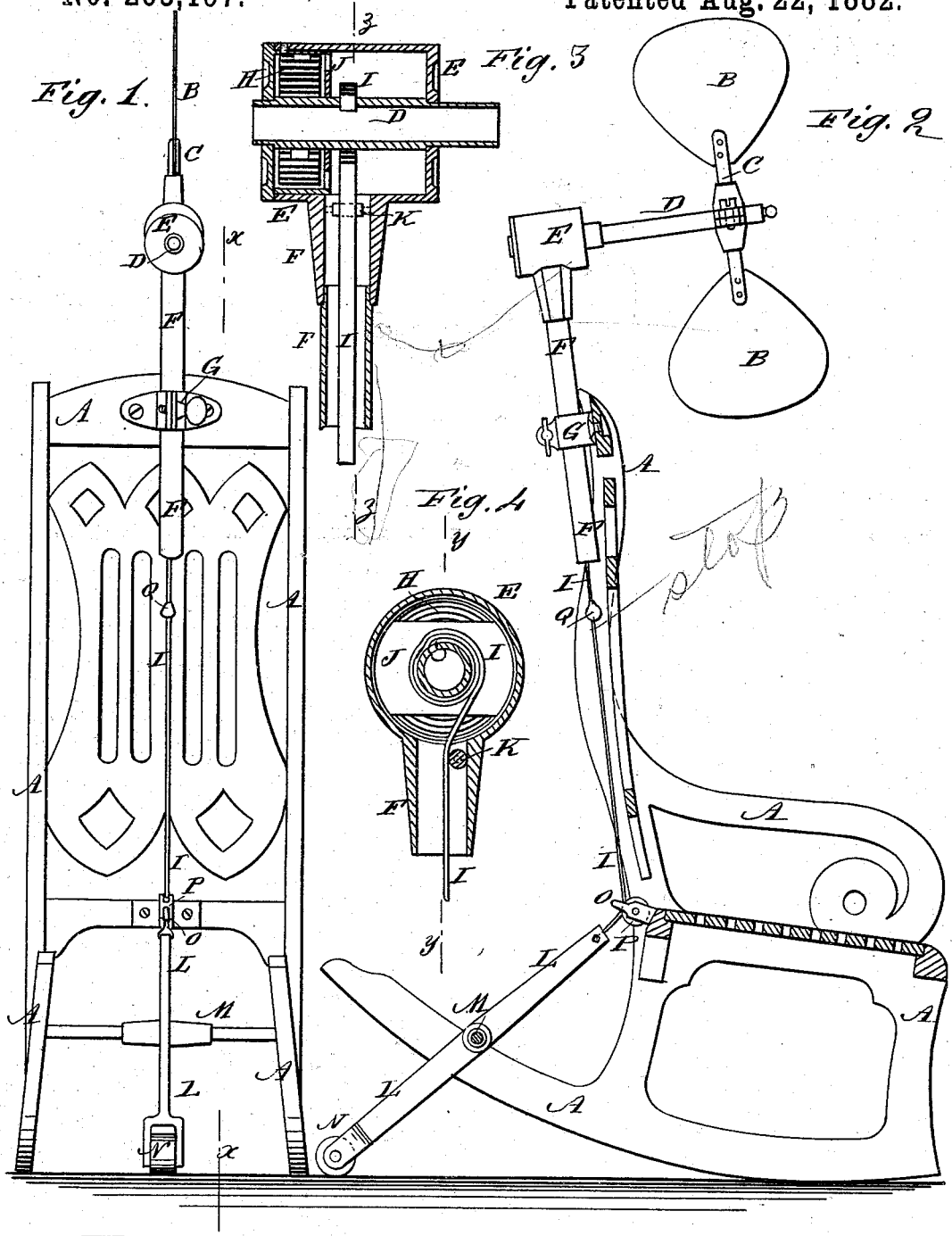
(No Model.)

A. MROZOWSKI.

FAN FOR ROCKING CHAIRS.

No. 263,197. Patented Aug. 22, 1882.



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ALEXANDER MROZOWSKI, OF NEWARK, NEW JERSEY.

FAN FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 263,197, dated August 22, 1882.

Application filed June 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER MROZOWSKI, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Fans for Rocking-Chairs, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a rear elevation of my improvement, shown as applied to a rocking-chair. Fig. 2 is a side elevation of the same, the chair being shown in section through the line *x x*, Fig. 1. Fig. 3 is a sectional side elevation of a part of the improvement, taken through the line *y y*, Fig. 4. Fig. 4 is a sectional rear elevation of the same, taken through the line *z z*, Fig. 3.

The object of this invention is to facilitate the application of fans to rocking-chairs and promote reliability in the operation of the said fans.

The invention consists in the combination and arrangement of parts, substantially as hereinafter more fully set forth.

A represents an ordinary rocking-chair.

B B are two fans, attached to the outer ends of a cross-bar, C, secured at its center by a hub and set-screw, a clamp, or other convenient means to the forward end of a shaft, D, which may be solid or tubular, and which passes through and revolves in bearings in the ends of a small hollow cylinder or case, E.

Upon the lower side of the case E is formed a tubular stem, F, which is secured by a screw-clamp, G, to the upper part of the back of the rocking-chair A.

In the rear part of the case E is placed a coiled spring, H, the outer end of which is attached to the wall of the said case E, and its inner end is attached to the shaft D.

To the shaft D, in the middle part of the case E, is attached the end of a strap or cord, I, which is wound around the said shaft D in the opposite direction from the spring H. The spring H and strap or cord I are separated from each other by a partition or collar, J, to prevent them from interfering with each other as they are coiled and uncoiled. The strap I passes over a roller, K, to prevent friction, and passes down through the hollow stem F, and its lower end is attached to the upper end of a lever, L, at a point a little below the level of the chair-seat. The lever L is pivoted at its middle point to a round, M, attached to the rear parts of the rockers of the chair A. The rear end of the lever L is forked, and to it is pivoted a small wheel, N, to roll upon the floor. The strap I, near its point of attachment to the end of the lever L, passes through the guide-loop or keeper O, attached to the rear bar of the seat-frame of the chair. To and within the keeper O is pivoted a roller, P, to prevent the strap I from rubbing against the seat-frame as the chair is rocked.

With this construction, as the chair is rocked the roller N, pivoted to the lower end of the lever L, rolls back and forward upon the floor, and thus causes the upper end of the said lever to have a downward and upward movement. As the upper end of the lever L moves downward it draws the strap I downward, unwinding it from the shaft D and rotating the said shaft in one direction. As the upper end of the lever L moves upward the spring H turns the shaft D in the other direction and winds up the strap I, ready to be again drawn downward, so that a reciprocating rotary movement will be given to the fan-shaft and fans as the chair is rocked.

With this construction the fan can be readily applied to any ordinary rocking-chair.

To the strap I, at a little distance from the lower end of the hollow stem F, is attached a knob, Q, to come in contact with the lower end of the said hollow stem and prevent the said strap from being wound up too far by the action of the spring H.

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

In a fan for a rocking-chair, the combination, with the case E, having the depending tube F, clamped or connected to the back of the chair, and the shaft D, carrying the fans B and bearing in the case E, said shaft having connected

to it a spring, H, arranged within the said case and separated from the shaft-operating strap by the collar J, of the knotted strap I, coiled around the shaft D and passed down through the tube F, and the guide O, attached to the chair-seat frame, and thence passed in contact with the roll P, hung in said guide, and the lever L, fulcrumed between the rockers and bearing on the floor, as shown and described.

ALEXANDER MROZOWSKI.

Witnesses:
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