

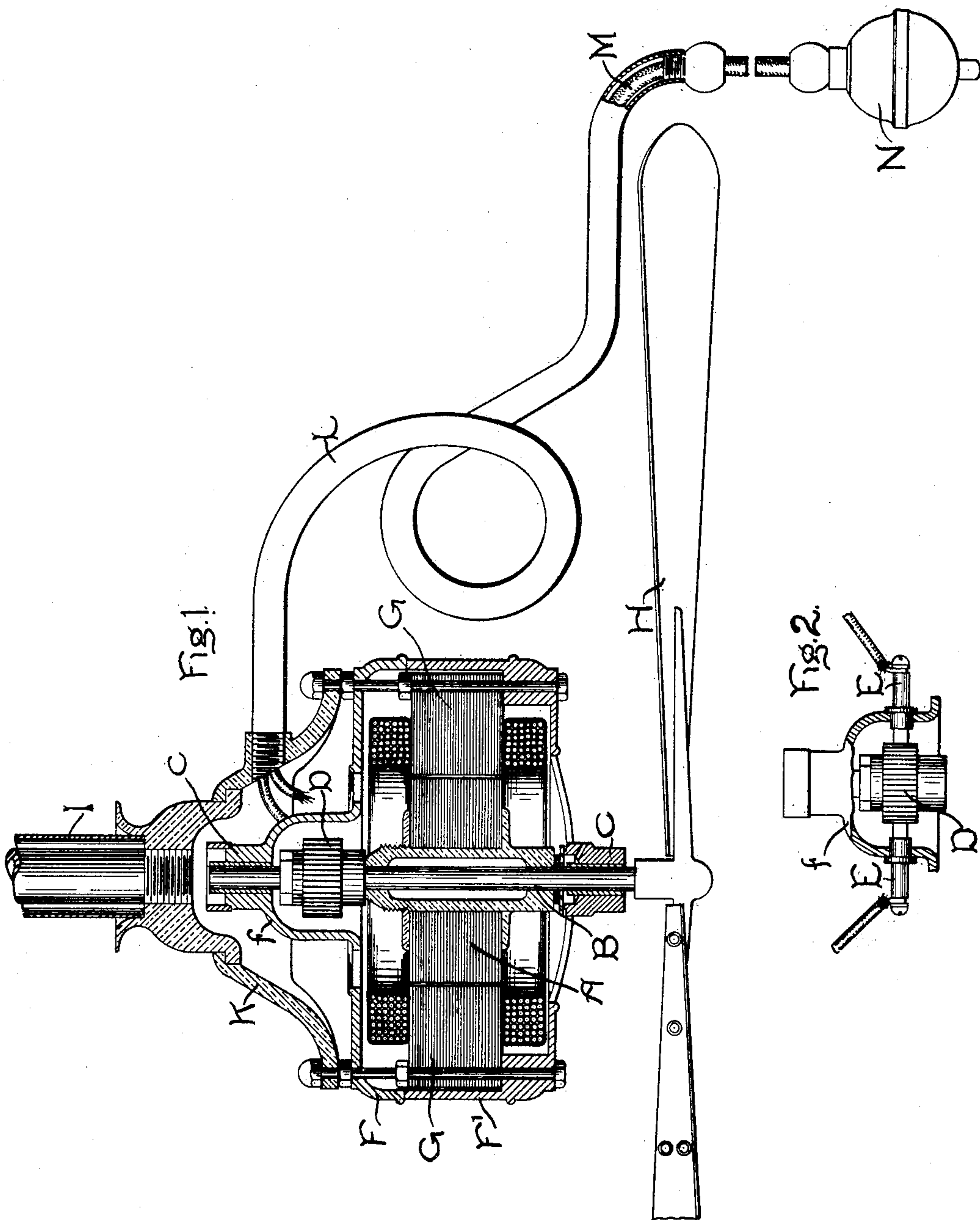
No. 701,914.

Patented June 10, 1902.

W. S. MOODY.  
FAN MOTOR ATTACHMENT.

(Application filed Oct. 26, 1900.)

(No Model.)



Witnesses.

*W. S. Jones.*

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Inventor.

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Att'y.

# UNITED STATES PATENT OFFICE.

WALTER S. MOODY, OF SCHENECTADY, NEW YORK, ASSIGNOR TO GENERAL ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

## FAN-MOTOR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 701,914, dated June 10, 1902.

Application filed October 26, 1900. Serial No. 34,470. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER S. MOODY, a citizen of the United States, residing at Schenectady, county of Schenectady, State of New York, have invented certain new and useful Improvements in Fan-Motor Attachments, (Case No. 1,391,) of which the following is a specification.

My invention relates to electric motors for suspended fans; and its object is to provide a convenient means for controlling such fans.

It has been proposed to locate a switch inside the motor-casing, with a key extended down through a hollow shaft to a point below the revolving fan, so that one could turn the current on or off without danger of being struck by the fan-blades; but this is an expensive device, and the necessity for something as convenient and yet of lower cost has led me to devise the present invention.

I provide an arm or bracket on one side of the motor-casing, extending out beyond the sweep of the fan-blades and carrying a double electric conductor, at whose end is connected a push-button or other circuit-closer. The conductor is in the circuit of the motor and may be a flexible bell-wire and be led to any suitable distance from the end of the arm, so that the fan can be controlled from any part of the room as may be desired. I prefer to use a tubular arm, through which the wires are run, and this tube may be curved or coiled in any graceful or grotesque manner, so as to add to the attractiveness of the entire apparatus.

In the drawings, Figure 1 is a sectional elevation of a fan-motor embodying my invention. Fig. 2 is a detail view showing the motor-brushes.

The motor may be of any suitable construction. I have shown one in which the armature A is secured on a vertical shaft B, journaled in bearings C and carrying a commutator D. Brush-holders E project through the sides of a bell-shaped piece *f*, forming part of the upper portion F of the casing and serving to support the upper shaft-bearing.

Field-magnets G are inclosed in the lower part F of the casing. A fan H is secured to the lower end of the shaft B.

The motor, casing, and fan are suspended by a tubular hanger I and a bell-shaped spider K, attached to the upper portion of the casing.

The motor forms no part of my present invention and has been shown and described merely for the sake of facilitating an understanding thereof.

From the side of the spider K projects an arm L, preferably tubular, as shown, and curved or otherwise shaped to suit the fancy of the designer. The arm extends to a point beyond and preferably slightly below the tips of the fan-blades. It supports a flexible double conductor M, which forms part of the circuit conveying current to the motor-brushes. The ends of the double conductor are connected with a circuit-closer N, which may be at the end of the arm L or at some distance therefrom, as desired. The arm should be sufficiently rigid to prevent its sagging, but yet capable of being bent when desired to accommodate a larger fan or wider blades.

My invention obviates the necessity of providing a hollow shaft for a depending switch-key and makes it possible to control a fan-motor from different parts of a room, as may be desired.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with a suspended fan-motor and its casing, of an arm extending from the casing to a point beyond the tips of the fan-blades and capable of being permanently bent to adjust the same to various positions, and an electric conductor supported on said arm and provided at or beyond the end of the arm with a circuit-closer.

2. The combination, with a suspended fan-motor and its casing, of an arm extending from the casing to a point beyond the tips of the fan-blades and capable of being permanently bent to adjust the same to various positions, a flexible electric conductor supported



on said arm and extending to a point beyond the end of the arm and provided at its end with a circuit-closer.

5 3. The combination, with a suspended fan-motor and its casing, of a tubular arm extending from the casing to a point beyond the tips of the fan-blades and capable of being permanently bent to adjust the same to various positions, a flexible double electric conductor

included in the circuit of the motor and led through said arm, and a circuit-closer at the end of said conductor.

In witness whereof I have hereunto set my hand this 25th day of October, 1900.

WALTER S. MOODY.

Witnesses:

BENJAMIN B. HULL,  
ALEX. F. MACDONALD.