J. FORBES, Jr.

SPRING BED BOTTOM.

No. 183,657. Patented Oct. 24, 1876.

Fig. 1.

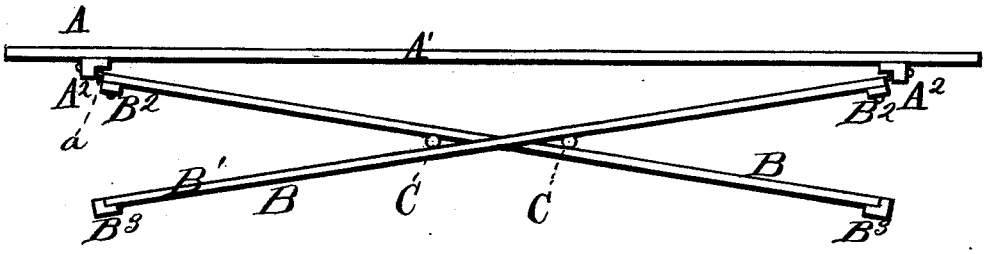
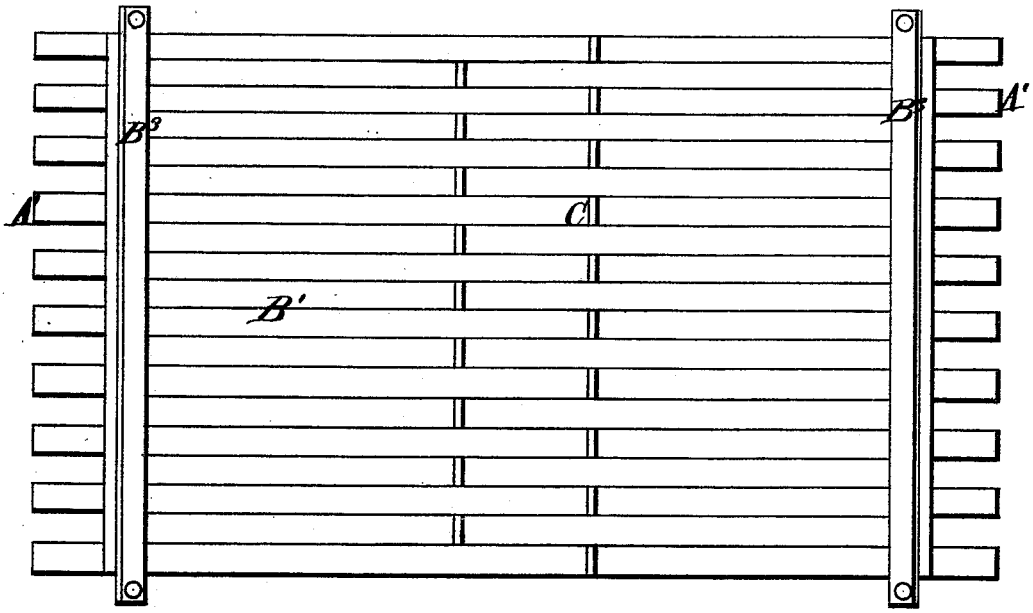


Fig. 2.



WITNESSES

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JOHN FORBES, JR., OF PLAINWELL, MICHIGAN.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **183,657**, dated October 24, 1876; application filed August 12, 1876.

To all whom it may concern:

Be it known that I, JOHN FORBES, Jr., of Plainwell, in the county of Allegan and State of Michigan, have invented a new and valuable Improvement in Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my spring bed-bottom, and Fig. 2 is a plan view of the same.

This invention relates to spring bed-bottoms; and it consists in certain new and useful improvements in bed-bottoms, as hereinafter set forth.

In the annexed drawings, A designates a bed-bottom, consisting of longitudinal wooden spring-slats A^1, of any number which may be desired, and of two cross-bars, A^2 A^2, which extend beneath the same at a little distance from the end of said slats, said slats and bars being rigidly secured to one another. Said cross-bars A^2 are constructed with rectangular longitudinal recesses *a* in their inner edges. B B are two frames, similar in material to A, and consisting of longitudinal slats B^1, and of rectangular cross-bars B^2 B^3, which are rigidly secured to the ends of said cross-bars. The slats B^1 of the respective frames B B alternate and interlace, each slat of one frame filling the space at one point between two slats of the opposite frame. The lower cross-bars B^3 are made somewhat larger than the upper cross-bars B^2. The said lower cross-bars are provided with recesses on their lower sides to receive the bed-posts, or other supports; and the said upper cross-bars are connected to the cross-bars A^2 of bed-bottom frame A so that they may set into recesses *a* when the said supporting-frames B B are brought against and nearly parallel with the said bed-bottom frame. C C are two long cylindrical wooden bars or rods, which extend across the above-described bed-supporting apparatus on both sides of the line of intersection of frames B B.

Said rods may be detachably secured to said frame by cords or their equivalents, which pass around said rods C C, and also around one or more of the slats of bed-bottom frame A; but this is not essential to my invention.

By moving rods C C away from one another, supporting-frames B B are made to incline more and more toward a horizontal position, and bed-bottom A is lowered. By bringing said rods nearer together and securing them so, the said bed-bottom is locked in a raised position. In this way the bed may be adjusted to any height desired. Rods C C may also be moved toward the head or the foot of the bed, their distance from one another remaining unchanged, and secured as hereinbefore described. In this way the bed-bottom A, instead of being flat, will be inclined from the head down to the foot at any angle desired; or, if preferred, the foot may be elevated. This latter adjustment will be found useful for persons who have sustained injuries of the lower limbs, or are afflicted with any disease which makes it desirable to elevate the feet and legs.

In addition to supporting the bed-bottom, the slats B^1 act as springs for the bed; and so, too, do the slats A^1 of bed-bottom A. These latter slats may, however, be made inelastic.

The various parts of my device are preferably constructed of wood; but spring-slats B^1 may be of steel, or other elastic metal, and the other parts of the device may be of any solid material suitable to the purpose of said device.

Any other suitable form of rods C C may be substituted for the cylindrical one shown; and the device may be modified in various ways without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

In a bed-bottom, the combination of the supporting-frame B B, connected to the bed-bottom, and adjusting-rods C C, constructed substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN FORBES, JR.

Witnesses:

EDDY SHERMAN,

WM. E. FORBES.