H. LAMPRECHT.

ROCKING CHAIR.

No. 181,787. Patented Sept. 5, 1876.

Fig. I

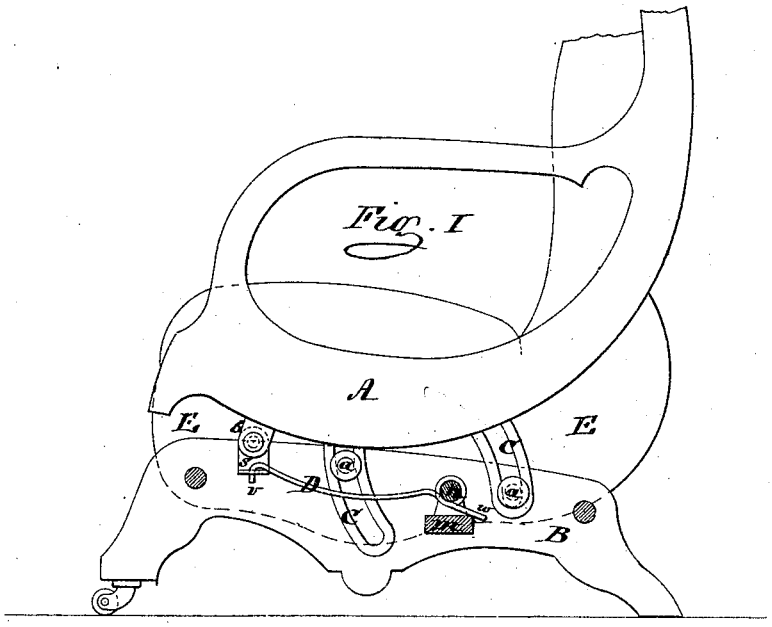
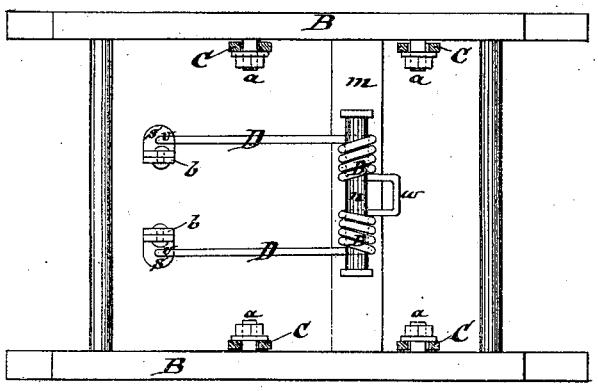


Fig. II.



Witnesses.
W. Ebret.
Aug Korlsch

Inventor.
Hugo Lamprecht
per Henry E. Roeder
Attorney.

UNITED STATES PATENT OFFICE.

HUGO LAMPRECHT, OF NEW YORK, N. Y.

IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **181,787**, dated September 5, 1876; application filed June 13, 1876.

To all whom it may concern:

Be it known that I, HUGO LAMPRECHT, of New York, in the State of New York, have invented certain new and useful Improvements in Rocking-Chairs, of which the following is a specification:

My improvement consists in a certain novel arrangement of the parts of a spring-rocker, consisting of a cross-bar sustaining a rod, carrying the coils of a spring, the central portion of which bears against the cross-bar, and the extremities are arranged for acting on the rocker, while the latter has segmental guides arranged to work downward over bolts upon the inside of the supporting-frame, all substantially as herein set forth.

In the accompanying drawing, Figure I represents a vertical section of my chair, and Fig. II is a plan view.

A designates the rocker of the chair, which is mounted on the sides B of a supporting-frame. Segmental guides C are attached to the rocker, and are arranged to work downward over suitable bolts *a*, fast on the inner sides of the frame B. On the two sides of the rocker A fenders E are attached, to close the opening between the rocker A and the frame B, and at the same time act to retain the rocker in its proper position. *m* is a cross-piece affixed in the side frames B, and a round rod, *n*, is securely fastened to this cross piece or bar. D is a spring having a tendency to bring the rocker continually to its equilibrium. The central part *w* of this spring is bent square, U-shaped, and made to bear with its two arms against the cross-piece *m*. It is then wound around the round bar or rod *n*, right and left handed, and its projecting arms are attached at their ends *v* to brackets *s*, hinged to plates *b*, securely fastened to the under side of the rocker A near the central part of the seat.

By this arrangement of parts, whereby the two ends of the spring are attached to the rocker, and the two parts of the central part *w* of the spring caused to bear against the cross-bar *m*, I obtain four bearing-points of this spring, whereby great tension is obtained, as the spring coils and uncoils at four places when the rocker moves backward and forward, while the arrangement of the guides C upon the rocker instead of on the supporting-frame, and so as to work downward inside of the frame, carries them out of the way and reduces the liability of derangement.

The cross-piece *m* may be provided with a metal lining where the part *w* of the spring bears against the same, to render that part capable of withstanding the strain and wear.

The ends of the segmental guides C will limit the backward and forward movement of the rocker-frame A.

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

In a rocking-chair having a supporting-frame provided with fenders E, the combination of the cross-bar *m*, sustaining a rod, *n*, carrying the coils of a spring, D, the central portion of which bears against the cross-bar *m*, and the two extremities attached to brackets *s*, pivoted to plates *b*, affixed to the rocker, and the latter provided with slotted guides, arranged for working downward over bolts *a* on the inside of the supporting-frame, substantially as set forth.

HUGO LAMPRECHT.

Witnesses:
HENRY E. ROEDER,
J. B. NONES.