

O. BRUECK.  
Rocking-Chair Fans.

No. 139,112.

Patented May 20, 1873.

Fig. 1.

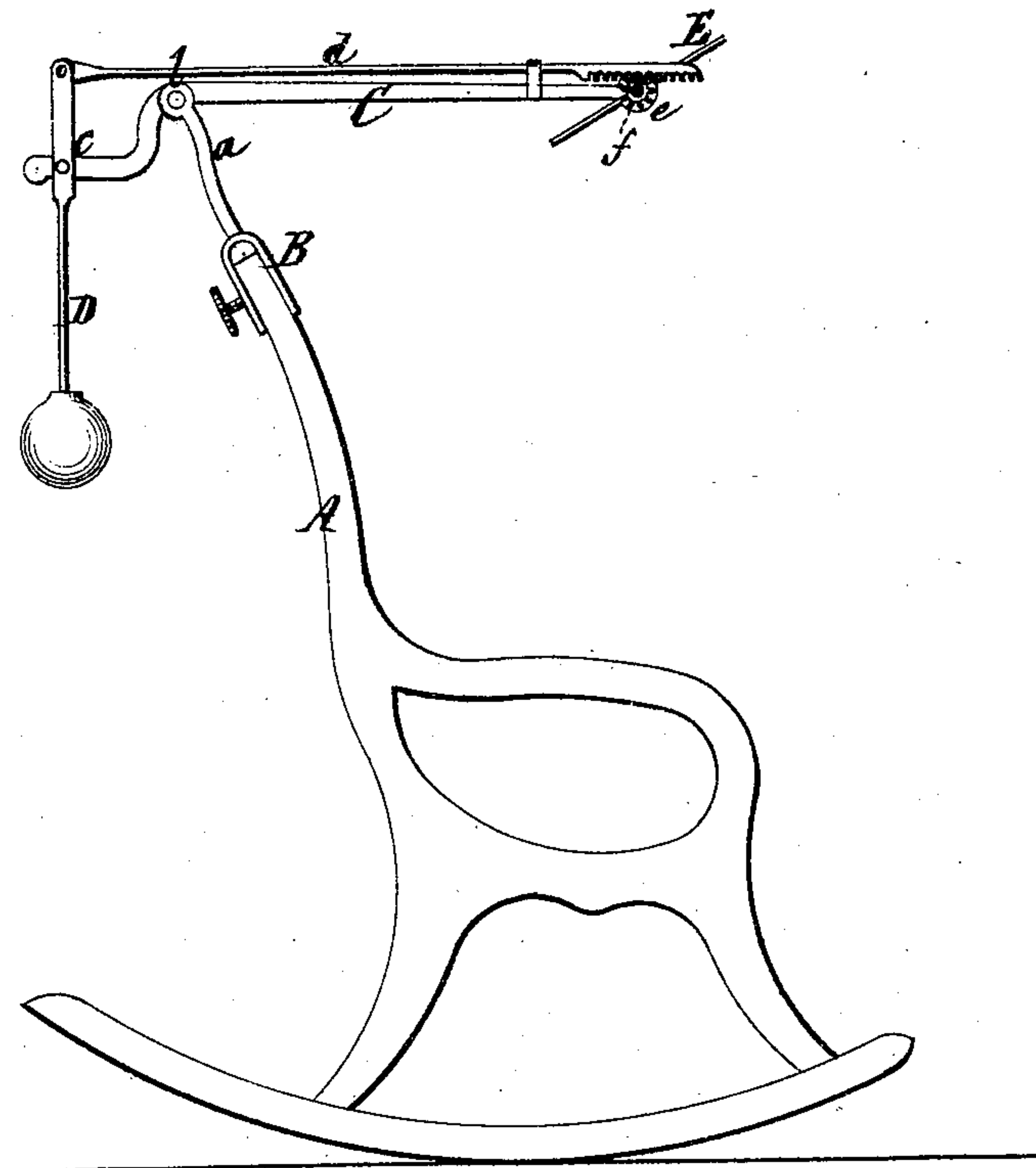


Fig. 2.

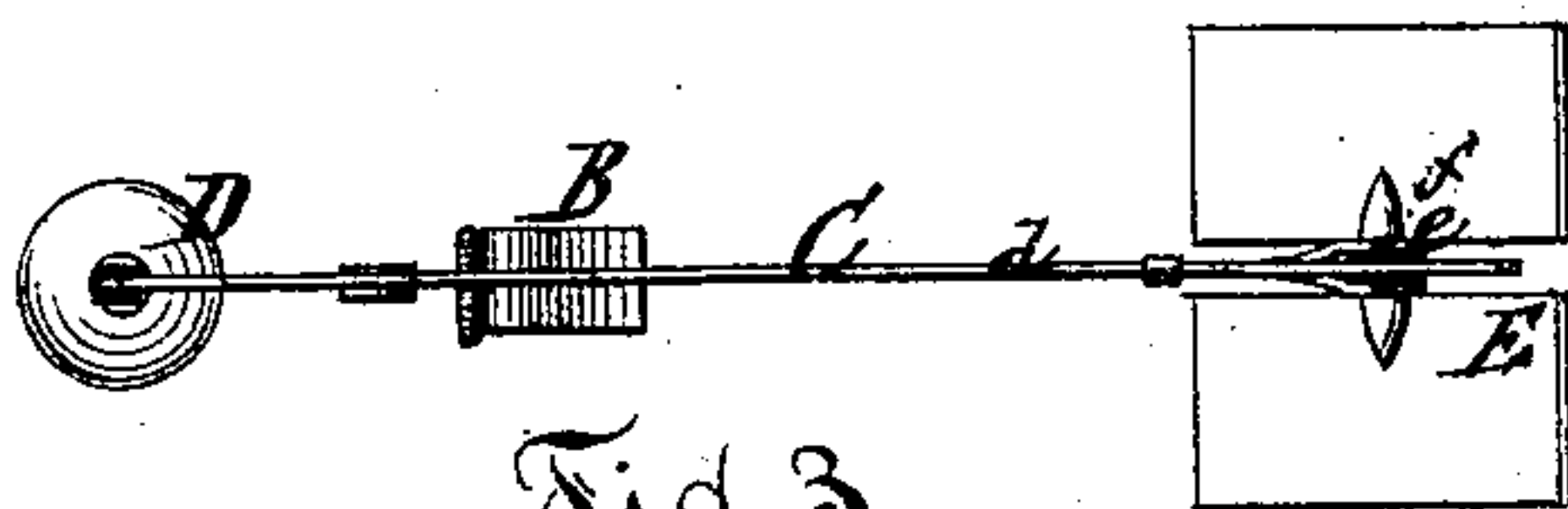
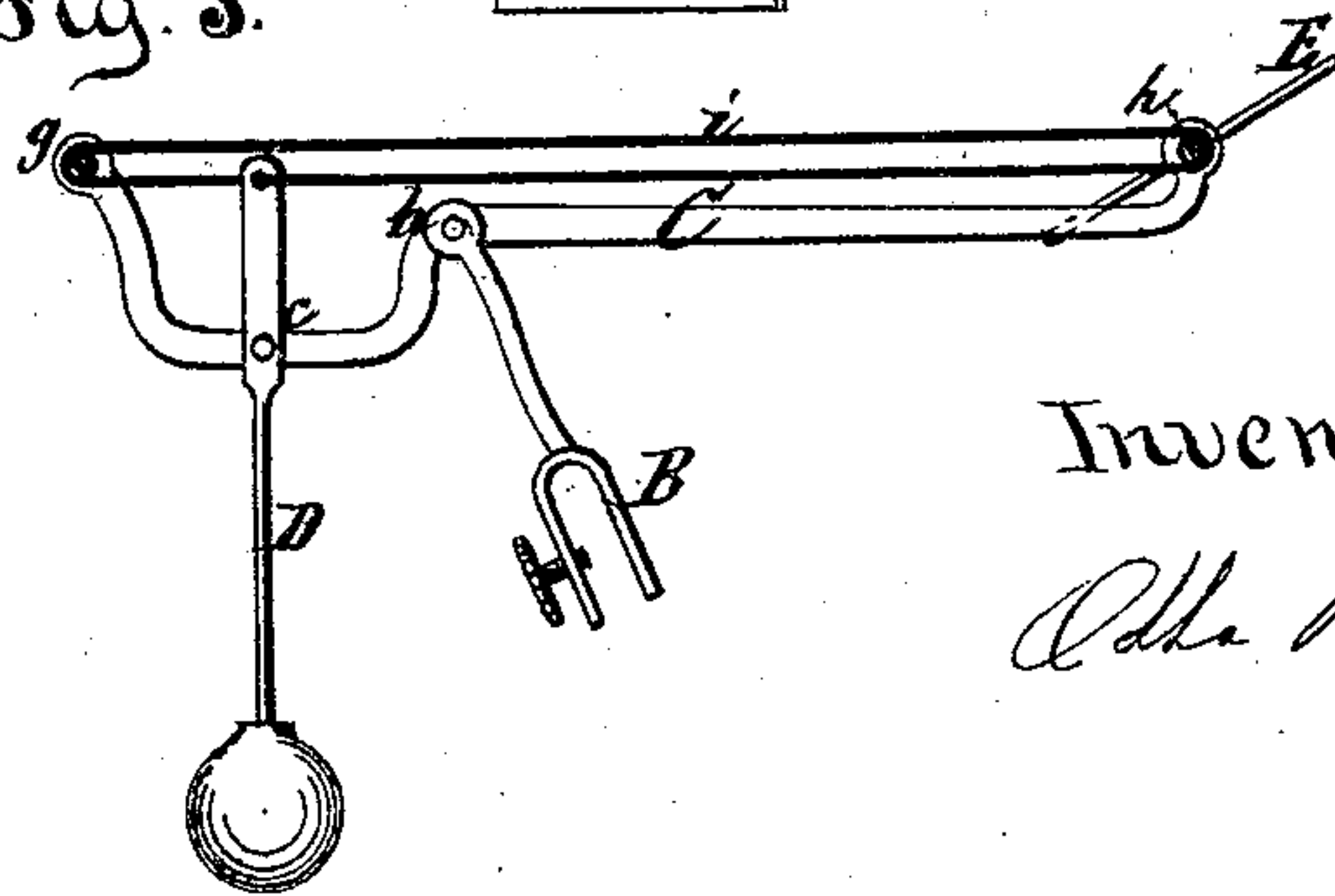


Fig. 3.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN ROCKING-CHAIR FANS.

Specification forming part of Letters Patent No. **139,112**, dated May 20, 1873; application filed February 6, 1873.

*To all whom it may concern:*

Be it known that I, OTTO BRUECK, of Union Hill, in the county of Hudson and State of New Jersey, have invented a new and Improved Fan Attachment to Rocking-Chairs; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a side view of this invention. Fig. 2 is a plan or top view of the same. Fig. 3 is a side view of a modification of the same.

Similar letters indicate corresponding parts.

This invention relates to an improvement upon the Letters Patent granted me October 15, 1872, No. 132,245; and consists in a pendulum, which swings on an arm secured to a screw-clamp made to be fastened to the back of a rocking-chair, said pendulum being connected by rack and pinion, or by an endless cord, with a revolving arbor that has its bearing in the pendulum-supporting arm, and on which is mounted a fan in such manner that, if the rocking-chair is set in motion, and the pendulum is thereby caused to oscillate, a rapid revolving motion is imparted to the fan, first in one and then in the opposite direction, and the person occupying the chair can thus create a current of air of greater or less force, according to the motion imparted to the rocking-chair. The pendulum-supporting arm is pivoted to the screw-clamp, so that the fan is able to yield and to turn out of the way if the person occupying the chair rises.

In the drawing, the letter A designates a rocking-chair, to the back of which is secured a screw-clamp, B. From this clamp extends a standard, *a*, to which is secured, by a pivot, *b*, an arm, C, that extends transversely across the back of the chair. From the rear end of this arm is suspended the pendulum D that

swings on a pivot, *c*, and extends beyond said pivot, (see Figs. 1 and 3,) its upper end being connected to a cord, *d*, the front end of which forms a rack (Figs. 1 and 2) that engages with a pinion, *e*. This pinion is mounted on an arbor, *f*, that has its bearing in the bifurcated front end of the arm C, and on this arbor is secured the fan E. Instead of connecting the pendulum with the fan-arbor by rack and pinion, as shown in Figs. 1 and 2, the connection can be effected by an endless cord, as shown in Fig. 3. In this case the arm C is made to extend back of the pendulum, and in this extension is mounted a pulley, *g*, while a similar pulley, *h*, is mounted on the fan-arbor. A cord, *i*, is stretched around these two pulleys, and the upper end of this pendulum is secured to this cord.

If the rocking-chair is set in motion an oscillating motion is imparted to the pendulum D, and the fan is caused to revolve first in one direction and then in the other. The current of air thus created is thrown down upon the person occupying the chair. The arm C being pivoted to the standard of the screw-clamp allows the fan to swing upward out of the way if the person occupying the chair should rise and come in contact with the fan or with the arm C.

This attachment is very simple, and it can be readily attached to a rocking-chair of any desired description.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of a screw-clamp, B, arm C, pendulum D, and rotary arbor *f* carrying a fan, E, said pendulum being connected with the fan-arbor either by rack and pinion or by a cord and pulleys, substantially in the manner herein shown and described.

OTTO BRUECK.

Witnesses:

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