J. W. HAMBURGER.
Rocking-Chair.

No. 212,461. Patented Feb. 18, 1879.

Fig. 1.

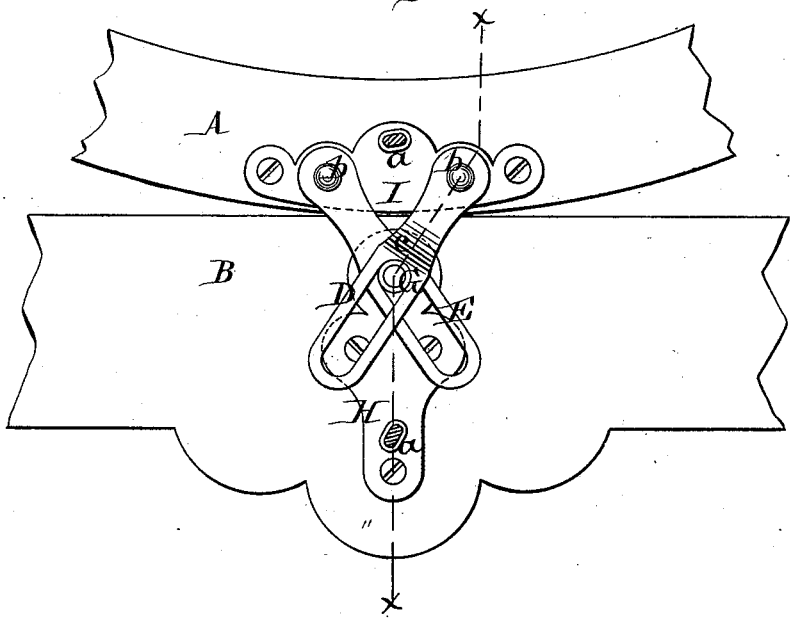
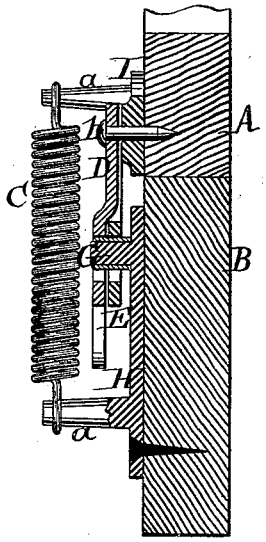


Fig. 2.



Witnesses.
Chas. Wahlers
Wm Keller

Inventor.
Joseph W. Hamburger
by his attys.
Van Santvoord & Lauff

UNITED STATES PATENT OFFICE.

JOSEPH W. HAMBURGER, OF NEW YORK, N. Y.

IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **212,461**, dated February 18, 1879; application filed January 10, 1879.

To all whom it may concern:

Be it known that I, JOSEPH W. HAMBURGER, of the city, county, and State of New York, have invented a new and useful Improvement in Rocking-Chairs, which invention is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a side view of a portion of a chair containing my improvement. Fig. 2 is a vertical cross-section thereof in the line *x x*, Fig. 1.

Similar letters indicate corresponding parts.

My invention relates to stops for that class of chairs consisting of a spring-connected rocking-frame and base-frame; and it consists in combining with said frames two slotted arms, which are pivoted to the rocking frame on opposite sides of its center and cross each other, and a guide-pin common to both arms, attached to the base-frame in its center, so that when the rocking frame is actuated the two arms move lengthwise on the guide-pin, being permitted to assume any position by their pivots, one of the arms having the effect of checking a back motion and the other a forward motion of the rocking frame, and both arms, combined with the action of the spring, having a tendency to bring said frame to a central position.

In the drawings, the letter A designates a portion of the rocking frame, and B is a portion of the base-frame of a rocking-chair, these frames being connected together by a spring, C, hung on pins *a a*, which are situated in the central portions of the frames. D E are two slotted arms, and G is a guide-pin, applied to the frames according to my invention.

The arms E E are pivoted to the rocking frame A on opposite sides of its center, as at *b b*, and they cross each other, while they are both fitted on the guide-pin G, which pin is arranged in the center of the base.

I cast the guide-pin G and one of the pins *a a* on a plate, H, secured to the base-frame B, and prefer to cover the guide-pin with india-rubber, the other of the pins *a a* being cast on a plate, I, secured to the rocking frame, which plate also supports the pivots *b b*.

The plate H has a plain face, so that the arms are situated in a corresponding plane at their pivotal points, and in order that the arms may clear each other at their point of intersection one of them is bent, as at *c*.

When the frame A is rocked the arms D E both move lengthwise on the guide-pin G, being permitted to assume any position by reason of their pivotal connections, one arm, however, moving a less distance than the other in either the forward or back motion of said frame, one of which motions is regulated by the arm D and the other by the arm E; and when said frame A is allowed to follow the action of the spring C—namely, when the chair is vacated—the same is brought to a central position by reason of the peculiar arrangement of the pivots *b b* and the guide-pin G of the slotted arms.

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

The combination, with the spring-connected rocking frame and base-frame of a rocking-chair, of the slotted arms D E, pivoted to the rocking frame on opposite sides of its center, and crossing each other, and the guide-pin G, common to both arms, fastened to the base-frame in its center, all constructed and adapted to operate substantially as hereinbefore described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 30th day of December, 1878.

JOSEPH W. HAMBURGER. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.