

I. S. Eastman.

Rotating Fan.

Nº 76174

Patented Mar. 31, 1868.

Fig. 1.

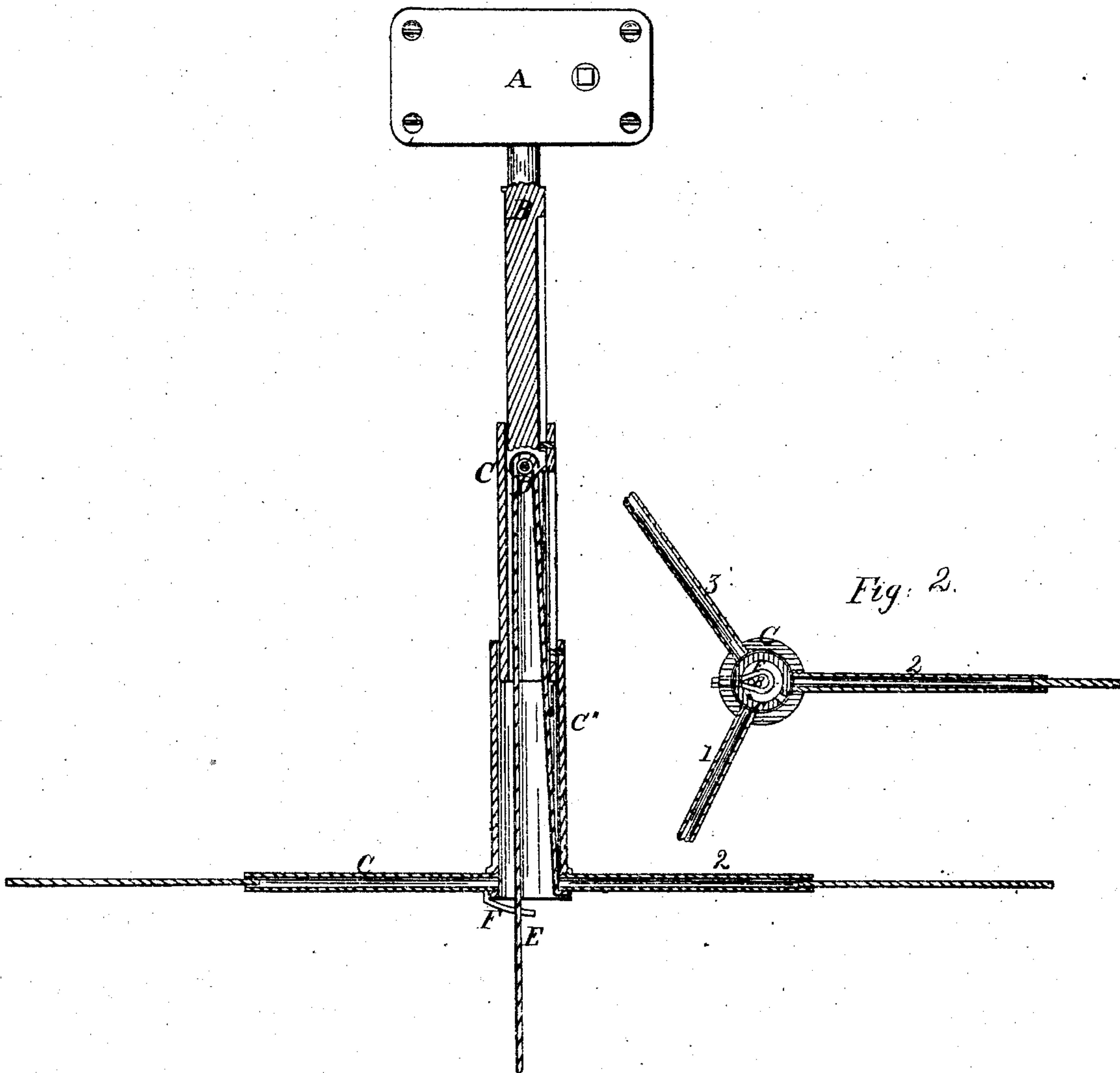


Fig. 2.

Witnesses:

A. H. Sherburne

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I. S. EASTMAN, OF MADISON, WISCONSIN.

Letters Patent No. 76,174, dated March 31, 1868.

IMPROVED ROTATING FAN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, I. S. EASTMAN, of Madison, in the county of Dane, and State of Wisconsin, have invented a new and useful Improvement in Rotating Fans; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical central section of my invention.

Figure 2 is a transverse section on line *e e*.

Similar letters of reference, where they occur in the separate figures, denote like parts in both of the drawings.

My invention relates to an improvement in that class of rotating fans that is operated by a system of geared wheels; and the nature of my improvement consists in a novel device, so constructed as to be capable of vertical adjustment jointly with the rotating motion thereof, whereby the same may be raised or lowered to any required height; and the object of my invention is to drive mosquitoes or flies from a bed or table.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A represents the case holding the gearing which operates or rotates the fans. Said case is attached to the webbing above, but as the same forms no part of the present invention, it is not necessary to be herein particularly described. B represents a vertical shaft, which is suspended from said case, and so arranged as to communicate with the gearing thereof. Suspended from said shaft B are two or more hollow cylinders or sections of shafts C and C'', so attached as to be capable of vertical adjustment. Said shafts may be as represented in the drawings, or may be of fluted tubing, or may be constructed in any manner that will insure the same to rotate with shaft B. Attached to the lower end of cylinder C'' is a cord, E, which passes upward within said cylinder, and around or over a pulley, D, within the lower end of shaft B, thence downward through clasp F, which is attached to the lower end of said cylinder C''. Said clasp is so shaped as to allow cord E to move easily when in the centre of the cylinder, but as the same is thrown to the side it comes in contact with or against and between the sides of the clasp, thus firmly holding the same at any properly-adjusted height. Attached to the lower end of cylinder C'' is a system of arms, 1, 2, 3, more or less, so arranged as to be capable of lateral adjustment. To the outer ends of said arms are attached fans, or crimped paper, or any suitable devices that will produce the required circulation of air as the same is rotated.

My invention may be suspended over a bed to protect a person from mosquitoes, or may be suspended over a table to keep the flies therefrom, and is operated as follows, the same being properly adjusted: Shaft B is rotated by means of the gearing, (which may be operated by weights, springs, or otherwise.) Cylinders C and C'' of shaft B communicate with the fans by means of arms 1, 2, 3, giving the same a rotating motion, whereby a circulation of air is obtained.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the rotating shaft B, cylinders C and C'', suspended from the ceiling above, and provided with arms 1, 2, 3, so arranged as to be held at any adjusted height by means of cord E and clasp F, substantially as and for the purpose described.

I. S. EASTMAN.

Witnesses:

N. H. SHERBOURNE,

JOHN S. HOLLINGSHEAD.