T. J. Palmer,

Oscillating Chair.

No. 102,701 Patented May 3. 1870.

Fig. 3.

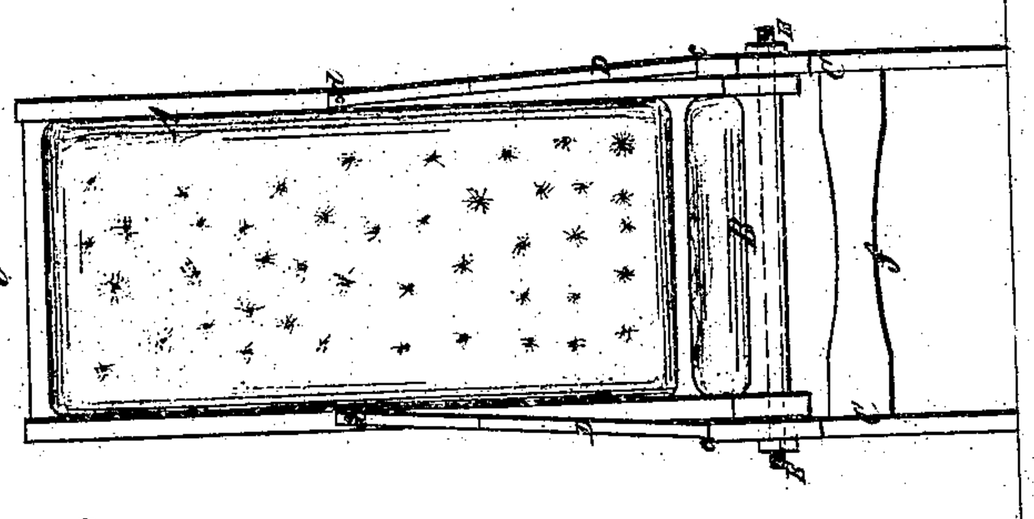

Fig. 1.

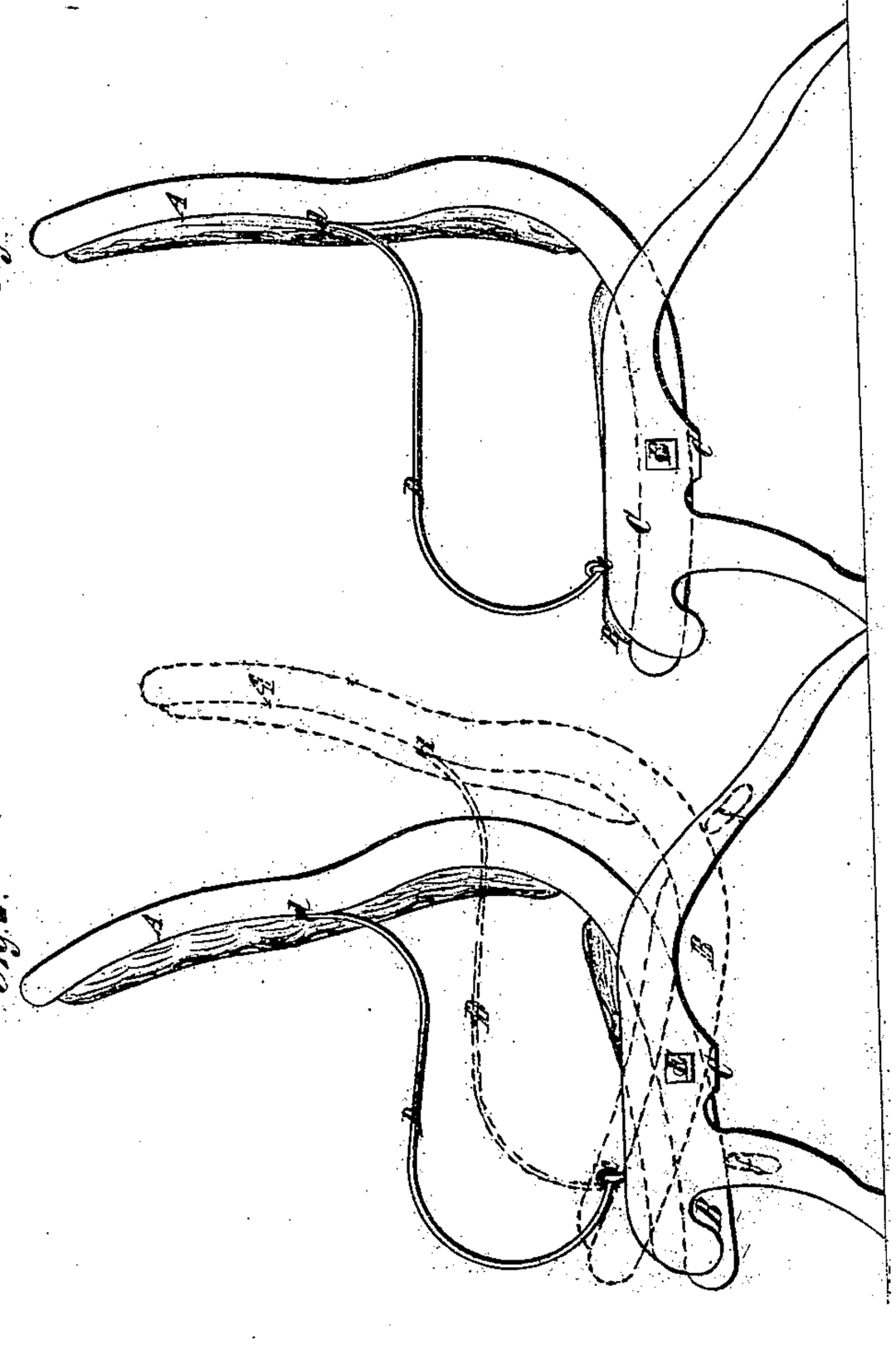

Fig. 2.

Witnesses

Henry T. Brown
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THEODORE J. PALMER, OF NEW YORK, N. Y.

IMPROVED ROCKING AND RECLINING CHAIR.

Specification forming part of Letters Patent No. **102,701**, dated May 3, 1870.

To all whom it may concern:

Be it known that I, THEODORE J. PALMER, of the city, county, and State of New York, have invented a new and useful Improvement in Rocking and Reclining Chairs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention consists in providing for the rocking or the adjustment of the inclination of the back and seat of a chair relatively to the base to which they are pivoted by means of arms composed of springs.

In the accompanying drawings, which illustrate the principal features of my invention, Figure 1 is a side elevation of a chair, showing the back and seat in their natural or central position. Fig. 2 is a similar view, showing the back and seat in the extreme forward position in bold outline and in the extreme backward position in dotted lines; and Fig. 3 is a front view of the chair in the same position as in Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

A is the back, and B is the seat, of the chair. C C *f f* is a base-frame, composed of side pieces, C C, and cross pieces or braces *f f*. E is a hinge or pivot, and D D are two elastic arms.

In this chair the back A and seat B are firmly secured together, and are pivoted or hinged to the base-frame C by the pivot E. The elastic or spring arms D D, which are made of spring-steel, are securely connected at their lower ends to the base-frame C at *c*, and at their upper ends to the back A at *d*. When the chair is moved forward or backward from the position shown in Fig. 1 a tension is produced on the spring-arms D D, which tends to replace the back and seat to their former position, thus facilitating the easy rocking of the chair to the person sitting therein. The cross pieces or braces *f f* of the base-frame are so arranged relatively to the back and seat of the chair as to limit their backward-and-forward movement or degree of inclination relatively to the said base-frame C. These spring-arms D D may be cushioned, as the arms of rocking-chairs usually are.

The inclination of the back and seat of the chair relatively to the base-frame may be permanently adjusted to make the chair serve as a reclining-chair by means of suitable clamps applied thereto.

My invention is also applicable to chairs in which the seat and base are secured together and the back hinged or pivoted to the back portion of the seat, and in which it may be desirable to adjust them relatively to each other.

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

The combination of the elastic arms D D with the back A and base C of a chair, substantially as and for the purpose herein described.

THEODORE J. PALMER.

Witnesses:

HENRY T. BROWN,

HENRY PALMER.