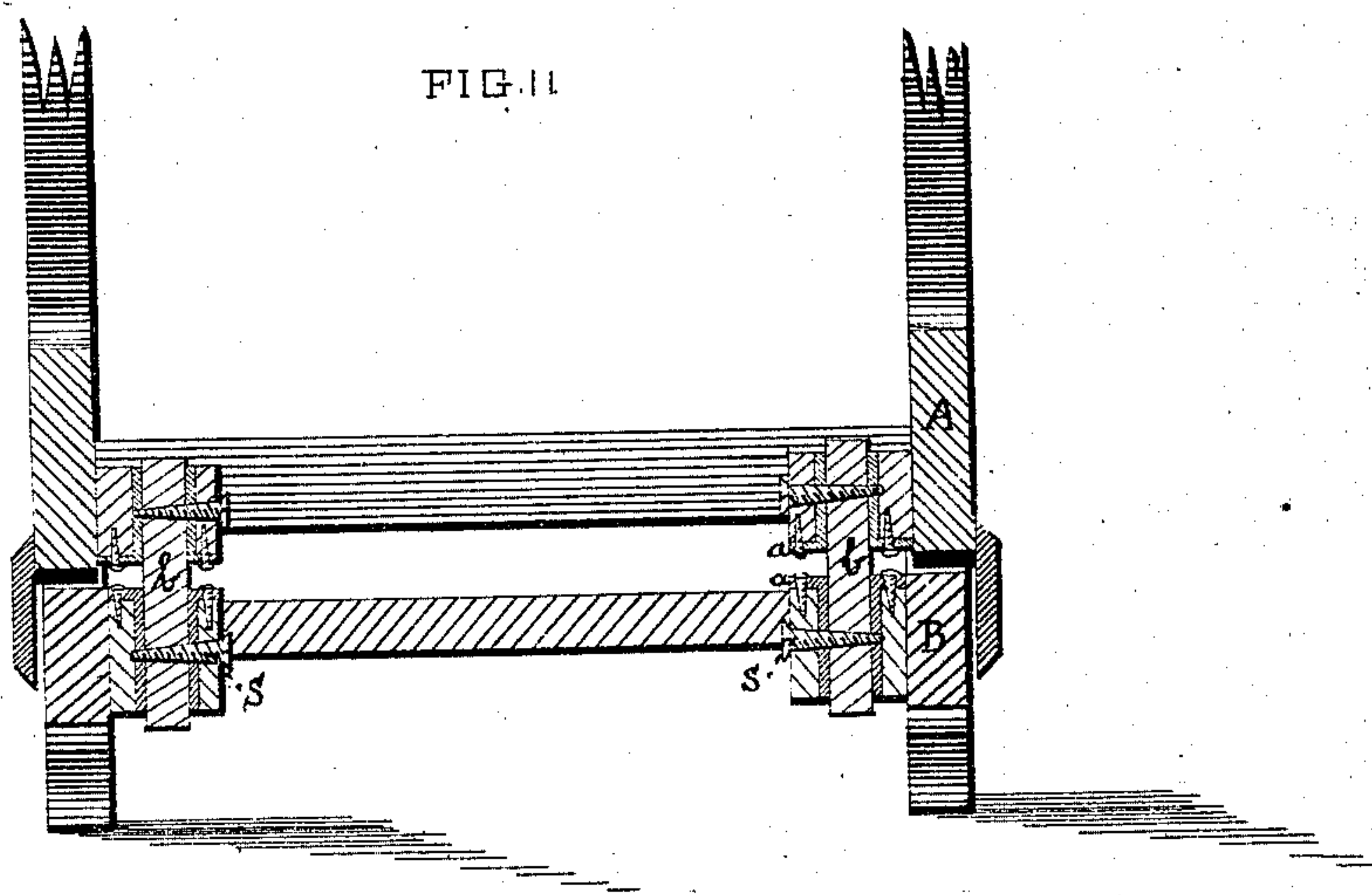
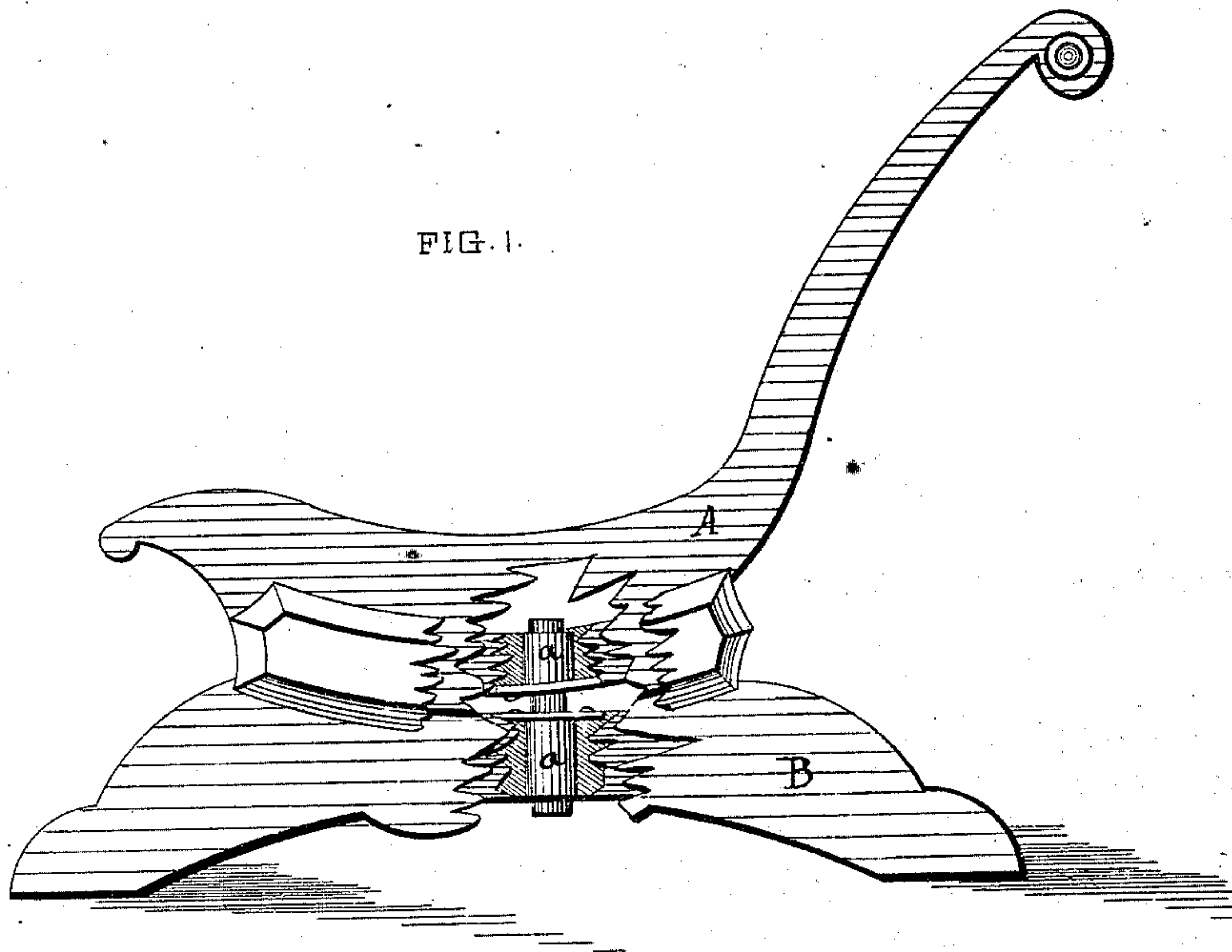


H. S. CARTER.
Rocking-Chairs.

No. 156,130.

Patented Oct. 20, 1874.



WITNESSES.

R. K. Evans
Wm. H. Moton

INVENTOR.

Henry S. Carter
by his Atty.
W. H. Evans & Co.

UNITED STATES PATENT OFFICE.

HENRY S. CARTER, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **156,130**, dated October 20, 1874; application filed August 12, 1874.

To all whom it may concern:

Be it known that I, HENRY S. CARTER, of Chicago, Illinois, have invented a new and useful Improvement in Rocking-Chairs, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of the rocking-chair. Fig. 2 is a vertical section of the same.

My invention relates to that class of rocking-chairs in which the rocking motion is given by means of springs intervening between the upper and lower frames; and it consists in the combination, with india-rubber ligaments, of metallic thimbles, as hereinafter set forth.

To enable others skilled in the art to make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the drawings, A B represent the upper and lower frames of a rocking-chair, so curved at the point of contact as to allow the upper portion to have a rocking motion. Through these frames, at a proper point of contact, I make a hole about an inch in diameter, more or less, and into each portion I fit the thimble *a* flanged on the side of contact, as shown in Fig. 2. This metallic thimble is made perfectly smooth on the edge and end next the flange, to prevent the abrasion or wearing of the rubber ligament *b*, which is made to fit snugly in the thimbles. The india-rubber ligament or cord being cut into proper lengths is passed through thimbles *a*, as shown in the

drawings, and secured by the screws *s*, or any other suitable fastenings.

It is apparent from the above description that, while the rubber ligaments securely bind together the upper and lower frames of the chair, the elasticity of the ligament will permit an easy pleasant rocking motion to the upper frame, while at the same time the flanged thimbles *a* prevent the abrasion of the rubber.

This construction not only furnishes a delightful rocking-chair at a reduced cost to the consumer, but one that can be repaired at a trifling cost, when the rubber ligaments become worn or damaged from any cause.

I am aware that spiral and other metallic springs have been used in a manner somewhat similar; but the peculiar rocking motion of the chair, by constantly bending the metal in opposite directions, soon disintegrates the metal and destroys the spring. To overcome this great objection to metallic springs in rocking-chairs is one of the purposes of my invention.

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

In a rocking-chair, the combination, with the frames A B, provided with the thimble *a*, of the rubber ligament, as and for the purpose set forth.

HENRY S. CARTER.

Witnesses:

S. M. ANGLE,
A. C. HOLLOWAY.