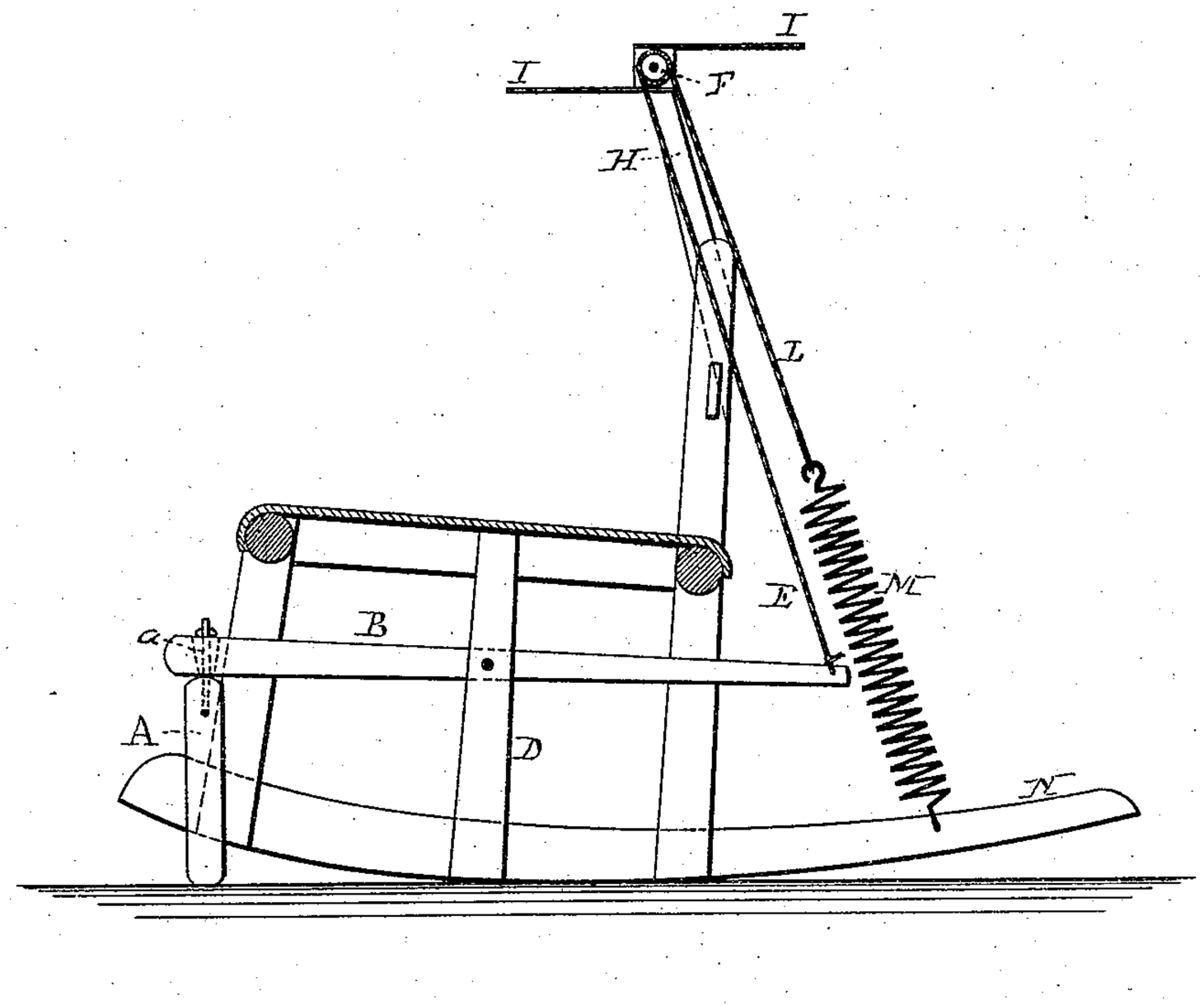
E. C. HALL.

Rocking-Chair Fans.

No. 153,335. Patented July 21, 1874.



WITNESSES.

R. Gebner

R. Leuzinger

INVENTOR.

Elias C. Hall,

BY Cox and Cox his ATTY'S

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UNITED STATES PATENT OFFICE.

ELIAS C. HALL, OF QUINCY, ILLINOIS.

IMPROVEMENT IN ROCKING-CHAIR FANS.

Specification forming part of Letters Patent No. **153,335**, dated July 21, 1874; application filed June 22, 1874.

To all whom it may concern:

Be it known that I, ELIAS C. HALL, of Quincy, Illinois, have invented certain new and useful Improvements in Fanning Attachments for Rocking-Chairs, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to providing a rocking-chair with a pivoted lever, operated by a dependent standard touching the floor, and connected with the front end of the lever, which is pivoted at about its center below the chair-seat, beyond which its rear end extends, and is connected with a rotating axle by a cord properly wound about one end thereof, the opposite end of the axle being attached, by a cord, to the upper end of a spiral spring, the lower end of which is secured to the adjacent rocker.

The axle is provided at its center with a suitable number of fans, and works at each end on suitable journals in bearings in standards projecting a suitable distance above the back of the chair. Thus, as the chair is rocked, the fans are rotated, and currents of air created about the head of the occupant.

The accompanying drawing is a side elevation of a chair, showing the invention attached, one side of the chair being removed.

A in the accompanying drawings is a standard, the upper end of which is pivoted in the slot *a* to the front end of the lever B, pivoted under the seat of the chair to the pivot-stand D, and extending rearward a suitable distance, its rear extremity being connected, by a cord, E, to one end of the axle F, about which it is wound several times. To the upper ends of the vertical pieces of the back of the chair are secured the standards H, in the upper parts of which are journaled the ends of the axle F, provided at its center, and preferably on opposite sides with the fans I, and at the end opposite that to which the cord E is attached, with a cord, L, extending downward, and connected with the upper end of a spiral spring, M, the lower end of which is secured to the adjacent rocker N.

It is obvious that the number of fans I may be increased, as desired; also, that the axle could be journaled in the upper ends of the vertical pieces of the back of the chair, they being properly extended.

The chair being rocked forward, the standard A forces up the front end of the lever B, depressing its rear end, unwinding the cord E, thus rotating the axle F and fans I, and at the same time winding up the cord L, thus expanding the spring M, the tension of which, as the chair is rocked backward and the cord E slackened, draws on the cord L, unwinding it, rotating the axle and fans I, and thus a current of air is produced at each movement of the chair.

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

The combination, with a rocking-chair, of the standard A, lever B, cords E and L, axle F, fans I, and spring M, all said parts being arranged to operate substantially as shown and described.

In testimony that I claim the foregoing improvements in fanning attachments for rocking-chairs, as above described, I have hereunto set my hand and seal this 15th day of June, 1874.

ELIAS C. HALL. [L. S.]

Witnesses:

THOS. T. WOODRUFF,

WM. B. BULL.