

M. A. RICHARDSON.

Improvement in Spring Bed-Bottoms.

No. 126,743.

Patented May 14, 1872.

Fig. 1.

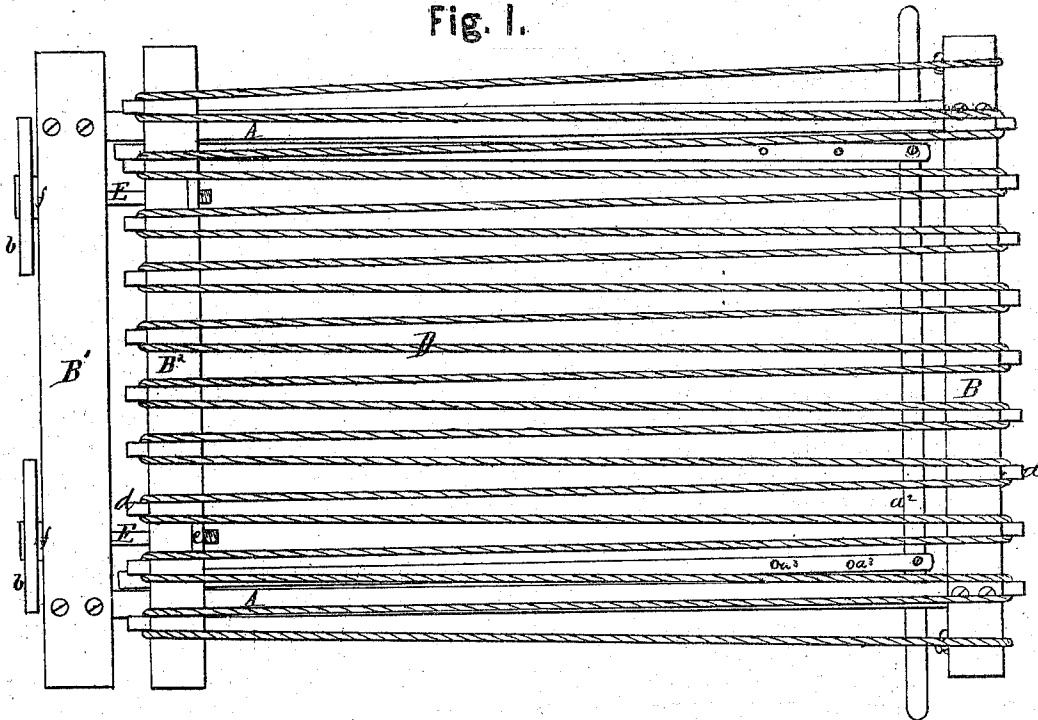
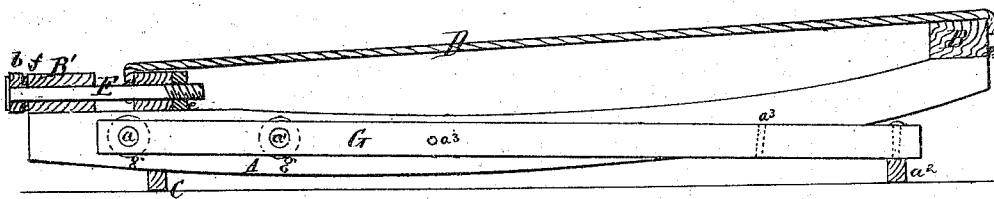


Fig. 2.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

MILO A. RICHARDSON, OF SHERMAN, NEW YORK.

## IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 126,743, dated May 14, 1872.

*To all whom it may concern:*

Be it known that I, MILO A. RICHARDSON, of Sherman, in the county Chautauqua and State of New York, 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 drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my invention. Fig. 2 is a vertical longitudinal section of the same.

My invention has relation to spring bed-bottoms; and the novelty consists in the construction and arrangement of devices for regulating the tension of the bed-cords; also, in the construction and arrangement of the adjustable springs and of the side bars of the frame, substantially as hereinafter described.

Referring to the accompanying drawing, A represent the side bars of a bed-bottom. These bars are curved, as shown, and are united at their ends by means of transverse bars B B<sup>1</sup>. At the foot end of the bed the bars A rest on a transverse bar, C. The head end of the frame, formed by these bars, is slightly raised to enable the occupant of the bed to assume the most comfortable position, and to allow for the depression on the springs caused by the weight thereon. D designates the continuous bed-cord, having its ends secured to the bar B, and thence passed from the bar B to an adjustable bar, B<sup>2</sup>. *d* represents pegs inserted in the bars B B<sup>2</sup> to hold the rope, which is arranged in lengths, and is run from the peg on the bar B to the next on the bar B<sup>2</sup>; thence back, and so on, as shown clearly in the drawing, or in any other way that will tend to the same result—viz., to allow the rope to be tightened by moving the bar B<sup>2</sup> toward the foot of the bed. E designates set-screws passing through the bar B<sup>1</sup>, and thence through the bar B<sup>2</sup>, which is provided with

stationary nuts *e*. The bar B<sup>2</sup> is adjusted by turning said screws, which are provided with cross-heads *b* for convenience in operating them. *f* represents washers. G represents elastic arms, which are secured, near the foot end of the bed, to the inner sides of the bars A by the pins, screws, or rivets *a*<sup>1</sup>, and extend, as shown, toward the head part, where they are connected by means of a transverse bar *a*<sup>2</sup>. The arms G are made of wood or other suitable material, and should be of a tapering form, as shown. The greatest elasticity is between the fastening *a*<sup>1</sup> and the bar *a*<sup>2</sup>. The elasticity may be regulated by changing the positions of the fastening *a*<sup>1</sup> and of the bar *a*<sup>2</sup>. For this purpose holes *a*<sup>3</sup> are made at the points shown. Where the arms G are fastened to the bars A washers *g* are placed upon the fastenings between the bars A and arms G, so as to prevent creaking when the bed is moved. Near the head end of the bed the arms G are made to converge slightly, so as to prevent them from striking the bars A, as well as to prevent them from rubbing against the inner surfaces of said bars.

The bed-bottom herein described is designed to be portable.

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

1. The springs G, arranged as described, in combination with the side bars A and transverse bar C of a spring-bed, constructed substantially as specified.

2. The spring bed-bottom, having the side bars A, transverse bars B B<sup>1</sup>, adjustable bar B<sup>2</sup>, adjusting-screws E, nuts *e*, handles *b*, and springs G, substantially as and for the purpose specified.

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

MILO A. RICHARDSON.

Witnesses:

MARK SHELDON,  
W. F. WARREN.