

W. J. MYERS.

ADJUSTMENTS FOR SPRING BED FRAMES.

No. 177,952.

Patented May 30, 1876.

Fig. 1.

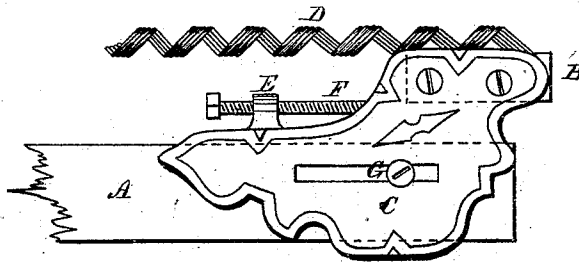


Fig. 2.

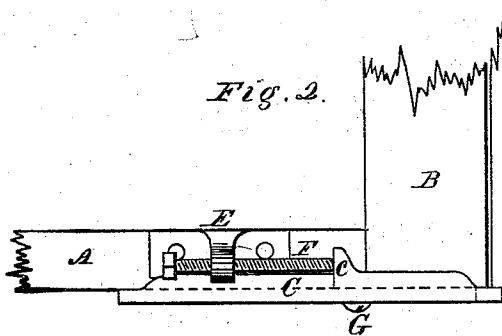
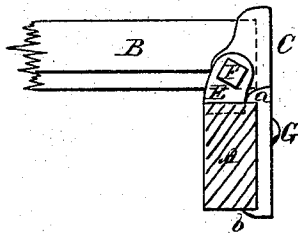


Fig. 3.



Witnesses.

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IMPROVEMENT IN ADJUSTMENTS FOR SPRING-BED FRAMES.

Specification forming part of Letters Patent No. **177,952**, dated May 30, 1876; application filed January 15, 1876.

To all whom it may concern:

Be it known that I, WILLIAM J. MYERS, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Adjustments for Spring-Bed Frames; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My invention relates to such bed-bottoms as are formed of coiled wire, or other elastic material, stretched upon a frame; and it has for its object the more convenient adjustment of the tension of the elastic fabric than has heretofore been in use.

Screws have been used in various ways in connection with the sliding end bars to extend and adjust the webs of bed-bottoms; but they have generally been operated from the end of the side bar, and formed a projection which has interfered with the fitting of the bed in the bedstead, and rendered its removal necessary to make the adjustment. Screws have also been used located within the frame, and with their heads pressing directly upon the sliding end bar, and with the thread working in a projection upon the side bar.

My invention consists in placing the adjusting-screw, by which the tension is regulated, upon the top of the side bars of the frame, and connecting it with a separate resisting-block upon the side bar, while its point or end abuts against a projection upon the sliding frame which holds the end bar, to push it outward and stretch the web of the bed-bottom more tightly.

By this means it is entirely removed from a position where it would form an exterior projection.

In the accompanying drawing, Figure 1 is a side view of one corner of a bed-frame hav-

ing my improvement. Fig. 2 is a top view of the same, with the web removed. Fig. 3 is an interior end view of the same.

A is one of the side bars of the frame. B is one of the end bars. C is a casting uniting the two in the usual manner. It is firmly attached to the end bar, and slides upon the side bar to adjust the tension. D is the web forming the bed-bottom, which is stretched upon the frame. E is a block, let into or firmly attached to the side bar A. It is furnished with a nut in its upper portion through which passes the screw F. This screw rests against a projection, *c*, upon the sliding casting C, and prevents the tension upon the web from drawing it inward. The sliding corner C is provided with flanges *a* and *b*, which bear upon the top and bottom of the side bar A, and cause the casting forming the corner to move in a right line without turning. G is a set-screw, passing through a slot in C, to give a certain amount of longitudinal motion, while the head holds the corner casting and side bar together.

The operation of my invention is as follows: When it is desired to tighten the web, the screws F are turned forward through the nuts E by means of a wrench applied to the head, which is made of proper form for this purpose, as shown in the drawing.

If it is desired to slacken the web, the screws are turned backward through the nuts in the reverse direction. Any desired degree of tension can thus be given to the web.

What I claim as my invention is—

The combination of the nut E upon the top of the bar A, the screw F passing through this nut and the projection *c* upon the sliding corner C, against which the point of the screw presses to extend the web, substantially as herein described.

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Witnesses:

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