

(No Model.)

S. CHAMBERS.
ROCKING CHAIR.

No. 508,403.

Patented Nov. 14, 1893.

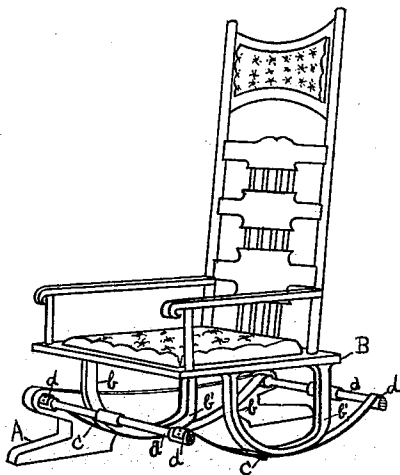


Fig. I.

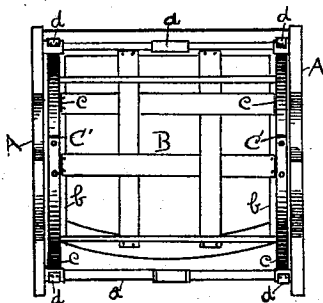


Fig. II.

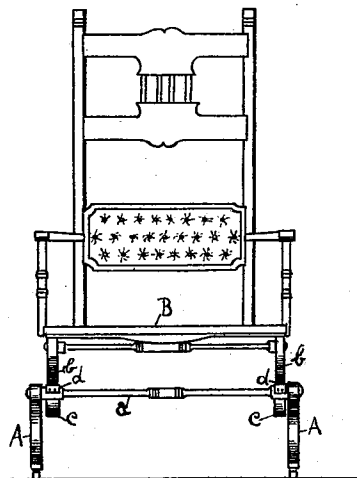


Fig. III.

Fig. IV. —



WITNESSES:

Charles Watson.

J. O. Keefe

Solomon Ligandee INVENTOR

BY
A. B. Lanthorn
ATTORNEY

UNITED STATES PATENT OFFICE.

SOLOMON CHAMBERS, OF BAY CITY, MICHIGAN.

ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 508,403, dated November 14, 1893.

Application filed April 17, 1893. Serial No. 470,637. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON CHAMBERS, a citizen of the United States, residing at Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Rocking-Chairs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to rocking chairs, and its special feature is the flexible support and form of rocker shown and described.

Figure I is a perspective of the chair with part of base broken away. Fig. II is a bottom view. Fig. III is a front view. Fig. IV is a side view of the support for the rocker.

A is the base consisting of two parallel sides connected by rods and braces so as to be firm.

a, a , are rods connecting the sides at or near the top of each end of each side. These rods are adapted to turn freely in their sockets in the side pieces, as hereinafter described. At or near the ends of these rods are secured the flexible supports c, c , for the rockers, stretching from the front rod to the rear under each rocker. These supports may be straps of leather or a flat spring, or any other flexible material. Resting on these flexible supports is the chair B, consisting of the ordinary seat and back. The seat, however, rests upon two yokes b, b , under each side thereof, and these yokes form the rocker and rest upon and are secured to the flexible supports, c, c . These yokes b, b , are not perfect yokes, in that the arms of each are not uniform, viz: The rear b' joins the curve of the yoke more abruptly than the front arm. The purpose of this is to prevent the chair rocking back too far. The same result would be obtained by securing the flexible support to the yoke nearer the front of the yoke.

By using a flat spring, which I prefer to do on account of the spring making the action freer and quicker, I find there is a tendency to break the spring in front of the rocker as the chair rocks back. To overcome this I make the spring plate in two parts, and secure the front part to the bottom of the rocker

by a hinge, c' , so that as the chair rocks rearward the spring plate will move on the hinge c' instead of being bent and strained. The rear part of the plate I secure rigidly to the rocker. The said difficulty is also overcome by journaling the ends of the rods a, a , in the sides A, A, so that as the spring is depressed they will turn in their sockets, thereby releasing the strain.

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

1. A rocking chair consisting of a base, a seat and back supported on arms of inverted yokes, one on each side of the seat, flexible straps secured underneath the yokes to the base and to the yokes in front of the middle thereof, the front end of the straps being secured to a round journaled in the sides of the base, substantially as and for the purpose set forth.

2. In a rocking chair, the combination with the flexible supports for the rockers consisting of straps made of flexible material secured underneath the rockers to the base and made in two parts; one part secured in the rear of the rocker to the base, the other end secured to the rocker, the other part hinged to the rocker, its other end secured to a round in the front of the base, and the round journaled in the front end of the base and adapted to turn as the chair rocks forward, of the rockers depending from the seat of the chair and consisting of yokes whose arms are connected to the seat of the chair, its bow resting upon and secured to the flexible straps, the rear arm of the yoke uniting with the bow of the yoke more abruptly than the front arm, substantially as and for the purpose set forth.

3. In a rocking chair provided with flexible supports for the rockers, the round in the front of the base journaled in each side thereof, to which the front ends of the flexible supports are secured, whereby when the chair is rocked the round will turn in its sockets, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

SOLOMON CHAMBERS.

Witnesses:

A. H. SWARTHOUT,
FANNIE ROBBINS.