

(No Model.)

J. BRIGGS.
FOLDING CHAIR.

No. 328,181.

Patented Oct. 13, 1885.

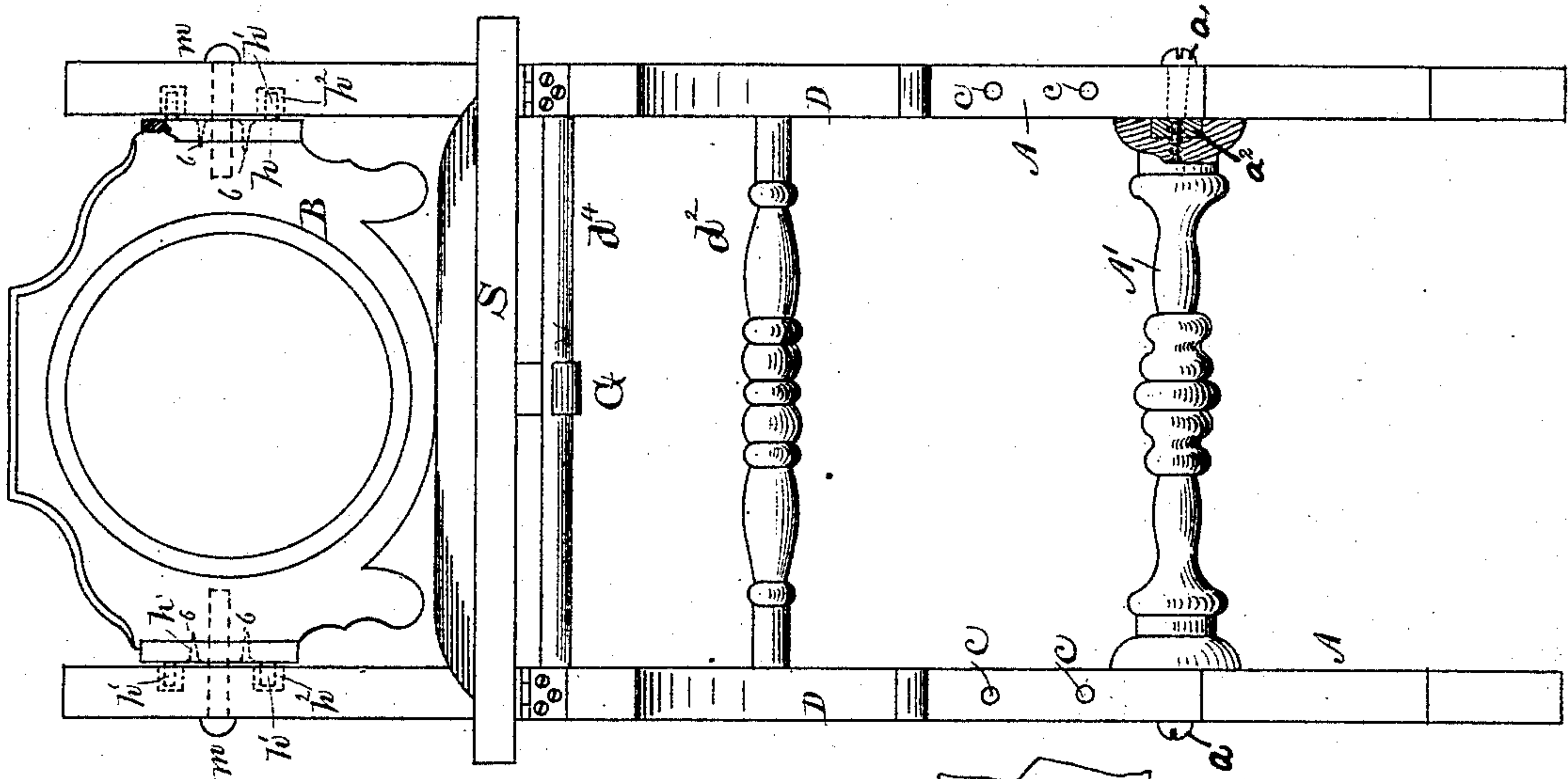


Fig. 2.

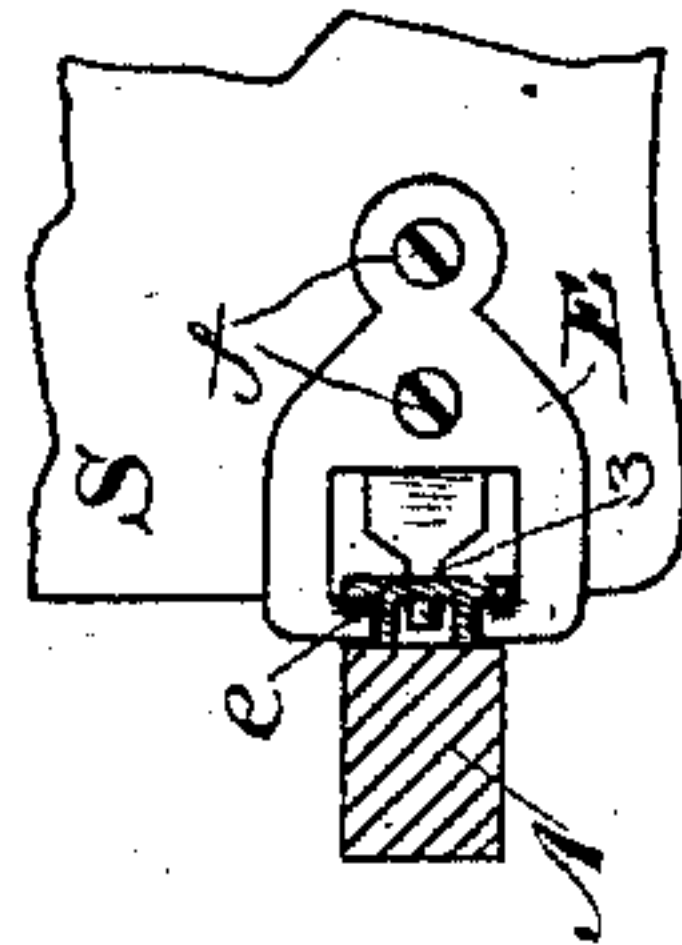


Fig. 3.

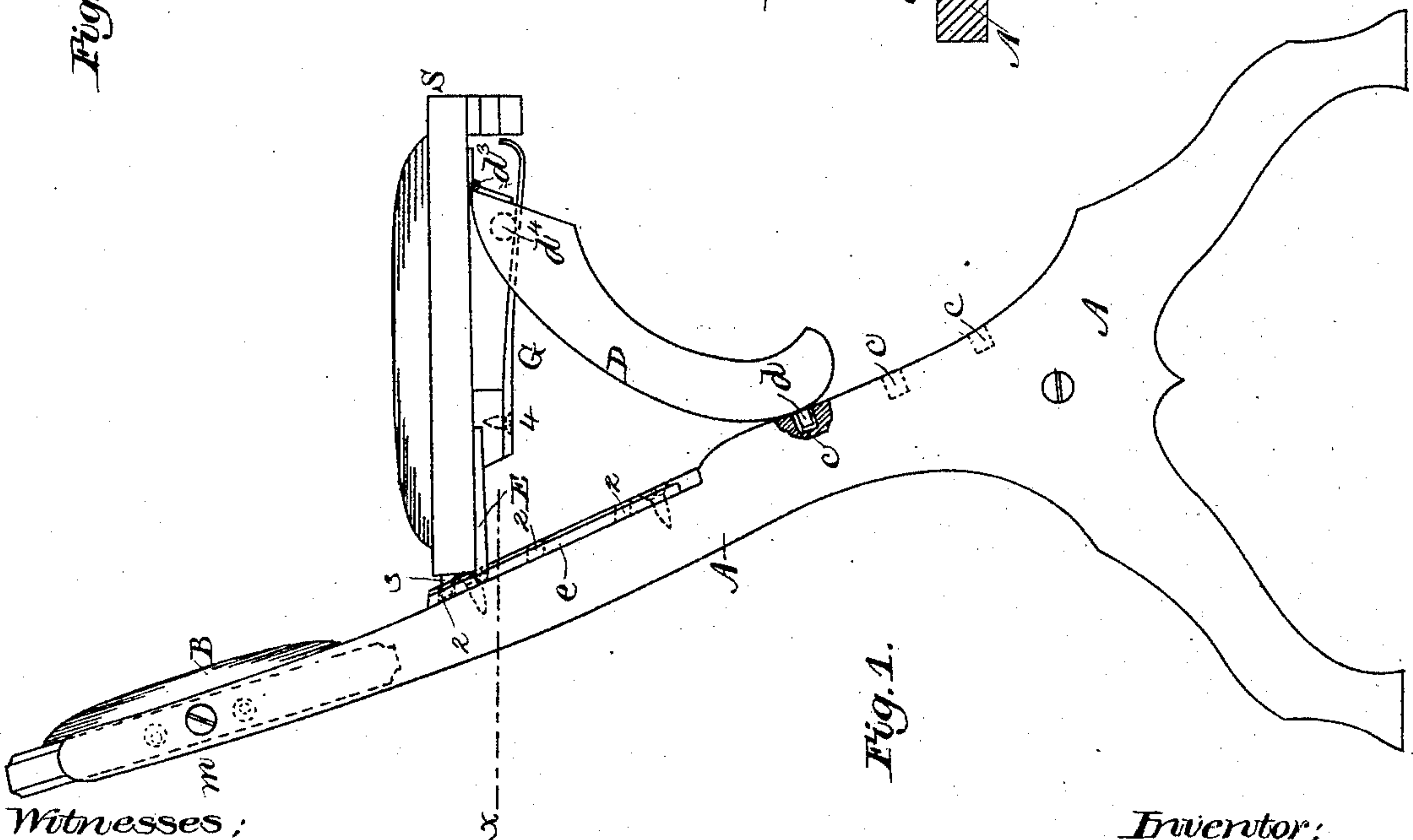


Fig. 1.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOSHUA BRIGGS, OF PETERBOROUGH, NEW HAMPSHIRE.

FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 328,181, dated October 13, 1885.

Application filed October 20, 1884. Serial No. 145,989. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA BRIGGS, of Peterborough, county of Hillsborough, State of New Hampshire, have invented an Improvement in Folding Chairs, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object the production of a folding and adjustable chair, more especially adapted for music-stools.

In my improved chair the side pieces have a metallic guide-rail with which co-operates a finger-piece attached to the rear side of the seat, the finger being so shaped as to slide longitudinally upon the rail as the seat is raised or lowered, preventing the disconnection of the seat from the rail, and to confine the rear side of the seat in proper position for use. The rail has holes or notches to receive a pin or prong attached to the seat. The under side of the seat, near its front side, has hinged to it a bracket or arm provided with pins to enter 25 holes in the chair-frame, or vice versa.

Figure 1 is a side elevation of a chair embodying my invention; Fig. 2, a front elevation thereof, and Fig. 3 a partial section, looking upward from the line *x x*, Fig. 1.

30 The side frames, *A A*, of the chair, shaped, as shown, to constitute the legs and to support between them the pivoted back piece, *B*, are joined together by rungs *A'*, and are provided along one edge with a series of holes, *c c c*, to receive the pins or projections *d* at the ends of the brackets *D*, connected by hinges *d³* with the under side of the seat *S*, the said brackets being connected by a rung, *d²*, and a rod, *d¹*. The front edges of the side frames have metallic guide-rails *e* (shown as made T shape in cross-section) connected with them by suitable screws. (Shown in dotted lines.)

The top of the guide-rail is shown as provided with a series of holes, *2 2*.

45 The rear side of the seat has attached to it, by screws *f f*, the finger-piece *E* and prong *3*. The hooked ends of the finger-piece embrace the rail, as shown best in Fig. 3, and slide up and down on the rail as the seat *S* is to be raised or lowered, the pins *d* of the brackets *D* being then removed from the holes *c*, and the upper end of the seat turned down sufficiently

to remove the prongs *3* from the holes *2* in the rail. The rear edge of the seat being at the desired level, or with each prong *3* opposite that one of the holes *2* where it is desired to fix the rear edge of the seat, the front part of the seat is turned so as to place the seat in horizontal position, such movement of the seat placing each prong *3* in one of the holes *2*, and thereafter the lower ends of the brackets *D* will be thrown toward the side frames, *A*, and the pins *d* will enter the holes *c*.

The lower ends of the brackets *d¹* are normally pressed toward the side frames by the spring *G*, attached by screw *4* to the under side of the seat, the free end of the spring resting against the rod *d'*.

The back *B* is provided at each end with a yoke-piece, *h*, recessed for the reception of the ends of the back, and provided with projections or stop-pins *h'*, which enter holes or recesses *h²* of greater diameter in the side pieces, said yoke-pieces *h* being secured to the back by screws *b*.

The back is pivoted at each end to the side frames by screws *m*.

The back can tip more or less according to the difference between the diameter of the pins *h'* and the holes *h²*, as shown in dotted line, Fig. 1, the two opposite upper pins bearing against one side of their corresponding holes, while the other or lower pins bear against the opposite side of their corresponding holes, and vice versa.

The seat may be made to occupy any one of three positions. In the drawings it is shown in its highest position; but if lowered so that the prongs *3* enter the first or second hole *2* below, and the pins *d* of the brackets be correspondingly lowered, the seat may be placed at lower points.

To fold the chair remove the pins *d* from the holes *c c* and push down the outer edge of the seat, placing its under side close to the side frames.

The fingers of the finger-piece *E* may be slid to the top of the guide-roll *e*, and disconnected from the flanges thereof, so that the seat, with the attached brackets *D*, may be held disconnected from the side rails of the chair. The said side rails are connected together only by the rung *A'* and back piece, *B*, and by removing the screws *a* and *m* the said side rails may

be disconnected from one another, and, with the seat portion and bracket D, laid flat and packed in a small space for shipment.

5 The rung A' is provided at its end with a nut, a^2 , which may either be of metal or of wood, having its grain at right angles to the length of the said rung to afford a suitable hold for screws a , which may thus be removed and inserted several times without becoming loos-
10 ened.

I claim--

1. In a chair, the side pieces provided with the T-shaped guide-rail, combined with a seat supported by brackets, and provided with a
15 finger-piece to engage the guide-rail, substantially as described.

2. The side pieces provided with the T-shaped guide-rail having holes 2, and the seat and its attached finger-pieces and prongs 3,
20 the former to engage the rail and the latter to

enter the holes 2, combined with brackets to support the front part of the seat in adjusted position, substantially as described.

3. The side rails having holes h^2 , and the pivoted back combined with the yoke-piece h ,
25 secured to said back, and with pins h' , co-operating with the holes h^2 , all substantially as described.

4. The side rails, back, and rung A', provided with a nut, a^2 , combined with the screws
30 m a , and the detachable seat, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSHUA BRIGGS.

Witnesses:

JOS. P. LIVERMORE,
B. J. NOYES.