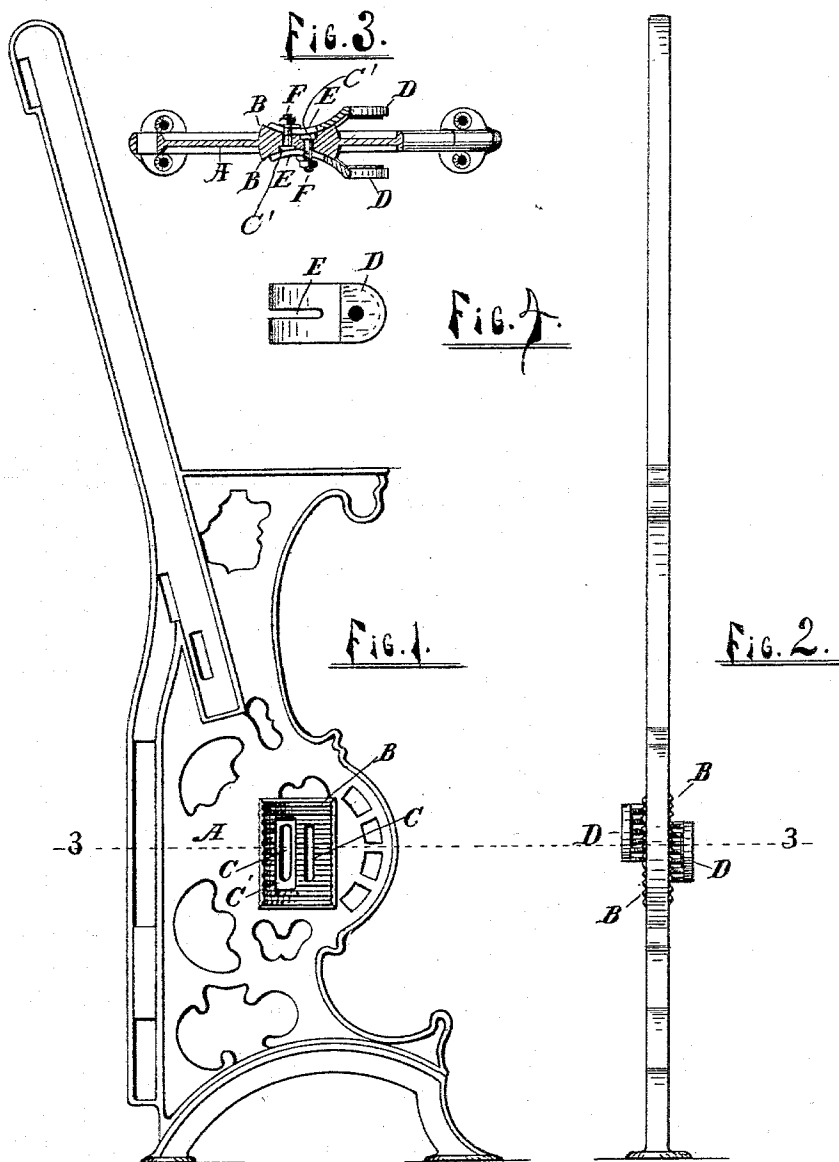


(No Model.)

A. D. LINN.
ADJUSTABLE OPERA CHAIR FRAME.

No. 531,848.

Patented Jan. 1, 1895.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALLEN D. LINN, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO THE GRAND RAPIDS SCHOOL FURNITURE COMPANY, OF SAME PLACE.

ADJUSTABLE OPERA-CHAIR FRAME.

SPECIFICATION forming part of Letters Patent No. 531,848, dated January 1, 1895.

Application filed September 14, 1894. Serial No. 523,063. (No model.)

To all whom it may concern:

Be it known that I, ALLEN D. LINN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in an Adjustable Opera-Chair Frame; and I do hereby 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.

My invention relates to an improved adjustable opera chair frame, and its object is to provide the same with certain new and useful features, hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of an opera chair frame embodying my invention with the seat pivot plates removed; Fig. 2, a front elevation of the same with said plates attached; Fig. 3, a horizontal section of the same on the line 3—3; and Fig. 4 a detail of the seat pivot plate.

Like letters refer to like parts in all of the figures.

A represents the chair frame, which consists of an iron casting of any suitable design and construction, which is provided at each side with opposite seats B, said seats having vertical faces, oppositely curved about a vertical axis and suitably located to receive the seat pivot plates D, and also provided with vertical slots C, C, oppositely countersunk as at C', for the reception of suitable bolts F to secure said pivot plates in place. Said pivot plates D are provided with suitable openings to receive the pivot bolts of the seats in the usual way, and have also curved extensions to fit the seats B and are also provided with longitudinal slots E whereby said extensions are longitudinally adjusted on the seats B. Said extensions and seats are also provided with horizontal interlocking corrugations to aid the bolts in holding the said plates in place.

By the described construction the seats are connected in a continuous line and may be

vertically adjusted to suit. By moving the pivot plates vertically and by turning said plate horizontally on the seats B, the line of chairs may be adjusted to any desired curvature. When the plates D are adjusted in parallel planes the chairs would of course be in a right line and by moving the plates either way from this position, the line of chairs would be either concave, or convex as required, and adjusted to any curve, regular, irregular, or ogee at pleasure.

What I claim is—

1. In combination with the frame of an opera chair, pivot plates for the seat pivots having curved and slotted extensions, said extensions being attached to said frame, and also being both vertically and horizontally adjustable thereon, substantially as described.

2. In an adjustable opera chair frame, a frame having a seat for the pivot plate having its surface vertical and curved about a vertical axis, and a pivot plate having a curved and slotted extension longitudinally adjustable upon said seat, and a binding bolt for said pivot plate, whereby the line of chairs may be adjusted, substantially as described.

3. In combination with the frame of an opera chair, opposite concave seats, having oppositely countersunk vertical slots seat pivot plates having curved and slotted extensions to fit said seats, and bolts to secure and adjust said plates, whereby the elevation of the chair seats and line of the same may be adjusted, substantially as described.

4. In combination with the frame of an opera chair, oppositely curved seats on said frame having oppositely countersunk vertical slots, and horizontal corrugations, seat pivot plates having curved extensions to fit said seats said seats being longitudinally slotted and corrugated, and bolts to secure and adjust said plates, substantially as described.

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

ALLEN D. LINN.

Witnesses:

LUTHER V. MOULTON,
LEWIS E. FLANDERS.