E. R. WINSLOW.

VENTILATING FAN SUPPORT.

APPLICATION FILED DEC. 4, 1917.

1,329,816. Patented Feb. 3, 1920.

Fig. 1.

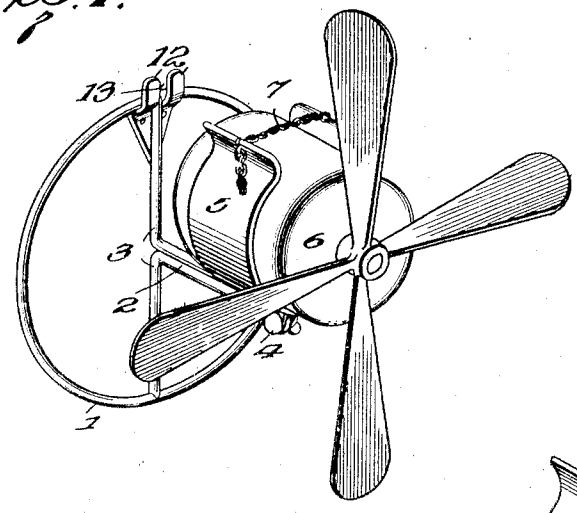
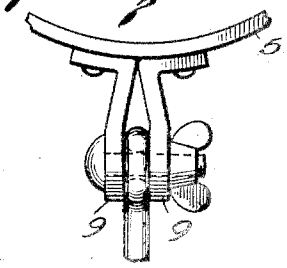



Fig. 4.



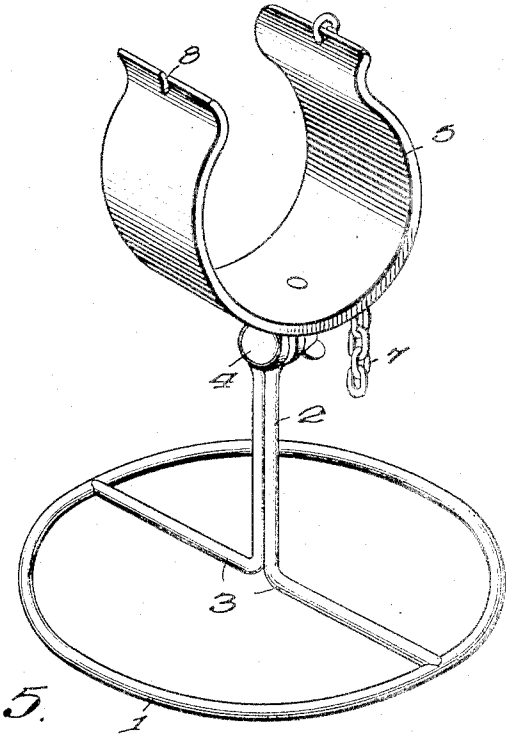




Fig. 2.

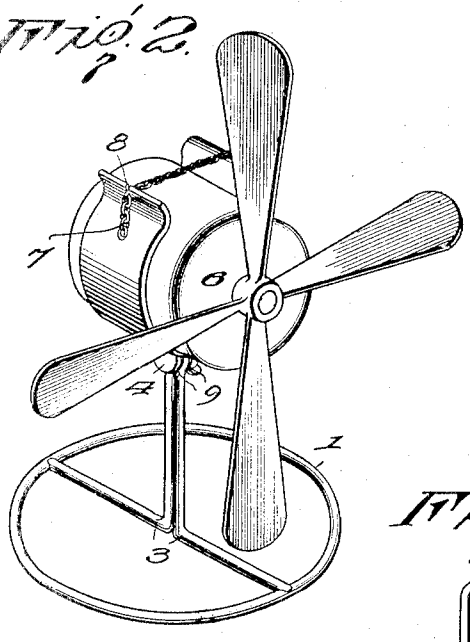



Fig. 5.

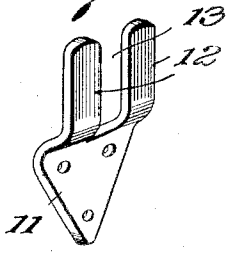



Fig. 3.

Witness

Inventor

Elbert R. Winslow

By

Attorney

# UNITED STATES PATENT OFFICE.

ELBERT R. WINSLOW, OF MAYWOOD, ILLINOIS.

## VENTILATING-FAN SUPPORT.

1,329,816. Specification of Letters Patent. Patented Feb. 3, 1920.

Application filed December 4, 1917. Serial No. 205,370.

*To all whom it may concern:*

Be it known that I, ELBERT R. WINSLOW, a citizen of the United States, residing at Maywood, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ventilating-Fan Supports, of which the following is a specification.

The purpose of this invention is the provision of means whereby any ventilating fan motor may be utilized as a wall or a stand ventilating fan and adjusted to any angle with reference to the horizontal in either adapted use.

The invention provides simple supporting means susceptible of both uses and readily adjustable to angularly position the fan as may be required to obtain the best results.

The invention consists of a base, an arm projecting from the base, a holder for receiving the fan motor, means for securing the motor to the holder and other means for securing the holder to the arm in the required adjusted angular position.

The invention also consists of a clip attached to a wall, window, or door facing or analogous support to receive the fan motor supporting means, whereby to adapt the ventilating fan as a bracket or a wall fan.

The invention furthermore consists of the novel features and details of construction which hereinafter will be more fully described and claimed.

In the drawing—

Figure 1 is a perspective view showing the invention adapted for use as a wall or bracket fan;

Fig. 2 is a perspective view showing the invention adapted for use as a table or stand fan;

Fig. 3 is a perspective view of the support;

Fig. 4 is a detail view of the joint between the holder and the supporting arm;

Fig. 5 is a detail view of the wall clip.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawing by like reference characters. The fan motor support comprises a base 1 and an arm 2 projecting from the base and having connection therewith in any way. While the base 1 may be of any construction, it is shown as consisting of a ring. The arm 2 may be of any formation and secured to the base in any manner. As indicated in the drawing, a brace 3 forms connecting means between the arm 2 and the base, such brace comprising corresponding parts which project in opposite directions from the arm and which may be soldered, brazed or made fast in any manner at their outer ends to the base. In the preferred construction, the arm 2 and brace 3 constitute parts of a rod or bar which is doubled upon itself and has its end portions bent to project in opposite directions. An eye is formed at the fold or bite of the rod or bar and is disposed at the outer end of the arm 2 and is adapted to receive the pivot fastening 4 by means of which the holder 5 is adjustably secured to the arm.

The holder 5 is substantially of U-form so as to receive the fan motor 6. The extremities of the holder 5 are flared to facilitate the entrance of the fan motor 6 into the holder when placing such motor in position. The holder 5 is resilient and automatically grips the fan motor after the latter has been pressed between the flared extremities of the holder. To secure the fan motor in position and prevent accidental displacement thereof from the holder, a chain 7 or analogous connection is attached at one end to an extremity of the holder 5 and its opposite end portion is adapted to engage a notch 8 formed in the opposite extremity of the holder, said notch engaging a link of the chain after the latter has been properly engaged with the notch.

Ears 9 project outwardly from the closed end of the holder 5 and are adapted to embrace opposite sides of the terminal portion of the arm 2 and said ears are transversely pierced to receive the pivot fastening 4 which passes through the eye provided at the outer end of the arm 2 in the manner hereinbefore stated. The pivot fastening 4 preferably consists of a bolt and its threaded end receives a thumb nut 10 which provides for drawing the ears 9 together so as to bind against opposite sides of the arm 2 and secure the holder 5 in the required angular position.

A wall clip adapted to be secured to a wall, the facing of a door or window or to an analogous support comprises an attaching end 11 and a supporting end 12, the latter being offset or spaced from the wall or other supporting means so as to receive the base 1, as indicated most clearly in Fig. 1. The supporting end 12 of the wall clip is formed with a slot 13 which receives a ter-

minal portion of the brace 3, as indicated most clearly in Fig. 1, thereby preventing movement of the motor support after the latter has been properly engaged with the wall clip.

The fan motor 6 may be of any type usually found upon the market and adapted for operating ventilating fans. When it is required to utilize a fan motor as a table or stand, the motor support is placed upon a table, desk, shelf, or like horizontal support and the fan motor 6 is fitted to the holder 5 in the manner set forth and shown most clearly in Fig. 2. The fan motor may be adjusted to any angular position with reference to the horizontal by loosening the pivot fastening 4 and turning the holder 5 about the pivot fastening until the required adjusted position has been reached when the position of the fan motor may be fixed by tightening the pivot fastening 4 by turning up the thumb nut 10. If it be required to use the fan motor as a wall or bracket fan, the motor support with the fan motor attached to the holder 5 is engaged with the wall clip in the manner stated and indicated most clearly in Fig. 1 and with the motor support suspended in this manner, the fan may be adjusted to any angular position with reference to the horizontal in the manner hereinbefore stated.

From the foregoing, taken in connection with the accompanying drawing, it will be understood that the invention provides means whereby an ordinary ventilating fan may be utilized as a wall or bracket fan, or as a stand or table fan and in entire use the fan may be readily adjusted to direct a current of air upward or downward as may be required. By shifting the position of the motor support, it is obvious that the current of air may be directed to the right or to the left, as occasion may demand.

What is claimed is:

1. In a supporting means of the character specified, a base, a combined arm and base formed from a single member doubled upon itself and having its end portions bent in opposite directions and secured to the base, a holder and fastening means pivotally connecting the holder to the arm and securing the holder in the required adjusted positions.

2. In supporting means of the character specified, a base, a combined arm and brace formed from a single member doubled upon itself and having its end portions bent in opposite directions and secured to the base, the arm having an eye at its outer end corresponding with the fold of said member, a holder and fastening means pivotally connecting the holder to the arm and securing such holder in the required adjusted position.

3. In supporting means of the character specified, a spring holder of substantially U-form provided in one of its terminals with a notch, and a flexible connection attached to the other terminal of the spring holder and composed of a plurality of links, said flexible connection engaging the notch of the holder at the ends of the links, said links being of a size to prevent movement of the flexible connection through the notch and forming an adjustable connection between the terminals of the spring holder.

In testimony whereof I affix my signature.

ELBERT R. WINSLOW.