(No Model.)

J. W. STANTON.

FOLDING AND EXTENSIBLE PIANO STOOL.

No. 588,932. Patented Aug. 24, 1897.

Fig. 1.

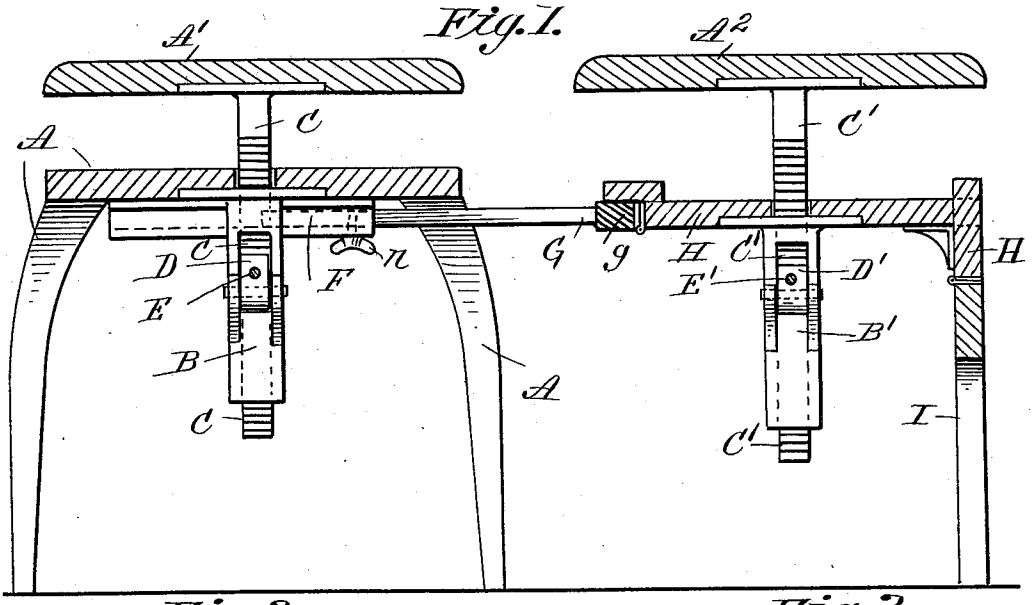


Fig. 2.

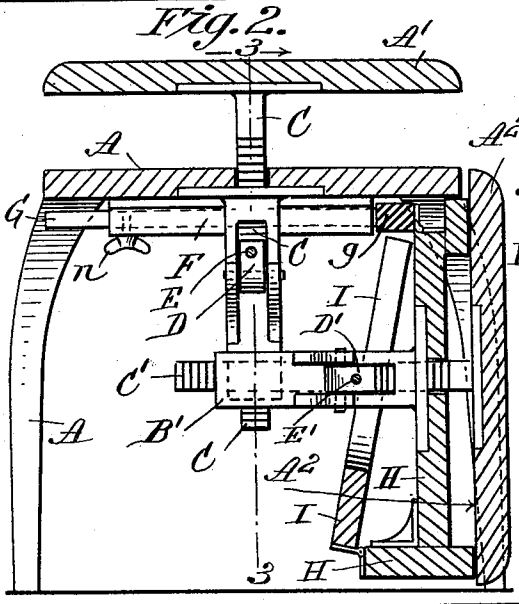


Fig. 3.

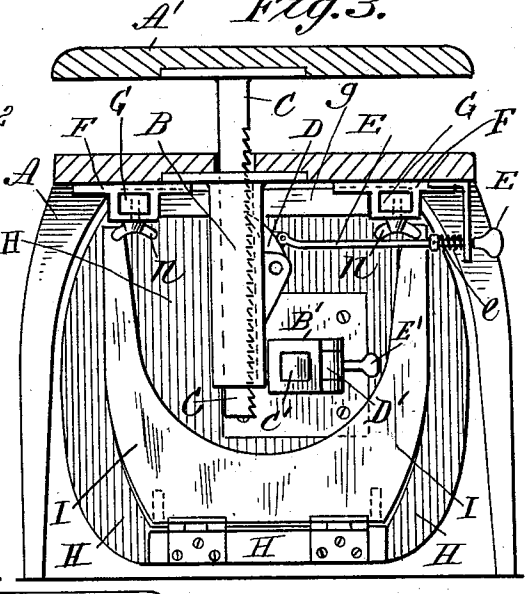
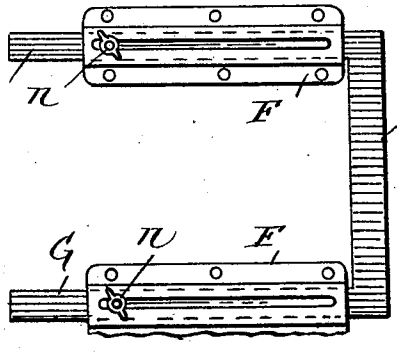


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FOLDING AND EXTENSIBLE PIANO-STOOL.

SPECIFICATION forming part of Letters Patent No. 588,932, dated August 24, 1897.

Application filed January 22, 1897. Serial No. 620,195. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. STANTON, a citizen of the United States, residing at West Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Folding and Extensible Piano-Stools, of which the following is a specification.

This invention relates to folding piano chairs or stools, the object being to provide an improved construction of stools of this class which are adapted to be used by one or two persons; and the invention consists in the peculiar construction and arrangement of the several parts of the device, all as hereinafter fully described, and more particularly pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a sectional view of a piano-chair embodying my improvements, the chair in this figure being shown with the parts arranged for two persons. Fig. 2 is a sectional view of said chair, showing the parts thereof as arranged for the use of one person only. Fig. 3 is a sectional view of the chair on line 3 3, Fig. 2. Fig. 4 illustrates detail parts hereinafter described.

Referring to the drawings, A indicates the fixed seat and legs of a four-legged stool. The said seat has a central opening through it, in which a ratchet-post C moves vertically, on which post the seat A′ is fixed. B is a hollow guide-box for said ratchet-post C, preferably of iron, which is firmly secured to the under side of the subseat A. A pawl D is pivotally connected to said guide-box for engagement with the rack on said ratchet-post C, whereby the latter and the said seat A′ are held in such vertical positions as they may be moved or adjusted to. E is a knob-bearing spindle (see Fig. 3) for operating said pawl, and a spring *e* on said spindle acts to move and hold said pawl against said ratchet-post C and in engagement with said ratchet, whereby said seat A′ is held in position, as aforesaid. Two cast-iron slideways F F, Fig. 4, are secured against the under side of said subseat, in which the parts G G of a three-part sliding frame, comprising also the end-uniting bar *g*, have a sliding motion, and the seat H is a second subseat, hinged by one edge to said bar *g* and having a depending border on its opposite free edge, to the lower edge of which is hinged the supporting end legs I. Said second subseat H is provided with a hollow guide-box B′, a pawl D′, a ratchet-post C′, and means for operating said pawl D′, all substantially the same as the like parts which are applied to said subseat A, the seat A^2 being secured on the upper end of said ratchet-post C′. Figs. 2 and 3 illustrate the stool from different sides when the parts pertaining to said seat A^2 are folded at one side of and under the subseat A of Fig. 1.

The operations required for transforming the stool when arranged for one person, as in Fig. 2, to one presenting seats for two people, as shown in Fig. 1, are as follows: The said sliding frame, composed of the parts G G *g*, is drawn out, as in Fig. 1, and so secured by the thumb-nuts *n*, which screw against said slideways. The subseat H is then swung outward and upward to the position shown in said last-named figure, and the legs I, which are hinged on the subseat H, are brought to an upright position, as shown. The seats A′ and A^2 are then raised or lowered to the required positions either equally or otherwise, according to the requirements of the two persons who are to occupy them, the pawls D and D′ acting automatically against the ratchet-posts C C′ when the latter are raised and being drawn from said posts by means of the knob-bearing spindle E.

The above-described stool folds into small space when adjustable for the use of one person and in a moment can be arranged for two. The structural features which conduce to these conveniences are the folding and extensible ones above described.

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

1. A folding and extensible piano-stool for one or two persons comprising two subseats A and H, the latter supported to move horizontally from the former and to swing from a vertical to a horizontal position, combined with supporting-legs for said seats, one of which legs has a hinge connection with said seat H, combined with the seats A′ and A^2,

and means for supporting one edge of said seat H, under said seat A, and means for supporting said seats A′ and A², vertically adjustable on said subseats A and H, substantially as set forth.

2. A folding and extensible piano-stool for one or two persons comprising the subseat A, and supporting-legs therefor, the slideways F, F, secured under said subseat, a horizontally-sliding frame engaging said slideways, a subseat H, hinged to said frame, a folding leg I, hinged to said last-named subseat, a guide-box B secured under each of said subseats, a pawl pivoted to each of said guide-boxes, combined with two ratchet-posts C, C′, entering said guide-boxes, the seats A′ and A², attached to said ratchet-posts, and means for operating the said pawls whereby said last-named seats are adjustable to varying vertical positions, substantially as set forth.

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