

B. Gregg,

Bed Bottom.

No. 108,018.

Patented Oct. 4, 1870.

Fig. 1.

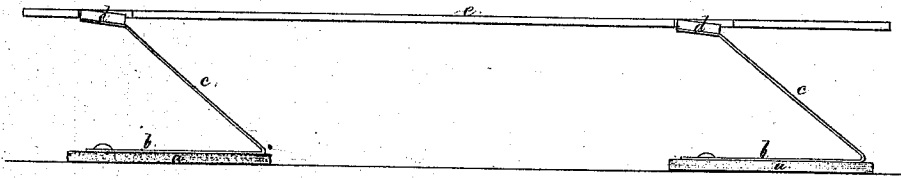
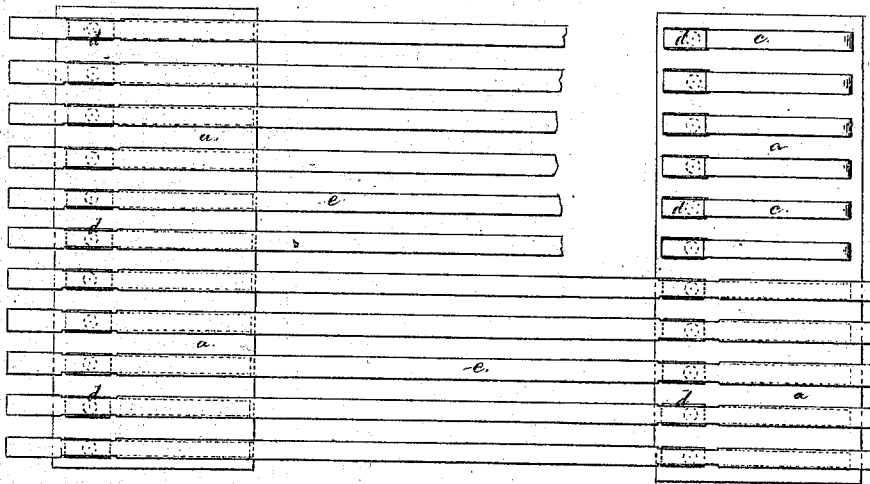


Fig. 2.



Witnesses,

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# United States Patent Office.

BENJAMIN GREGG, OF BENNINGTON, VERMONT.

Letters Patent No. 108,018, dated October 4, 1870.

## IMPROVEMENT IN BED-BOTTOMS.

The Schedule referred to in these Letters Patent and making part of the same.

### To all whom it may concern:

Be it known that I, BENJAMIN GREGG, of Bennington, in the county of Bennington and State of Vermont, have invented a certain new and useful Improvement in Bed-Bottoms, and the following is hereby declared to be a full and correct description of the same.

In Letters Patent granted to me August 11, 1868, a metallic plate spring for bed-bottoms was shown. Said spring was attached, at its lower end, to the head or foot-guards of the bedstead, and from said place of attachment the spring projected inward and upward, and at the upper end was formed as a crotch or saddle, to receive the slat of the bedstead.

The springs at the opposite ends of the slats bending toward each other, as weight came upon them, caused said springs to slide upon the under sides of the slats, occasioning noise and friction, and the tendency of weight upon the slats was to force the springs from their place of attachment.

To overcome those difficulties is the object of my present invention, and said improvement consists in a metallic plate spring fitted at the upper end with the crotch or saddle to receive the slat, as in said patent, and with the lower end of the spring bent into a horizontal position, so as to be attached to a cross-slat or bearer, to be placed between the side rails of the bedstead.

I place said springs at the opposite ends of the slats and parallel or nearly so to each other, so that the movement of the slats as weight comes upon them will be nearly parallel, and thus prevent the noise and friction, because the parts will move together instead of the slats and springs rubbing against each other.

In the drawing—

Figure 1 is a longitudinal section of my improved bed-bottom, and

Figure 2 is a plan of the same, some of the slats being represented as broken off, to show the springs more clearly.

*a a* are the cross-slats or bearers to which the springs are attached, and these bearers are to be supported by strips or cleats upon the side rails of the bedstead.

The springs are formed with horizontal portions, *b*, to set upon the bearers *a*, and are to be attached to the same by screws, or in any desired manner. The parts *c* of said springs project upward, and at an inclination, as shown, and at the ends are formed with the crotches or saddles *d d*, to receive the slats *e e*, and said slats *e* are notched to set within said saddles. These notches should be of sufficient length to allow of a slight movement of the slats in said saddles.

I place the springs in the manner shown in fig. 1, so that the ends of the springs of each slat will have a nearly parallel movement as said ends and slat are depressed or raised as aforesaid; thus there will be but little sliding motion upon the under sides of the slats, and the wear and noise occasioned thereby will be avoided.

I claim as my invention—

The bed-bottom with springs between the bearers *a* and slats *e*, the inclined ends *c* of the springs being placed parallel or nearly so to each other, and provided with saddles, *d*, as and for the purposes set forth.

Dated April 19, A. D. 1870.

Witnesses: BENJAMIN GREGG.

J. W. VAIL,  
THOMAS WHITE.