pivotally mounted catch arranged at the other end of the board, a spring connected to the catch and to the board, abutments arranged on the front and rear parts of the board, a 45 wire-carrying reel arranged on the board, and rollers arranged at the ends of the board.

In testimony whereof, I have signed my name to this specification at Glendora, 50 county of Los Angeles, State of California, this 3rd day of March A. D. 1916.

GEORGE W. WRIGHT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."