

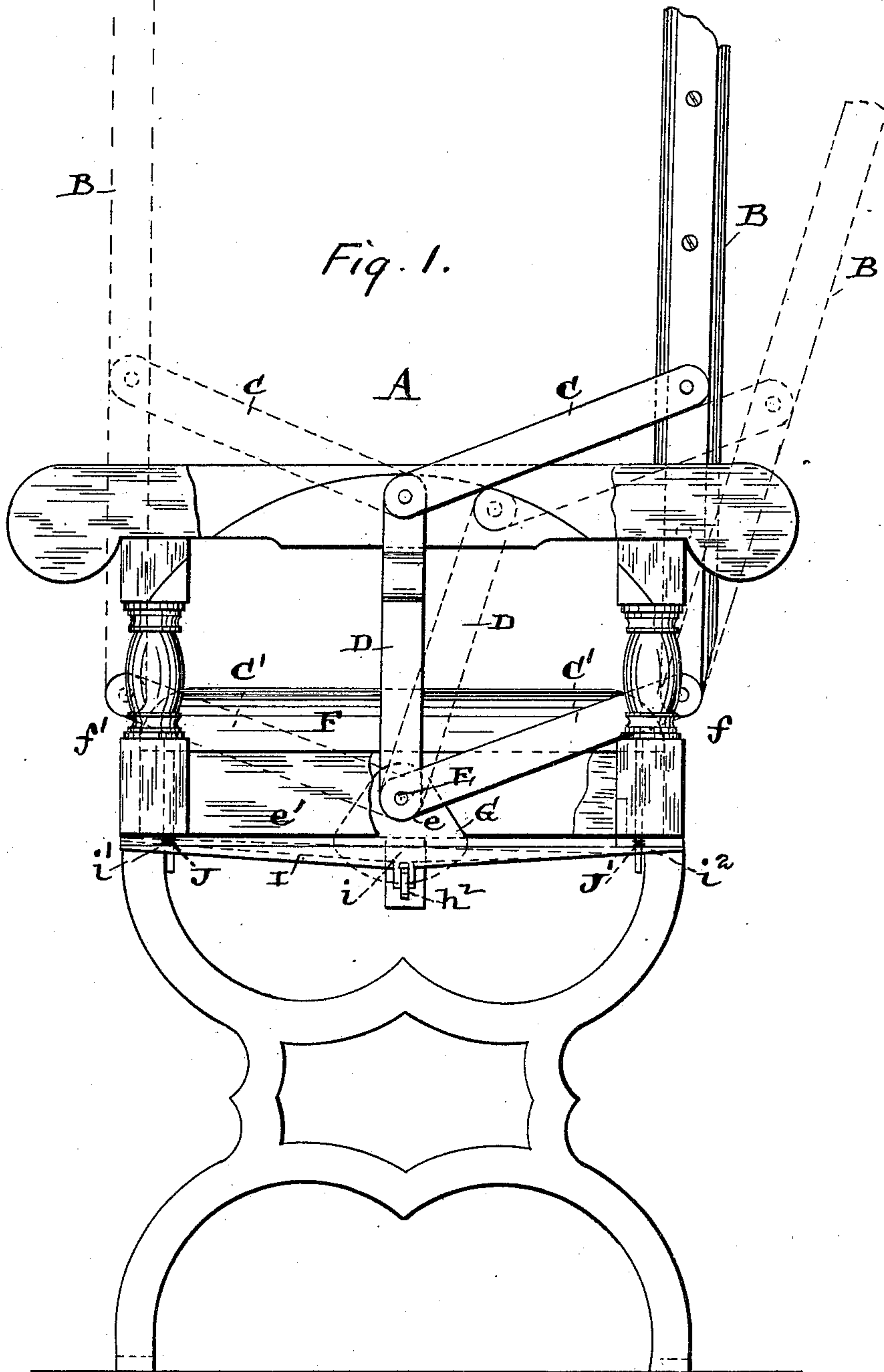
(No Model.)

2 Sheets—Sheet 1.

O. E. MICHAUD.
CHAIR.

No. 432,423.

Patented July 15, 1890.



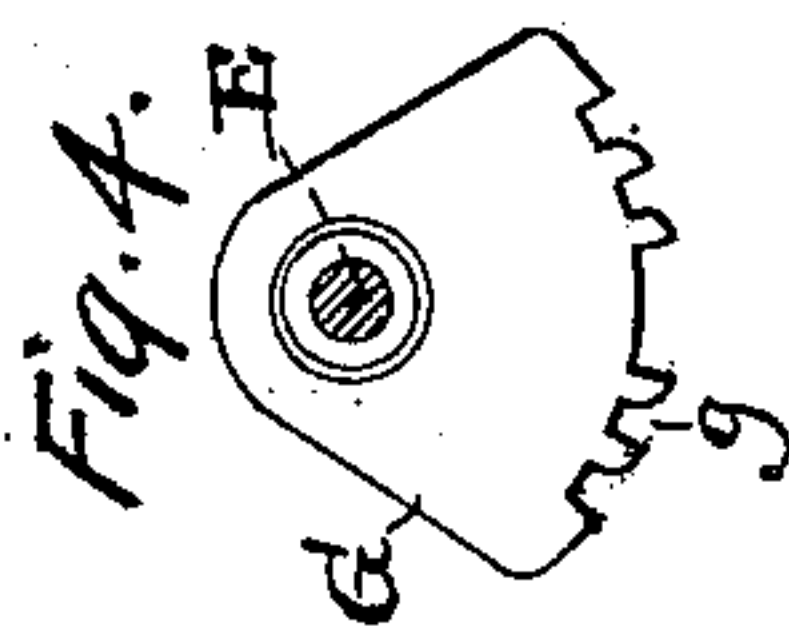
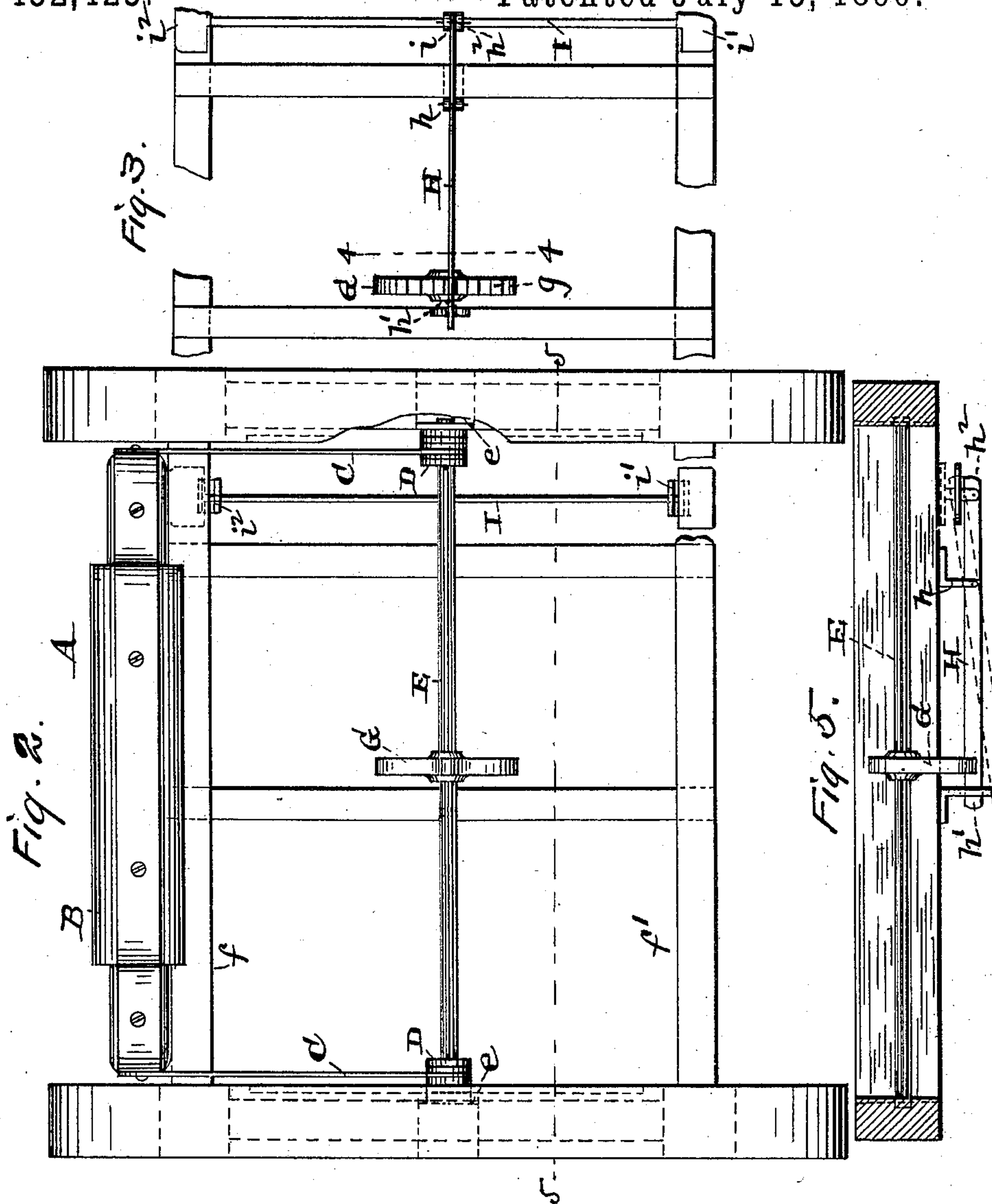
Witnesses:
W. H. Stanford
B. H. Rex

Inventor:
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UNITED STATES PATENT OFFICE.

ONESIME E. MICHAUD, OF ST. LOUIS, MISSOURI.

CHAIR.

SPECIFICATION forming part of Letters Patent No. 432,423, dated July 15, 1890.

Application filed December 16, 1889. Serial No. 333,856. (No model.)

To all whom it may concern:

Be it known that I, ONESIME E. MICHAUD, of St. Louis, Missouri, have made a new and useful Improvement in Chairs, of which the following is a full, clear, and exact description.

The improvement relates to those chairs whose backs can be inclined and reversed, and, without being restricted thereto, it is especially adapted to railway passenger-cars.

The improvement consists in the special means whereby the chair-back can be reversed and inclined, substantially as is hereinafter set forth and claimed, aided by the annexed drawings, making part of this specification, in which—

Figure 1 is a side elevation of the improved chair. A portion of the near arm is broken away to exhibit the parts beyond. A portion of the back is also broken off. The dotted lines indicate different positions in which the back may be placed. Fig. 2 is a plan view of the chair; Fig. 3, a bottom view showing a portion of the mechanism beneath the chair-seat used in operating the back; Fig. 4, a section on the line 4 4 of Fig. 3, and Fig. 5 a section on the line 5 5 of Fig. 2.

The same letters of reference denote the same parts.

A represents the chair. It is of the usual form, saving as it may be modified or supplemented by the improvement under consideration. Its back B is connected by means of the links C C' with the links D and shaft E, thereby enabling the back to be shifted from its position at one side *f* of the chair-seat F to the opposite side *f'* of the chair-seat, the two positions being shown in the full and the broken lines. In either of its positions the back can be inclined more or less from a perpendicular, to which end the shaft E is rotatable in its bearings *e e* and the links D are fastened to the shaft E to turn therewith. The two positions of the links D are shown in the full and the broken lines, Fig. 1.

To enable the back to be held at the desired inclination, the shaft E is provided with a notched segment G. A bar H, pivoted to a fulcrum-plate *h*, coacts with the segment. When the end *h'* of the bar engages in a notch *g* of the segment, the shaft E is locked so that it cannot rotate and the chair-back thereby is

held at the desired angle, and when the bar is disengaged from the segment the back is free to be readjusted to another inclination.

To operate the bar H in turn, the following means are preferred: I represents a lever jointed at its middle *i* to the outer end *h²* of the bar H, and at both ends *i' i²*, elastically depressed by springs J J', which at the upper end thereof bear against the seat-frame *e'* and at the lower end thereof upon the lever I. By pressing upward the lever I the outer end *h²* of the bar H is thereby elevated sufficiently to disengage its end *h'* from the segment G. When the upward pressure upon the lever H ceases, the springs J' J² again depress it and the connected end *h²* of the bar H, causing said bar to engage the proper notch in the segment and lock the latter, the chair-back having previously been placed on the desired side and in the desired position.

I claim—

1. In a reversible chair, the combination, with the frame, seat, and back, of the central transverse shaft E, having bearings in the side railings of the seat, the vertical links D, connected to, rising from, and turning with said shaft, the links C, connecting the upper ends of the links D and the middle portions of the side bars of the back, and the links C', connecting the lower ends of said side bars and the lower ends of the links D, substantially as specified.

2. The combination, with the frame, seat, back, central transverse shaft E, links D, rising from and turning with said shaft, and links C C', connecting the links D and the back, of the toothed segment G, secured about centrally to the shaft E, the fulcrum-plate *h*, secured to the chair-frame, the bar H, pivoted to said plate and arranged to engage in the notches of the segment, the lever I, extending along one side of the chair-frame and pivoted centrally to the other end of the bar H, and the springs I' I² between the seat-frame and the ends of the lever I, and serving to depress the latter, substantially as specified.

Witness my hand this 7th day of December, 1889.

ONESIME E. MICHAUD.

Witnesses:

C. D. MOODY,
C. C. LOGAN.