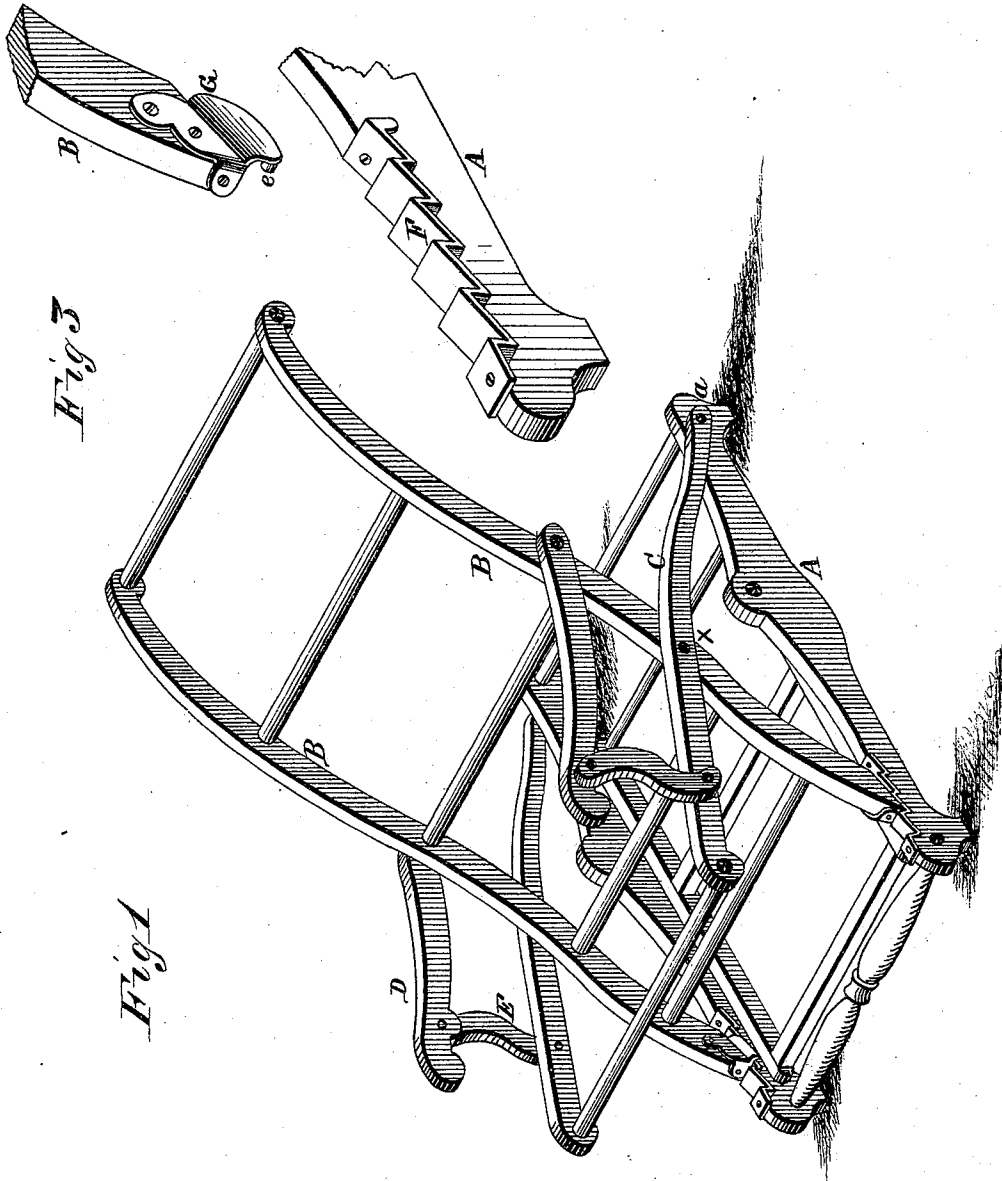


C. M. ALEXANDER.
RECLINING CHAIR.

No. 170,503.

Patented Nov. 30, 1875.



WITNESSES
Frank L. Curand
S. P. Hollingworth ^{By}

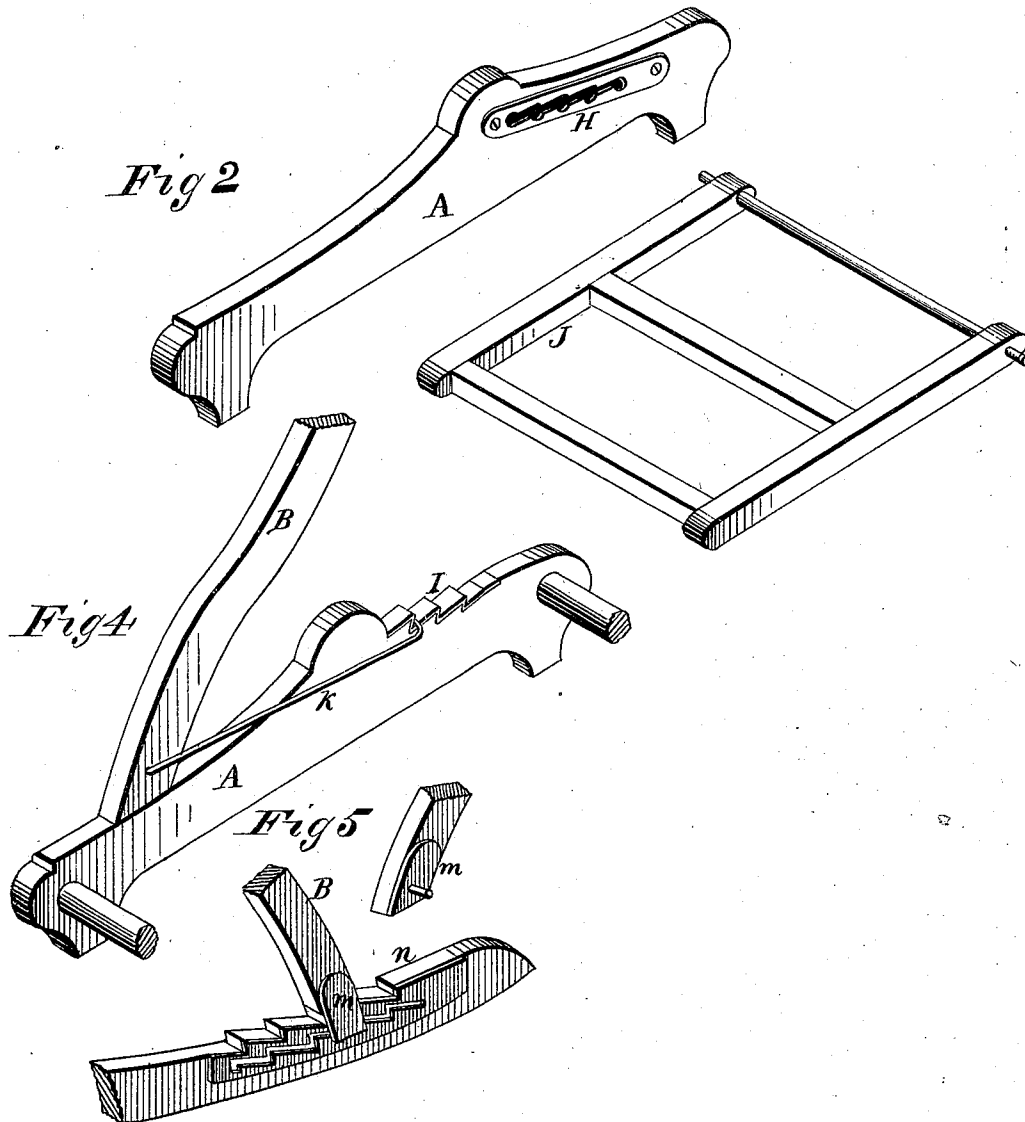
C. M. Alexander ^{INVENTOR}
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UNITED STATES PATENT OFFICE.

CHARLES M. ALEXANDER, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN RECLINING-CHAIRS.

Specification forming part of Letters Patent No. **170,503**, dated November 30, 1875; application filed October 4, 1875.

To all whom it may concern:

Be it known that I, CHAS. M. ALEXANDER, of Washington, and in the District of Columbia, have invented certain new and useful Improvements in Folding and Reclining Chairs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the combination with a reclining-chair, such as will be hereinafter described, of a metallic shoe upon one part of the chair and a metallic tip upon another, the shoe and tip so connected as to prevent the parts of the chair which they connect from separating beyond a desired distance, as will be set forth; also, in the combination of a square base with the side bars of a chair, said side bars being adjustable upon said base, as will also be described.

In the annexed drawings, making part of this specification, Figure 1 represents a perspective of my chair complete, with the exception of the upholstery, and the other figures represent detached portions and modifications, which will be described.

In the drawings, A represents the base of the chair, which consists of two side bars of suitable configuration and shape, which are placed at a distance from, and parallel to, each other, according to the width it is desired to make the chair, being connected to each other by suitable rounds, as seen. B and C represent the side bars of the chair. These bars cross each other in X form. The bars C C are pivoted to the base-pieces A at the rear ends of said base-pieces, and are then pivoted to the bars B B at their points of intersection, as seen at *a* and *x*. The base-pieces in Fig. 1, it will be seen, are notched on their upper edges near their forward ends, and these notches are covered and shielded by a corresponding notched or serrated metallic shoe, F. This metallic shoe may be made to cover the entire upper surface of the forward end of the base-pieces or only a portion of it. In Fig. 1 the shoe covers the upper surface of the base-bars, and extends slightly over the inner edges of same. Upon the lower ends of the bars B B are metal plates G, which have formed upon them small lugs *e e*. These lugs catch under the project-

ing edges or flanges of the shoes, and thus prevent a separation of the bars B from the bars A. Of course, sufficient play is allowed between the shoes and the lugs on the plate that the end of bar B can pass from one notch to another on bars A. In Fig. 5 a metallic plate is used, which is secured upon the side of the base-piece. This plate is provided with a step-groove, as seen, which, together with the plate *m*, with its pin, forms a modification of the device seen in Fig. 1. This plate (seen in Fig. 5) does not extend over the entire upper surface of the base-piece, but over sufficient to protect the wood from damage. In Fig. 4 I show serrated plates or notches on the rear upper surface of base-pieces A. A rod, K, pivoted to bars B B, is used in this case to pass back and catch into the notches on the base-piece, to hold the parts of the chair in position. Still another device may be used, similar to the latch J, which is pivoted to the bars B B, and has arms, which pass into a serrated groove on the inner sides of the rear ends of the base-pieces. These improvements of the metal shoes and catches are intended not only for use on this chair, but more particularly upon the patent of Abel Russel, of February 18, 1873, which was assigned to me, and in which I now own a large interest.

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

1. A serrated or notched metallic shoe upon the base of a folding or reclining chair, in combination with a metal tip or plate upon the moving bar of said chair, the tip having a lug or suitable device to engage with the shoe, as is herein fully set forth, for the purpose specified.

2. The square base A A of an adjustable folding and reclining chair, in combination with the bars B B and C C, the bars C being pivoted or hinged to the base, and bars B adjustable in notches or mortises in same, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of September, 1875.

C. M. ALEXANDER.

Witnesses:

MARTIN L. STOWELL,
J. M. MASON.