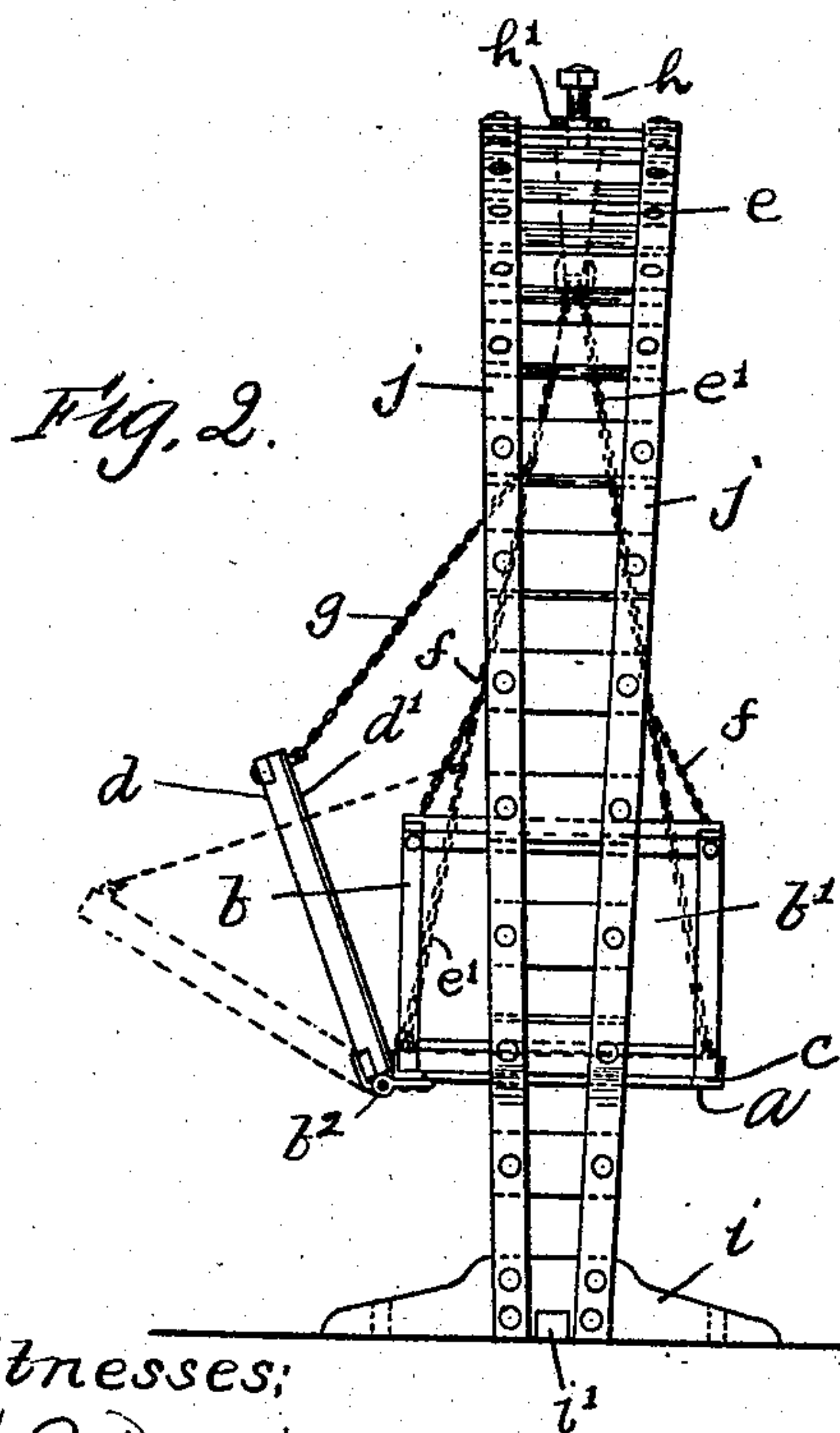


911,570.

Fig. 1.



A schematic diagram of a beam with a central rectangular hole and a vertical crack on the left side. The beam is shown in cross-section with hatching on the left and right ends. A vertical crack is indicated on the left side of the beam, and a rectangular hole is located in the center.

Fig. 3.

Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## HAMMOCK OR SWINGING SEAT AND SUPPORTING-FRAME THEREFOR.

No. 911,570.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed January 10, 1908. Serial No. 410,118.

*To all whom it may concern:*

Be it known that I, WILLIAM S. BOWIE, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Hammocks or Swinging Seats and Supporting-Frames Therefor, of which the following is a specification.

This invention relates to hammocks or swinging-seats and supporting-frames therefor.

It has for its object to construct an improved form of hammock or swinging-seat, which is adjustable for the purpose of varying its length and width, to adapt it for different uses; and also to construct an improved form of supporting-frame for the hammock or swinging-seat, which is portable and is of such shape and dimensions that it may be placed on a piazza or other convenient location.

Figure 1 shows in front elevation a hammock or swinging-seat and supporting-frame therefor, embodying this invention. Fig. 2 is a side view of the parts shown in Fig. 1. Fig. 3 is a modification to be referred to.

The seat consists of a rectangular frame *a*, to which a canvas or other backing *a'* is attached. It may be upholstered in any suitable manner. A side-frame is provided at each end of the seat-frame, and as herein shown, said side-frames are made alike, or substantially so, and each consists of a rectangular frame *b*, to which a canvas or other backing *b'* is attached. These side frames are attached to the ends of the seat-frame by hinges *e*, so that they may be moved to occupy different positions with respect thereto. As for instance, they may be arranged upright or thereabouts, or they may be arranged horizontal or thereabouts. A back-frame is also provided for the seat-frame which is constructed substantially the same as the side-frames, it consisting of a rectangular frame *d*, to which a canvas or other backing *d'* is attached. This back-frame is hinged at its lower edge to the seat frame by hinges *b<sup>2</sup>*, so that it may be moved to occupy different positions with respect thereto. As for instance, it may be arranged upright or thereabouts or horizontal or thereabouts.

The hinges connecting the side-frames with the seat-frame are arranged above the frames, so that said side frames may be

turned inward upon the seat-frame and the hinges connecting the back-frame with the seat-frame are arranged beneath the side-frames so that said back-frame may be turned under and against the seat-frame, thereby compactly arranging the several frames for the purpose of adapting them to be more readily moved from place to place or packed for shipment.

The seat-frame is suspended from a cross-bar *e* by chains *e'* which are connected with the opposite ends thereof, or by other suitable means. The supporting chains, four of which are herein shown, are connected to each corner of the seat-frame, and to rings arranged on the ends of the cross-bar.

The side-frames are held in upright or other adjusted position by chains *f*, which are connected thereto, at one end, and which have hooks at their opposite ends, adapted to engage any one of the different links of the supporting-chains *e'* according to the position which is desired said side-frame shall occupy. The back-frame is likewise held in upright or other adjusted position by chains *g*, which are connected thereto at one end and which have hooks at their opposite ends adapted to engage any one of the links of the supporting-chains *e'* according to the angle which it is desired it shall occupy.

The cross-bar is supported by a screw *h* which is rigidly connected therewith, and said screw turns in a nut *h'* stationarily supported on a supporting-frame, or it may be swiveled to the supporting-frame. The screw, however, has the advantage of providing a vertical adjustment of the seat as well as permitting its rotation, and such adjustment may be accomplished by simply rotating the seat.

The supporting-frame consists of an arched frame of suitable dimensions to inclose the seat and pedestals supporting it.

*i, i*, represent the pedestals, which may be made of any suitable shape and adapted to rest on the floor, and they may be provided with holes at the ends whereby they may be screwed to the floor, if desired. These pedestals are preferably connected together by a cross-bar *i'*.

The arched supporting-frame may be composed of two pairs of metallic bands, such for instance as strap iron, and represented at *j, j*, the bands of each pair being



arranged in parallelism and bent to form an arch, and the two pairs of bands are separated a short distance, thereby providing front bands and back bands, and cross-  
 5 pieces of wood or other material are arranged side by side or otherwise and connected at their ends to the bands, being interposed between them, bolts or other fastening means being employed. The arched sup-  
 10 porting-frame thus constructed is very substantial, as all the parts are rigidly secured together. In lieu, however, of employing two pairs of metallic bands, two single bands may be deemed sufficient, or two angle  
 15 iron frames may be employed and the cross bars attached at their ends thereto, as shown in Fig. 3.

From the foregoing it will be seen that the arched supporting-frame may be constructed  
 20 in different ways, and yet come within the scope of my invention.

If desired either one of the side-frames or the back-frame may be omitted.

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

1. A hammock or swinging-seat composed of a seat-frame, side-frames hinged to the opposite ends thereof, and a back-frame  
 30 hinged to the rear side thereof, swinging-supports for said seat-frame, and chains connected to the side-frames and back frame having means for engaging the swinging-supports at different points, whereby they  
 35 may be held in different positions of adjustment relative to the seat-frame, substantially as described.

2. A hammock or swinging seat composed of a seat-frame, side frames hinged to the  
 40 opposite ends thereof, and a back-frame

hinged to the rear side thereof, supporting chains connected to the corners of the seat-frame, and chains connected to the side-frames and back-frame having hooks for engaging the different links of the supporting  
 45 chains to thereby hold said side-frames and back-frame in different positions of adjustment with respect to the seat-frame, substantially as described.

3. A hammock or swinging-seat composed of a seat-frame, a pair of like side-frames  
 50 hinged to the opposite ends thereof, both adapted to be swung upwardly from a horizontal to a vertical position and to be held in either of said positions, and in positions  
 55 therebetween, swinging-supports for said seat-frame, and chains connected to the side-frames having means for engaging the swinging-supports at different points, where-  
 60 by said side-frames may be held in different positions of adjustment relative to the seat-frame, substantially as described.

4. A portable arch-supporting frame, a hammock or swinging seat consisting of a  
 65 seat-frame, swinging supports connected at their lower ends thereto, a cross bar curved to correspond to the curvature of the supporting frame to the opposite ends of which the  
 70 upper ends of said swinging supports are connected, and a vertically adjustable rotatable support rigidly connected to and adapted to be rotated by said cross-bar, substantially as described.

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

WILLIAM S. BOWIE.

Witnesses:

B. J. NOYES,  
 H. B. DAVIS.