

A. H. BELL.

Bed-Bottoms.

No. 134,839.

Patented Jan. 14, 1873.

Fig. 1.

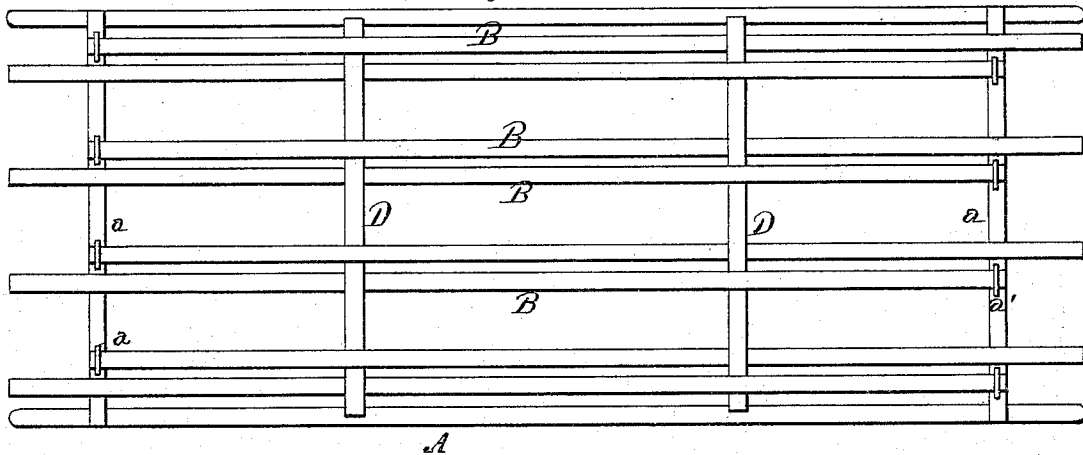


Fig. 2.

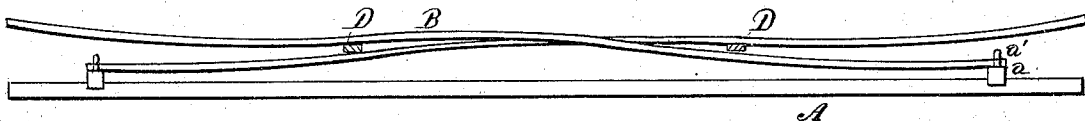


Fig. 3.

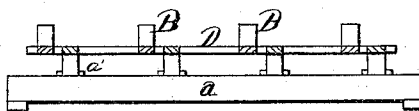
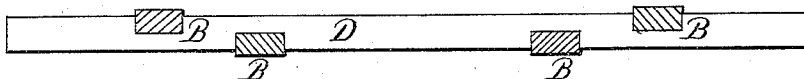


Fig. 4.



Witnesses.
Chas. Keeler.
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UNITED STATES PATENT OFFICE.

AZEL H. BELL, OF CEDAR FALLS, IOWA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 134,839, dated January 14, 1873.

To all whom it may concern:

Be it known that I, A. H. Bell, of Cedar Falls, in the county of Blackhawk, and State of Iowa, have invented a new and valuable Improvement in 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 drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my bed-bottom. Fig. 2 is a longitudinal section of same. Fig. 3 is a transverse section of same. Fig. 4 is a section in detail of same.

This invention has relation to spring bed-bottoms; and it consists in the construction and novel arrangement of reversible spring-slats, and of adjustable transverse bars for regulating the tension and pitch of the slats, all substantially as hereinafter described.

Referring to the drawing, A designates the main frame of the bottom, to the end pieces *a* of which are secured the alternating square staples *a'*, designed each to receive one end of a spring-slat. B designates the spring-slats, made of wood. One end of each slat is cut tapering, so that it may be driven tightly under one of the staples. The slats are attached to the respective bars *a* alternately, as shown, the free end of one slat lying next to the secured end of another. D designates transverse adjustable bars having alternating beveled notches cut in their upper and under

sides corresponding to the slats. These bars are arranged in relation to the slats, so that, while the bar at one side of the middle of the bed-bottom passes over and under the slats alternately, the bar at the other side being in similar relation to the slats passes over the slats under which lies the other or first-mentioned bar. By moving these bars toward each other or toward the middle of the bed-bottom the loose ends of the slats are raised to any desirable height, so as to elevate the head or feet of the occupant. In this respect the bed-bottom is admirably adapted to the use of invalids. The adjustment of the notched bars also serves to give the slats more or less spring. The notches in the bars D prevent the latter from moving lengthwise, and at the same time keep the slats in their proper relative position.

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

The adjustable transverse slats D, in combination with the reversible spring-slats B, sectioned alternately at opposite ends of the frame of the bed-bottom, substantially as specified.

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

AZEL H. BELL.

Witnesses:

LESLIE S. NIMS,
ED. E. WARREN.