

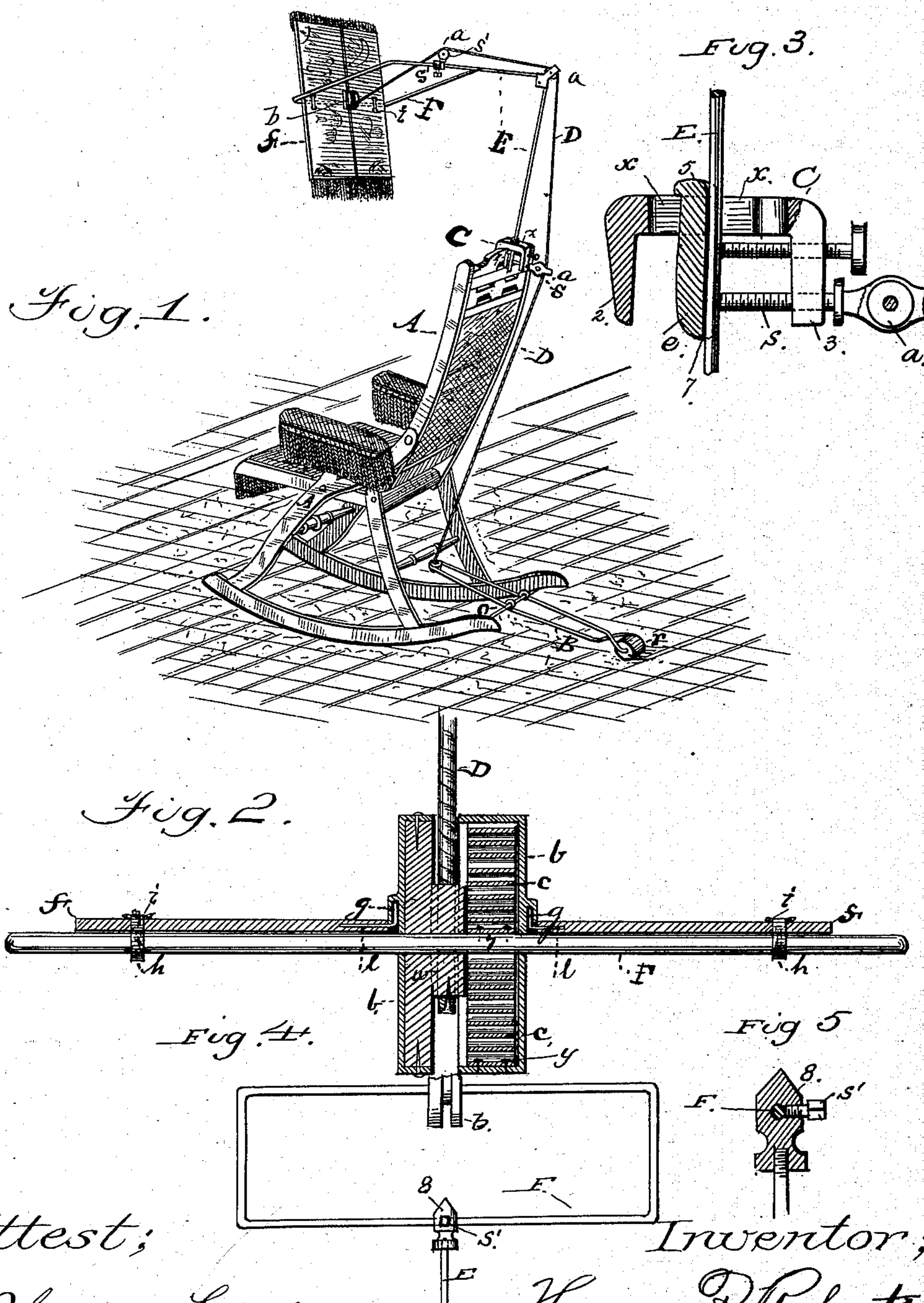
(No Model.)

H. P. ROBERTS.

FAN ATTACHMENT.

No. 325,863.

Patented Sept. 8, 1885.



Attest;  
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# UNITED STATES PATENT OFFICE.

HENRY PITT ROBERTS, OF JAMESTOWN, NEW YORK. ASSIGNOR OF ONE-HALF TO JOSEPH D. KING, OF BRANTFORD, ONTARIO, CANADA.

## FAN ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 325,863, dated September 8, 1885.

Application filed May 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY P. ROBERTS, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Rocking-Chair Fans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to make a cheap and efficient rotary fan for rocking-chairs; and the improvements consist in several new features that will be readily understood by the following specification and accompanying drawings, in which—

Figure 1 shows the invention as applied. Fig. 2 shows fan-head and spring-case in cross-section. Fig. 3 is a detail in section of the casting C and attachments. Fig. 4 is a plan view of the frame F, showing how the frame is pivotally secured in the casting 8; Fig. 5, a sectional view showing the casting 8 and set-screw S'.

In the drawings, A represents a common rocking-chair, to the rockers of which I attach the operating-lever B by the stretcher-rod o, as shown in Fig. 1.

The operating-lever is formed from a small rod or heavy wire by doubling to form a loop at its rear end, on which I place roller r. The sides then cross each other, and near their middle have eyes made on them by turning the wire to form such, and then are joined together at their upper end. The rod or stretcher o passes through the eyes of the operating-lever B, and is firmly secured to the rockers on each side.

C is a cast clamp, having a long slot, x, cast through its upper surface, and has a front arm, 2, that comes down over the front side of the top rail of the chair, and a back arm, 3, at the end extending downward, and has a hole near its lower end with a screw-thread cut in, so the screw s can be turned through it. The slot x is provided with a loose tongue, e, which is cast with a head, 5, large enough so it will not drop through the slot, and when turned into position, as shown, presents approximately a flat surface to the back of the

chair, and a grooved surface, 7, on its back side to hold the standard E in an upright position, and this standard may be raised or lowered at will and the whole firmly secured to the back of the chair by turning up screw s.

a a a are small pulleys over which the cord D passes, and they and the frames in which they turn always keep the cord in position and prevent friction.

F is a movable oblong frame for supporting and carrying the fan, and passes through a small casting, 8, on the end of standard E, and is secured to throw the fans f at any desired height or angle by the set-screw s', as shown, and by this construction the frame can be turned back when not desired to run the fans, or may be held tight by turning up the screw s'.

b is a round tin or metal spring-case having a hole through its center, so it can turn on the frame F, and on its inside is provided with a flat coiled spring, c, or clock-spring, the inner end or coil being fastened to the frame F and the outer coil or end to the metal case b, as shown at y y, and the other side of this case is filled with wood or other material, the inner or central part being turned smaller, and to this part is securely fastened cord D, and, after being wound around it, passes out the case and over the pulleys a a, as shown.

The fan f is made in two parts and secured on each side the spring-case b by having thin metal strips l passing between the layers of the fans, and having one end turned at right angles and passing under metal lips g g, that are soldered on to the sides of spring-case b, as shown in Fig. 2. The fans are provided with eyelets i, and the band or cord h, put through these and around the frame, readily fastens them in place.

The fan can readily be adjusted to accommodate the height of any person, and the front end of the oblong frame thrown down, so as to fan the face, or put in any desired position to the person fanned. This is another very important improvement in chair-fans.

After putting the fan on the chair, as shown in Fig. 1, the operation is as follows: A person seated in the chair, beginning to rock, gives motion to the operating-lever, one end of which is held down and moves back and



forth on the floor, and the other end, going down, draws the cord off the spring-case head and sets the fans rotating in one direction on the fan-frame, and when the lever goes up the spring in the case recoils itself and sets the fans rotating in an opposite direction, and so the continued rotations of the fan are kept up.

I claim—

1. The combination, with the rocking-chair, of a rectangular wire frame, a spring-roller located at the center of the side of the frame and between the fans, lips formed on the roll, and swinging fans provided with eyelets, and metallic strips adapted to engage the lips and frame, substantially as and for the purpose set forth.

2. The combination, with a rocking-chair, of a rectangular wire frame, F, a spring-roll upon said frame, suitable lips formed on said roll, the fans *f*, provided with metallic strips

7 for attachment to the spring-roll in the lips, the standard E for supporting the frame, and a cord attached to a lever on the chair and to said spring-roller and operating the fans, substantially as herein described.

3. The combination, with a rocking-chair, of a standard, E, suitable guide-pulleys upon the standard, a perforated casting, 8, on the end of the standard, a set-screw adapted to enter the casting, an adjustable wire frame, suitable fans provided with metallic strips, and a spring-roll having lips adapted to engage the strips and secure the fans, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY PITT ROBERTS.

Witnesses:

L. W. WILTSIE,  
M. HARRIS.