

No. 793,942.

PATENTED JULY 4, 1905.

S. G. LEACH.
SUPPORTING DEVICE FOR ELECTRIC FANS.

APPLICATION FILED SEPT. 14, 1904.

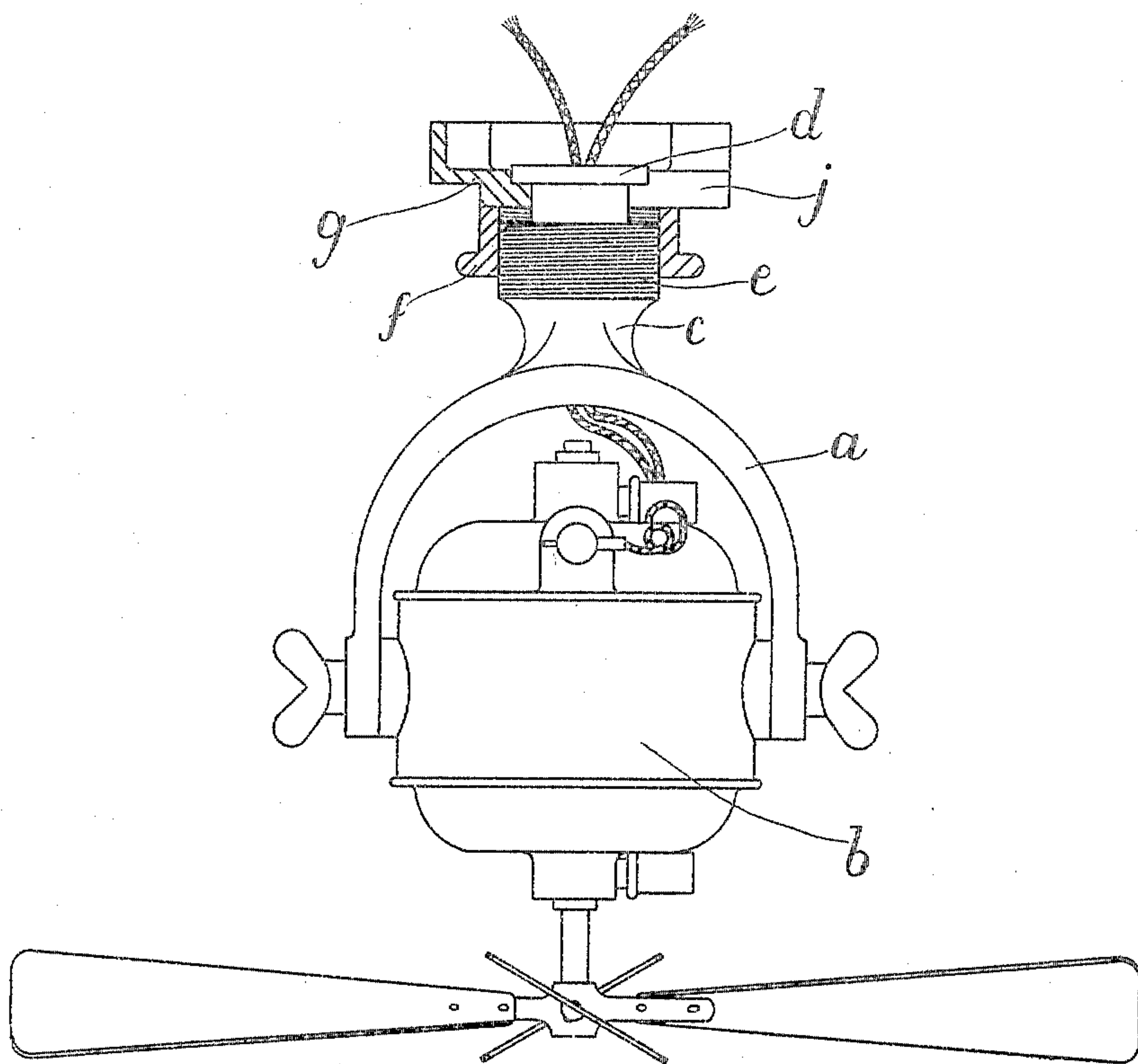


FIG. 1.

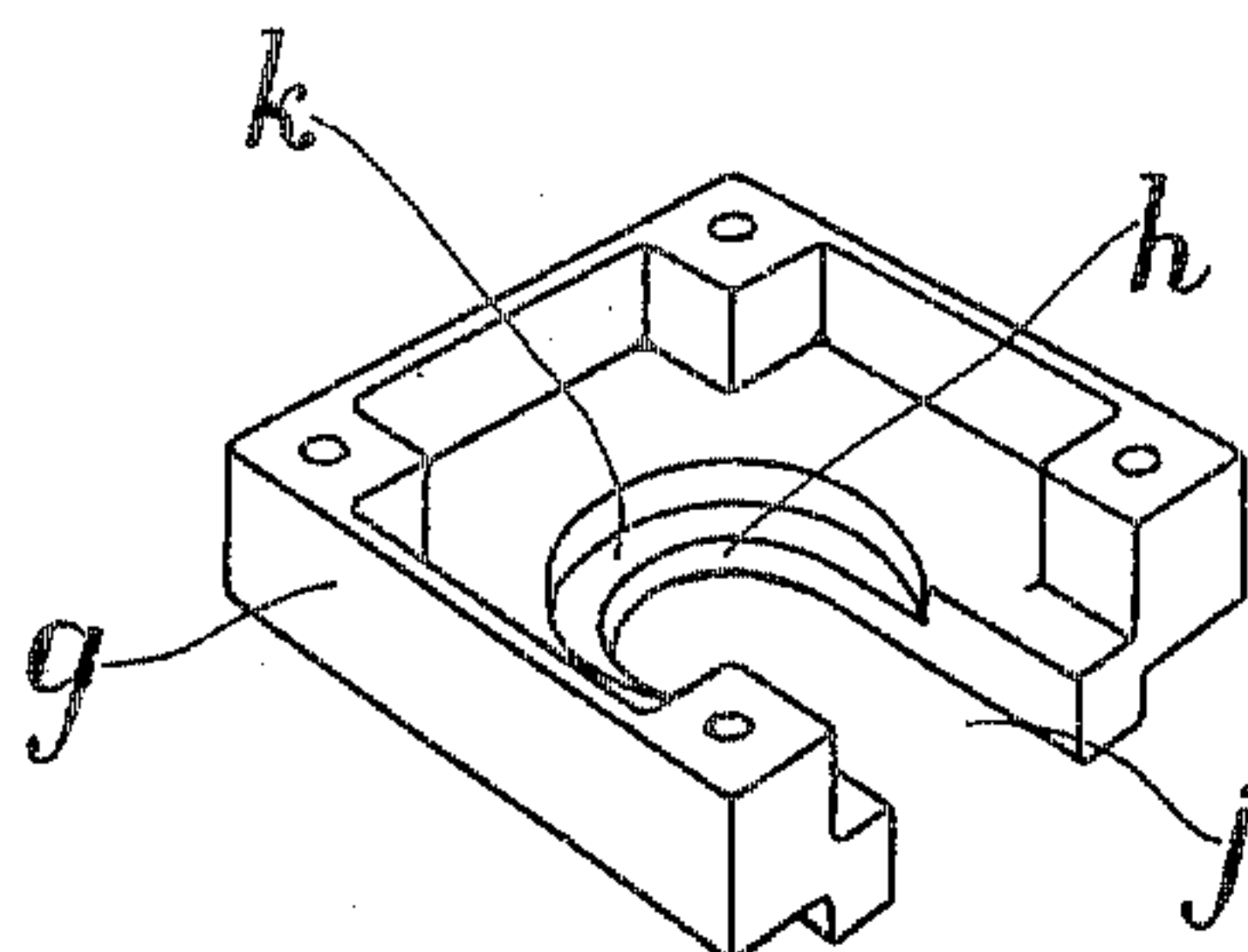


FIG. 2.

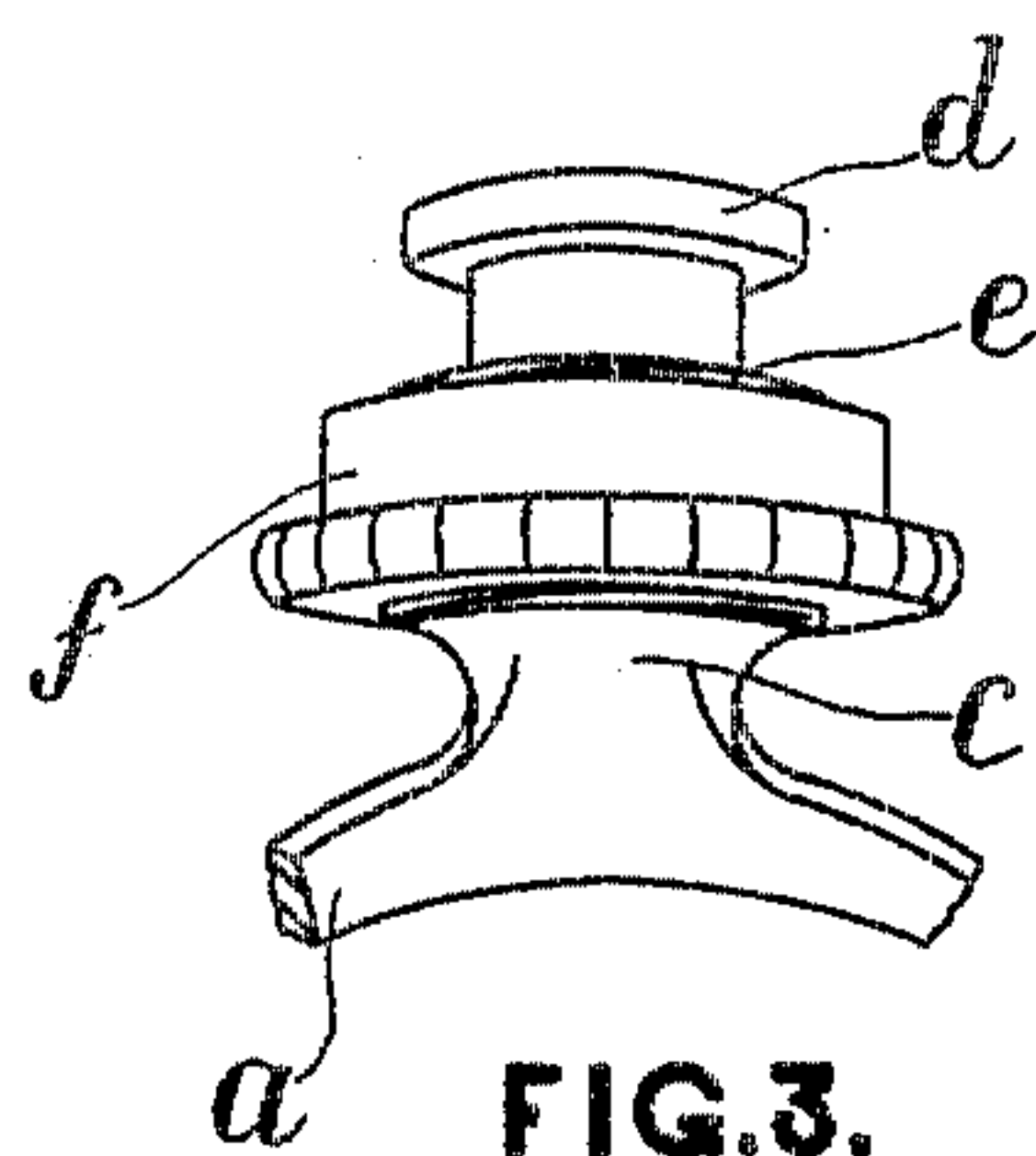


FIG. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

SIDNEY GEORGE LEACH, OF ILFORD, ENGLAND.

SUPPORTING DEVICE FOR ELECTRIC FANS.

SPECIFICATION forming part of Letters Patent No. 793,942, dated July 4, 1905.

Application filed September 14, 1904. Serial No. 224,478.

To all whom it may concern:

Be it known that I, SIDNEY GEORGE LEACH, a subject of the King of Great Britain, residing at Ilford, in the county of Essex, England, have invented a new and useful Improvement in and Relating to Supporting Devices for Electric Fans, of which the following is a specification.

This invention relates to devices for supporting electric fans, and has for its object the construction and arrangement of such apparatus whereby the electric fan can be simply and easily placed into and removed from position, its general adjustability about an axis to vary the direction of air-current can be easily made, and no risk exists of the fan falling out of its supporting device should the screw or other retaining device not be properly fastened.

In order that the invention may be the better understood, I will proceed to describe the same in relation to the accompanying drawings, reference being had to the letters marked thereon.

Like letters refer to like parts in the various figures.

Figure 1 is a part-sectional view of the device with an electric fan supported thereon. Fig. 2 is a perspective view of the part of the device for attachment to the wall, ceiling, or other support. Fig. 3 is a perspective view of the part of the device attached to or forming a part of the frame holding the fan.

Upon the ordinary gimbal-frame *a* of an electric fan *b* I provide a stem *c*, having at its outer end a projecting flange or collar *d*, and about the stem *c* is arranged a thread *e*, on which works an ordinary jamming-nut *f*. The device for carrying the fan from any fixed support, such as a wall or ceiling, consists of a plate or base *g*, having a central hole *h* and a slot *j* running from the outside of the plate *g* into the central hole *h*. This slot *j* is of such a width as to just allow the stem *c* of the fan-frame to pass along it easily. On the upper side of the plate *g* a recess *k* is formed around the central hole *h* of such a diameter

as to permit the flange *d* on the outer part of the fan-frame stem *c* to drop into and engage therein, so that when so engaged the fan-frame can be turned about a vertical axis in either direction, and when placed in the position in which it is to remain that position can be retained by screwing the jamming-nut *f* along the screw-thread *e* until it bears against the under side of the supporting plate or base *g*, as shown in Fig. 1.

Although the device has been described and illustrated for use as a hanging fitting from the under side of a horizontal support, it is obvious the same arrangement can be used when the supporting-plate is mounted on a vertical or inclined wall or other support or in any other equivalent position in which the fan has to be supported with its frame-stem extending in a more or less horizontal position. To remove the fan from its support, it is only necessary to slack the nut back sufficiently far to permit the flange *d* being disengaged from the recess *k* of the plate *g*.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

A supporting device for electric fans consisting of a supporting-base having a central aperture, a recess formed about said central aperture and a slot extending from the outside of the base to the central aperture in combination with a stem adapted to pass along said slot into the central aperture, a flange at the end of said stem adapted to engage with said recess and a jamming device carried by the said stem and adapted to bear against the under side of the supporting-base so as to lock the stem on said base, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SIDNEY GEORGE LEACH.

Witnesses:

MAY F. DRINKWATER,

RICHARD A. HOFFMANN.