

J. REARDON.  
BED-SPRING.

No. 180,269.

Patented July 25, 1876.

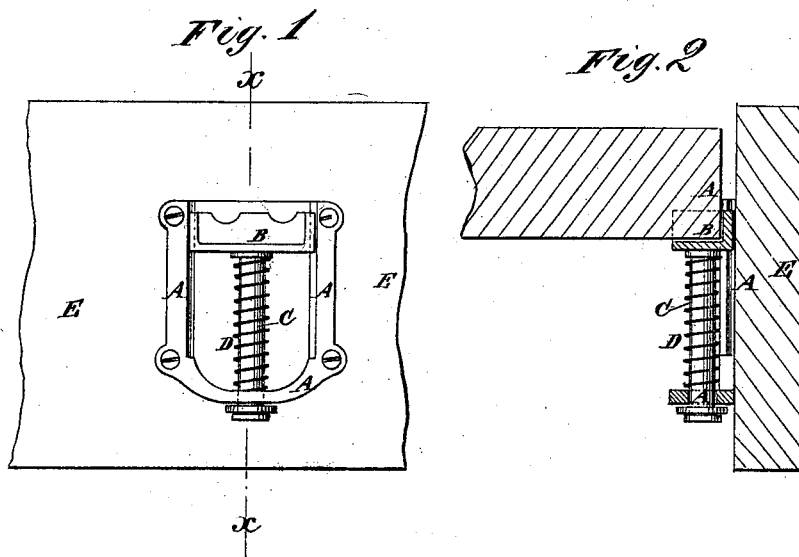
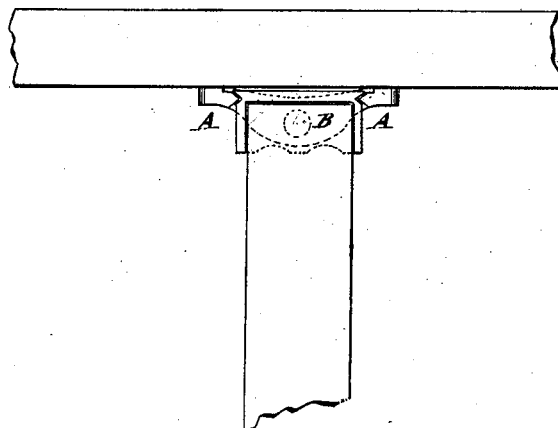


Fig. 3



WITNESSES:

*A. W. Almqvist*  
*John Goethals*

INVENTOR:

*John Reardon*  
BY *Mumt Co*

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# UNITED STATES PATENT OFFICE.

JOHN REARDON, OF NEW YORK, N. Y., ASSIGNOR TO ORVILLE D. LOVELL  
AND FRANK H. LOVELL, OF SAME PLACE.

## IMPROVEMENT IN BED-SPRINGS.

Specification forming part of Letters Patent No. **180,269**, dated July 25, 1876; application filed  
May 9, 1876.

*To all whom it may concern:*

Be it known that I, JOHN REARDON, of the city, county, and State of New York, have invented a new and Improved Bed-Bottom Spring, of which the following is a specification:

Figure 1 is a front view of one of my improved springs. Fig. 2 is a vertical section of the same, taken through line *x x*, Fig. 1; and Fig. 3 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish improved springs to support the ends of the slats of a bed-bottom, which shall be simple in construction, inexpensive in manufacture, convenient in use, neat in appearance, and not liable to get out of order, or to wear or tear the mattress.

The invention consists of a bed-bottom spring formed of the rabbeted U-frame, the flanged cross-head, the guide-pin, and the spiral spring, constructed and arranged to operate in connection with each other, as hereinafter fully described.

A is a U-shaped metal frame, having lugs formed upon its sides to receive the screws by which it is secured to the side rails of a bedstead, E.

The side bars of the frame A are rabbeted upon their inner sides to receive flanges formed upon the ends of the cross-head B, which is made wide, and with upwardly-extending flanges upon its inner side and ends, to form a seat for the end of the slat, so that the said

slat cannot rub against the bedstead E or frame A as it works up and down. To the under side of the cross-head B is attached a pin, C, which passes down through a guide-hole in the bottom bar of the frame A, and around which is coiled a spiral spring, D. The lower end of the spiral spring D rests upon the bottom bar of the frame A, and upon its upper end rests the cross-head B. Upon the lower end of the guide-pin C is formed a head, which is provided with a washer of cloth, rubber, or other yielding material, to prevent noise when the said head comes in contact with the frame A. As many of the springs A B C D are attached to each side rail of the bedstead as there are slats.

With this construction the bedstead can be put up, taken down, and carried from place to place with as much ease as if the slats rested upon cleats; and the various parts of the spring are so arranged that they cannot cut or injure the mattress.

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

A bed-bottom spring formed of the rabbeted U-frame A, the flanged cross-head B, the guide-pin C, and the spiral spring D, constructed and arranged to operate in connection with each other, substantially as herein shown and described.

JOHN REARDON.

Witnesses:

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