D. P. MAHAN.

Bed-Bottoms.

No. 134,079. Patented Dec. 17, 1872.

Fig. 1.

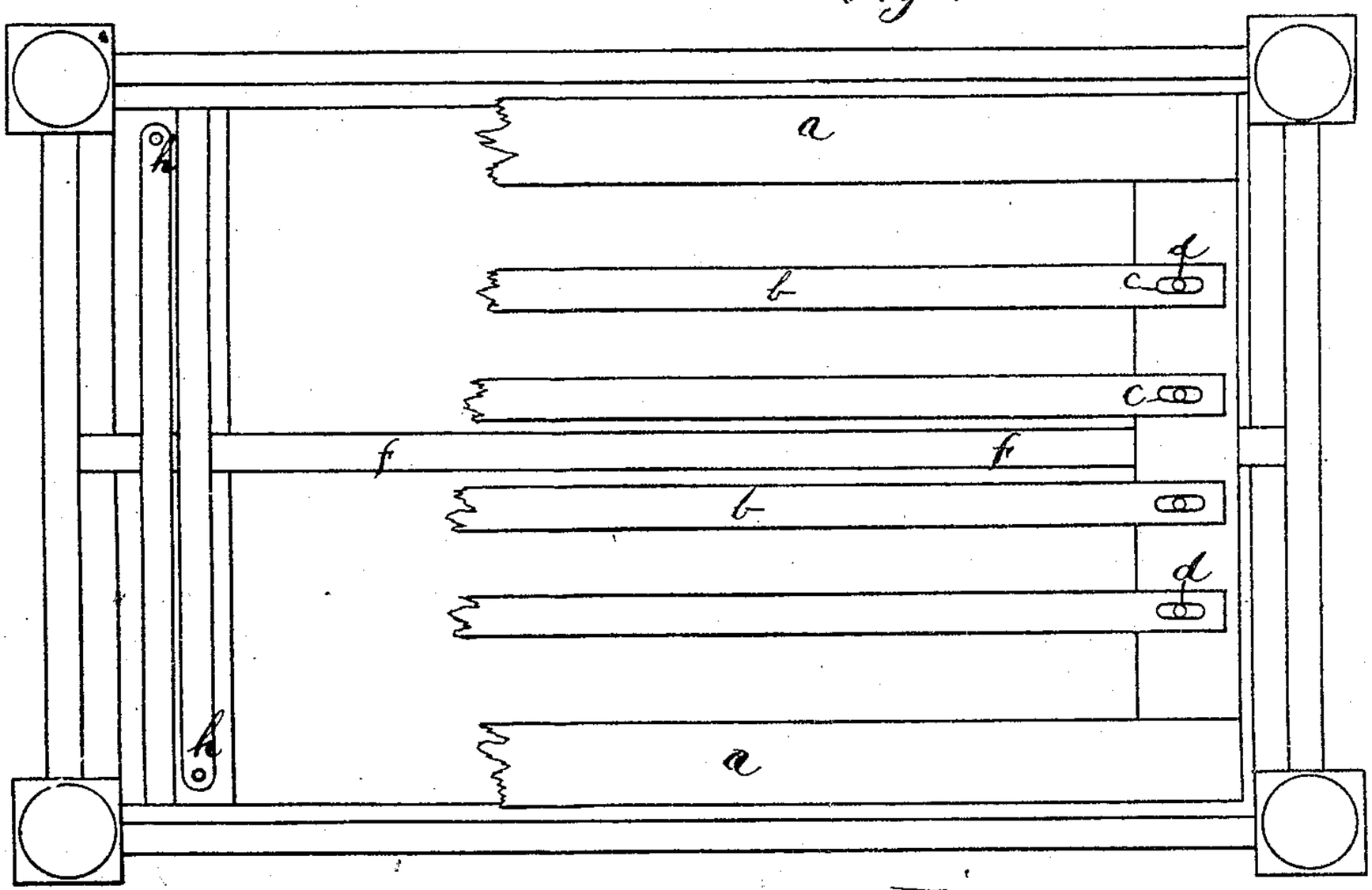
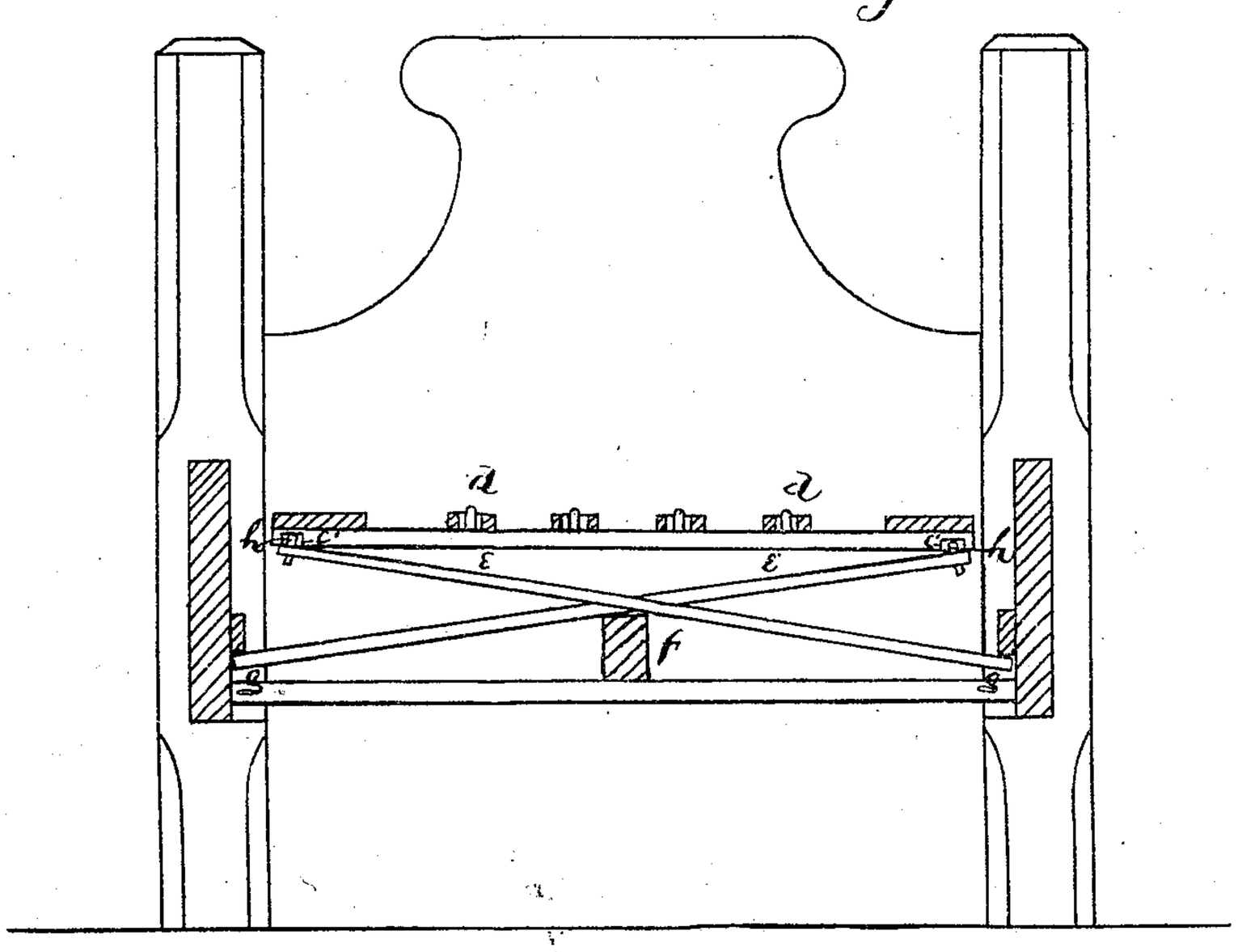


Fig. 2.



Witnesses.
Jas L Lahey
Saml G Browne

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By C. W. M. Smith. atty.

UNITED STATES PATENT OFFICE.

DAVID P. MAHAN, OF ANTIOCH, CALIFORNIA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **134,079**, dated December 17, 1872.

To all whom it may concern:

Be it known that I, DAVID P. MAHAN, of Antioch, in the county of Contra Costa and State of California, have invented an Improved Bed-Bottom; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention consists mainly of a frame of wood provided with longitudinal wood slats, depending principally for their elasticity upon auxiliary transverse spring-bars. The lower ends of the spring-bars enter slots in the bedstead-frame, and the upper ends are provided with upward-projecting pins which enter slots in the frame, while the two-form X-shaped springs with their centers are resting on a central longitudinal pillow-bar. The slats are also provided with slots, which operate on pins at each end of the frame, the whole imparting easy motion when the springs receive the weight of the body.

Referring to the accompanying drawing for a more complete explanation of my invention, Figure 1 represents a plan of my invention with ends of slats and slat-frame broken away, and Fig 2 is a transverse section.

a a represent the frame, provided with longitudinal slats *b b*. Oblong slots *c c* are made in each end of the slats, in which pins *d d* upon each cross-bar of the frame fit, so that when weight is upon the slats they will play up or down, moving on the pins. The springs *e e*, upon which the frame is placed, consist of two straight pieces of elastic wood, which rest upon and cross side by side the pillow-bar *f* midway, having their lower ends resting in slots or mortises *g* in the side pieces of the bedstead, forming X-shaped springs at each end of the frame, and one in the middle, if desired. Pins *h h* pass through the upper ends of the springs, and are made to enter slots *c'* in the cross-bars of the slat-frame so as to prevent the said frame from swaying to the right or left, while the pillow-bar acts as a support midway for the springs.

By this construction it will be readily seen that if one of the springs should become bent by the action of the weather, or by constant and unequal pressure or use, that it can be reversed or turned over flatwise, as the pin projects from both sides of the spring, and can be made to enter the slot in the cross-bar of the slat-frame either side up.

It is obvious that my invention is simple and cheap in its construction, and can be made and applied by persons unskilled in the art of cabinet-making.

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

The adjustable springs *e e*, with one end provided with double pins *h h* to enter slots *c' c'* in the under side of the slat-frame, while the opposite ends rest in mortises *g* of the bedstead, substantially as and for the purpose described.

In witness whereof I have hereunto set my hand and seal.

DAVID P. MAHAN. [L. S.]

Witnesses:

C. W. M. SMITH,

PHILIP MAHLER.