

J. LOCH.
Rocking-Chair.

No. 220,851.

Patented Oct. 21, 1879.

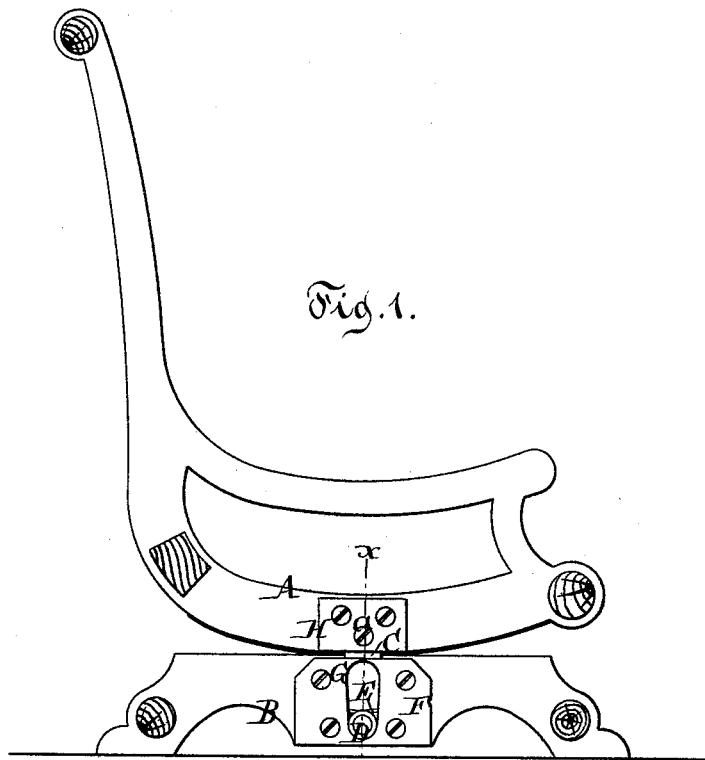


Fig. 2.

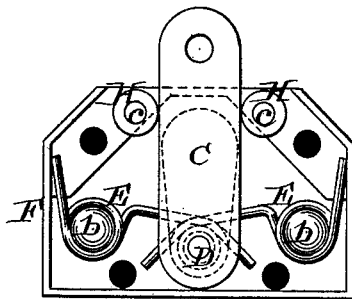
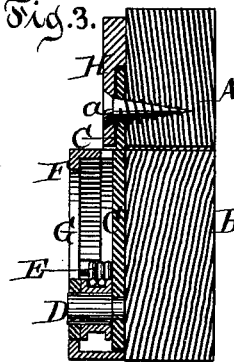


Fig. 3.



Witnesses.

Chas. Wahlers.
William Miller

Inventor.

Joseph Loch
by Van Genter & Hauff
his attys

UNITED STATES PATENT OFFICE.

JOSEPH LOCH, OF NEW YORK, N. Y.

IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **220,851**, dated October 21, 1879; application filed March 29, 1879.

To all whom it may concern:

Be it known that I, JOSEPH LOCH, 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 vertical central section of a chair embodying my invention. Fig. 2 shows the spring-stop mechanism looking at the rear or inner side of the case by which it is inclosed. Fig. 3 is a vertical cross-section of the same, the plane of section being indicated by the line *x x*, Fig. 1.

Similar letters indicate corresponding parts.

My invention relates to that class of chairs in which the rocking-frame rests on a base-frame; and it consists in combining with the frames an arm which is pivoted to the rocking-frame, and carries a stop-pin at its lower end, a case which is secured to the base-frame and adapted to admit the arm, while it contains a slot, whereby the stop-pin is guided and arrested, and one or two springs which are attached to said case in the interior thereof, and bear on the stop-pin, so that while the rocking-frame is retracted by the springs, and is checked in its forward and back motions, the mechanism used can be readily applied to the chair, and, moreover, is hidden and protected to a great extent.

In the drawings, the letter A designates the rocking-frame and B the base-frame; C, the pivoted arm carrying a stop-pin, D; E, the springs, and F the inclosing-case, having a slot, G.

The pivoted arm C is, preferably, covered by a plate, H, at the point where it is attached to the rocking-frame A, and its pivot, *a*, consisting of a screw, is passed through this plate into the frame.

The case F is secured to a suitable part of the base-frame B, and the pivoted arm C enters the case through an opening formed in its top part, while the pin D projects from said arm at or near its lower end, so as to enter the slot G, which serves to guide the pin and to arrest the same in the motions of the rocking-frame.

The springs E consist of pieces of wire coiled on the pins *b*, (see Fig. 2,) projecting from the inner surface of the case F, and their free ends are arranged to bear on the pin D

with a tendency to draw the arm C downward.

At the point where the springs E bear on the pin D, as well as where the pin bears on the edge of the slot G, the pin is covered with india-rubber, leather, or other similar material, to render the chair noiseless in action, and with a like view I cover the rocking-frame A with a layer of felt or other similar material on its lower surface.

The letter H designates anti-friction rolls, which are mounted on pins *c* projecting from the inner surface of the case F, and bear on opposite sides of the pivoted arm C, as shown in Fig. 2.

In the motions of the rocking-frame A the pin D moves up and down in the slot G by the action of the arm C, which latter, at the same time, allows the pivot *a* to turn, whereby the motions of the frame are regulated, while, by the action of the springs E, the rocking-frame is returned to and held in the proper position on the base-frame.

The anti-friction rolls *c* guide the arm C in its up-and-down movements, without interfering with such movements, and without noise.

It will be seen that the greatest portion of the mechanism of my fixture is inclosed by the case F. By this arrangement its application to the chair is made very easy, and it is also hidden from view, besides being protected.

It may be remarked that the anti-friction rolls *c* can be used without the case F.

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

The combination, in a rocking-chair, with the rocking-frame and the base-frame, of an arm which is pivoted to the rocking-frame, and carries a stop-pin at its lower end, a case which is secured to the base-frame and adapted to admit the arm, while it contains a slot whereby the stop-pin is guided and arrested, and one or two springs which are attached to the case in the interior thereof, and bear on the stop-pin, all adapted to operate substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 22d day of March, 1879.

JOSEPH LOCH. [L. S.]

Witnesses:

W. HAUFF,
CHAS. WAHLERS.