(No Model.)

D. W. GARINGER.

OPERA CHAIR.

No. 348,552. Patented Sept. 7, 1886.

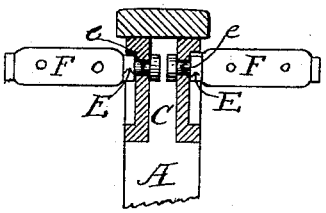

Fig. 4.

Fig. 3.

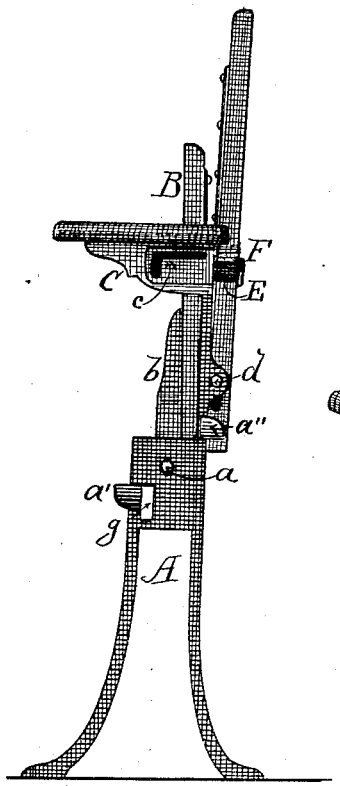

Fig. 2.

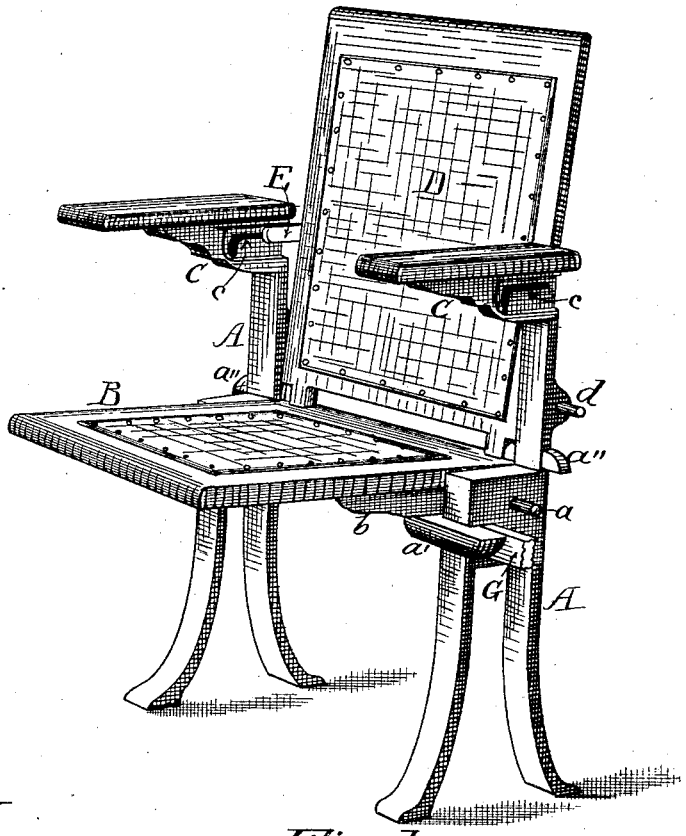

Fig. 1.

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UNITED STATES PATENT OFFICE.

DANIEL W. GARINGER, OF CLEVELAND, OHIO.

OPERA-CHAIR.

SPECIFICATION forming part of Letters Patent No. 348,552, dated September 7, 1886.

Application filed February 25, 1886. Serial No. 193,152. (No model.)

To all whom it may concern:

Be it known that I, DANIEL W. GARINGER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Opera-Chairs, of which the following is a specification.

This invention relates to opera-chairs; and it consists in certain peculiar features of construction and combinations of parts, as hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved opera-chair. Fig. 2 is a side elevation showing the seat folded up. Fig. 3 is a detached view of the back-shifting support. Fig. 4 is a sectional view of the arm of the chair, showing the slotted portion in which the said back-shifting support plays.

A represents the supports of the chair, which I make of cast metal. That below the seat may be made double and in such ornamental pattern as taste may dictate, that portion where the seat is pivoted being made solid and provided with pivotal pins *a* for that purpose. B is the seat to which are attached metal bearings *b*, which turn upon the said pins *a*. The supports A also have lugs or projections *a'* and *a''*, against which the seat B rests when the seat is down, as seen in Fig. 1.

The top portion of support A is provided with a bifurcated arm, C, in the sides of which are made angular slots *c c*.

D is the back, which is pivoted on pins *d* fixed in the supports A in like manner to *a*. To the middle part of the frame of the back are attached supporting-bars E, provided with plate F by which they are secured with screws. The forward end of the bar E is provided with a pin, *e*, which is inserted in the slot *c* of the arm C, the pin having a head which prevents the pin being withdrawn from the slot. Recesses *c'* are made in the sides of the arms C for the bars E to ride in, so that the bars shall not project beyond the surfaces of the arms. The lower end of the back-frame rests on the back edge of the seat when the seat is turned down, as seen in Fig. 1.

The seat, back, and arms may be finished and upholstered as taste may desire. Two or more of these supports A are joined together by means of a bar, G, passed through a mortise, *g*, in the solid part beneath the seat, and secured therein serves to bind them together.

The turning up of the seat throws the top of the back forward by the rear part of the seat pressing against the lower part of the back, thus carrying the bars E forward in the slots *c*, then the back will drop down the distance of the perpendicular portion of said slots, the edges of the back-frame having slots for the pins *d* to allow the back to drop, as stated. This secures the back and seat from falling back again until the seat is thrown down by hand.

Having described my invention, I claim—

The combination, with the supports A, provided with pivotal pins *a d*, stops or projections *a' a''*, and the bifurcated arms C, having slots *c c*, of a seat, B, turning on said pins *a*, and a back, D, pivoted on pins *d* and provided with supporting-bars E, having pins *e* playing in said slots *c c*, constructed and operating substantially as described.

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