(No Model.)

J. J. SCHMIDT & C. A. JONSON.

ADJUSTABLE FAN SUPPORTING BRACKET.

No. 421,146. Patented Feb. 11, 1890.

Fig. 1.

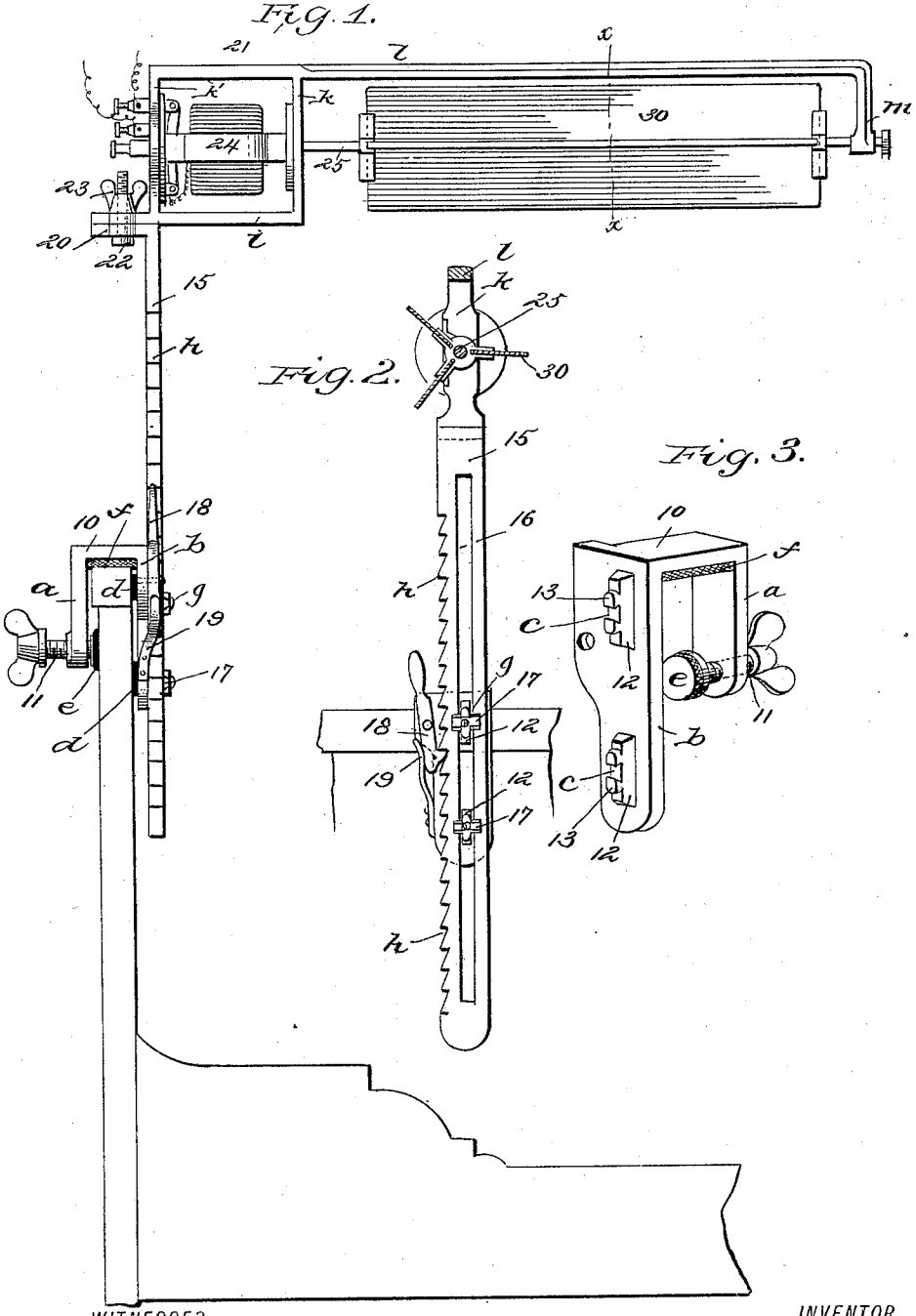


Fig. 2.

Fig. 3.

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ADJUSTABLE FAN-SUPPORTING BRACKET.

SPECIFICATION forming part of Letters Patent No. 421,146, dated February 11, 1890.

Application filed February 19, 1889. Serial No. 300,404. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH J. SCHMIDT, of Jamaica, in the county of Queens and State of New York, and CARLES A. JONSON, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Adjustable Fan-Supporting Bracket, of which the following is a full, clear, and exact description.

The object of our invention is to provide an adjustable fan-support, and one wherein the parts shall be so constructed and arranged that the fan-supporting-frame may be folded back out of the way when the fan is not in use.

The invention consists in the particular construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a side view of our adjustable fan-supporting bracket, representing the same as it appears when arranged for connection with a bedstead, the fan being represented as it would appear when arranged to be driven by an electric motor. Fig. 2 is a cross-sectional view taken on line $x\ x$ of Fig. 1, and Fig. 3 is a perspective view of the clamp.

In the drawings, 10 represents a clamp formed with an arm a, which carries a set-screw 11, and with an opposing arm b, formed with outwardly-extending lugs 12, which said lugs have projections 13, formed with dovetail recesses c. Upon the arm b of the clamp 10 there are placed rubber or leather cushions d, a similar cushion e being secured to the end of the set-screw 11, and another cushion f, secured as shown in Figs. 1 and 3, these cushions serving as protectors for the article of furniture to which the clamp is secured.

In connection with the clamp 10 we employ a standard 15, that is formed with a longitudinal slot 16, adapted to receive the lugs 12, the projections 13 extending beyond the outer side face of the standard, there to receive keys 17, which said keys are fitted in the dovetail grooves c and held to place by screws g, the keys overlapping the outer face of the standard and serving to hold such standard against the face of the clamp-arm b. Upon one edge of the standard we form a series of teeth h, which said teeth are engaged by a pawl 18, that is pivotally mounted upon the clamp-arm b, said pawl being held in engagement with the teeth by a spring 19. At the upper end of the standard 15 there is a horizontal table 20, which serves as the support for a frame 21, the frame being held to the table by a bolt 22 and a thumb-nut 23, the arrangement being such that the frame may be adjusted to the position in which it is shown in the drawings, or by loosening the thumb-nut may be swung around to a position at right angles or at any required angle to the position in which it is shown. The frame 21 consists, preferably, of a short horizontal arm i, vertical arms k and k', and an upper horizontal arm l, said arm l being supported by the arms $k\ k'$ and being provided with a downwardly-extending projection m. In proper bearings carried by the arms k and k' there is journaled an electric motor 24, and upon the forwardly-extending shaft 25 of this motor there is mounted a fan 30, the extending end of the shaft 25 being journaled in a bearing carried by the support m. Such, in general, is our improved adjustable fan-supporting bracket.

In operation the clamp 10 may be connected to a bedstead, as indicated in Fig. 1, and the standard 15 may be moved to such height as may be required, being held in the position to which it is adjusted by means of the pawl 18. When it is desired to use the fan, the frame 21 is extended to the position in which it is shown in the drawings and there clamped to place by tightening the thumb-nut 23. When the bed is to be made, or when it is desired to fold the fan so that it will be out of the way, the thumb-nut is loosened and the frame 21 turned so that it will extend at right angles to the length of the bed.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination, with a clamp provided with guide-lugs and a spring-pressed pawl, of a standard slotted to receive the lugs and provided with a rack with which the said pawl engages, and a fan-carrying frame pivotally secured to the upper end of the standard, substantially as herein shown and described.

2. The combination, with a fan-supporting frame and a slotted standard secured to said frame, of a clamp provided with outwardly-extending lugs having dovetail recesses, and keys for entering the recesses, substantially as described.

3. The combination, with a fan-supporting frame and a slotted standard having teeth on one edge and secured to the said frame, of a clamp provided with lugs having recesses, keys fitting in said recesses, and a spring-pressed pawl pivoted to the clamp, substantially as herein shown and described.

4. The combination, with the clamp 10 and the standard 15, adjustably secured to the clamp and provided with the table 20, of the frame 21, formed of the horizontal arms *i l* and the vertical arms *k k'*, the arm *l* being of greater length than the arm *i* and provided with the downwardly-extending projection *m*, and the bolt and nut 22 and 23, for securing the frame to the standard, substantially as herein shown and described.

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