W. H. GAYLORD.

BED-BOTTOMS.

No. 183,453. Patented Oct. 17, 1876.

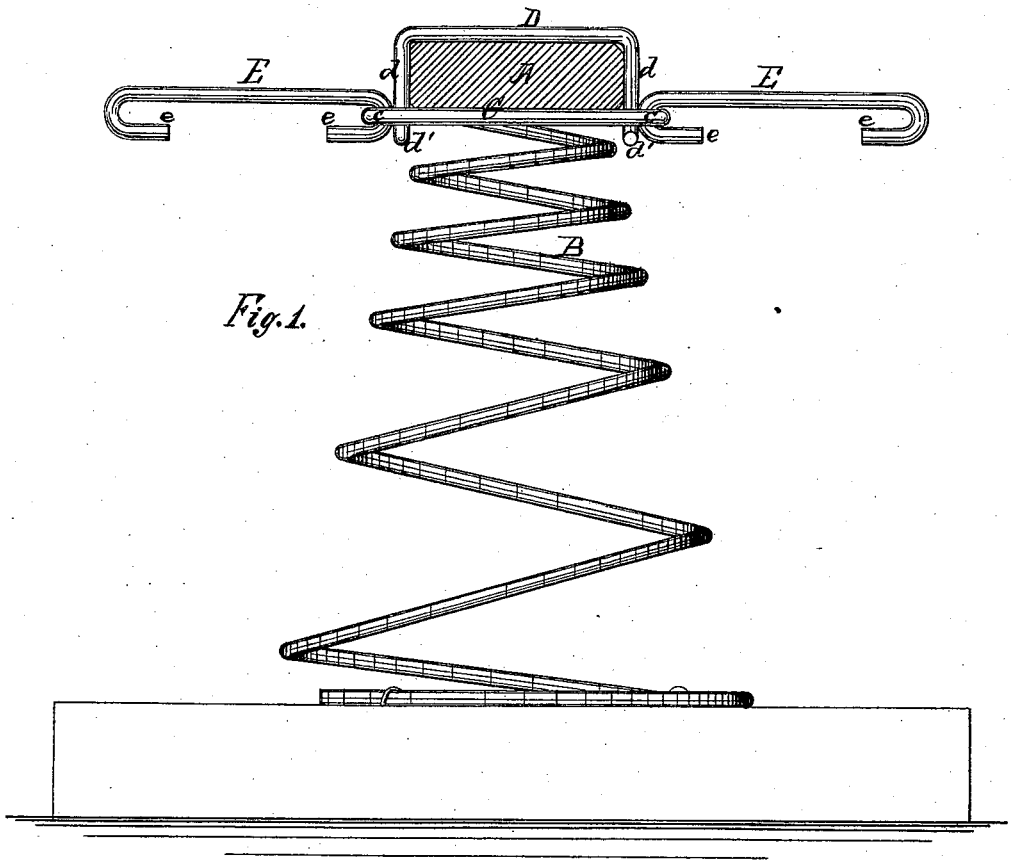
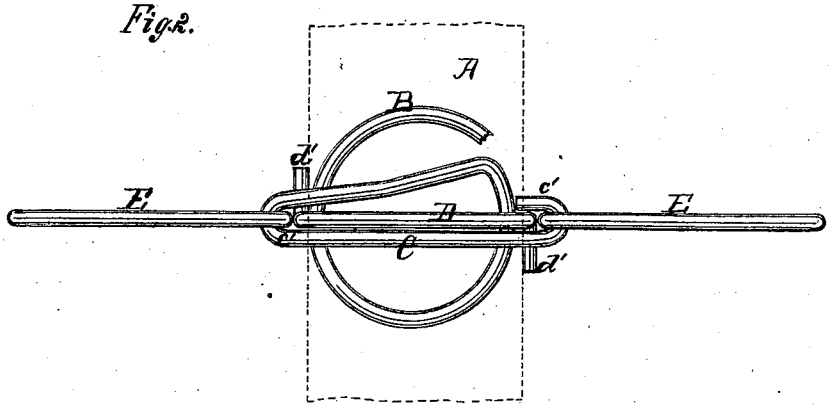


Fig. 1.

Fig. 2.



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WILLIAM H. GAYLORD, OF OSKALOOSA, IOWA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **183,453**, dated October 17, 1876; application filed August 25, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. GAYLORD, of Oskaloosa, Mahaska county, in the State of Iowa, have invented an Improvement in Bed-Springs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a device for securing the upper ends of spiral springs employed in bed-bottoms to the bed-slats, and to so uniting the adjacent springs as to secure stability of the structure; and my invention consists in a horizontal bearing-bar with eyes or loops in its ends, formed upon the apex of the spiral spring, and adapted to constitute a support or seat for the slat, together with a clasp-link, arranged to embrace the slat and be secured in the eyes of the horizontal bar by angles turned in its end, and also stay-links adapted to hook into and join the eyes of the bars sustaining adjacent slats, and also prevent the dislodging of the clasps from said eyes, all as hereinafter particularly set forth and claimed.

Figure 1 is an elevation of my invention; and Fig. 2 is a plan of the parts employed to sustain, clasp, and stay the slat and spring.

A is the bed-slat. B is the spiral spring, seated upon a suitable rail. The upper end of the wire constituting the spring is bent at the apex of the spring, to form the horizontal bar C, with the eyes or loops *c c'*, one at either end of the bar, as shown. This bar is somewhat longer than the width of the slat, so that the eyes or loops at its ends project beyond the line of the slat when the slat is seated upon the spring, as shown. A clasp, of wire preferably, and similar in dimensions to the wire of the spring, and made to conform to the shape of the slat, is passed downward over the slat, as shown at D. The ends or angles of this clasp, as shown at *d*, are sufficiently long to extend downward through the eyes or loops *c c'* in the ends of the bar C; and when the clasp is drawn tightly down upon the slat, these ends *d* are turned at right angles across the under side of the eyes, as shown at *d'*, and the clasp is then held tightly upon the slat, and the slat confined between the clasp D and the bar C. The stay-links E are now employed to join the apexes of adjacent springs. These links are formed with the hook ends *e*, and one of these hooks is passed through each of the eyes or loops *c c'* at outer end thereof. The said loops *c c'* are made oblong or oval in shape, and of sufficient width at their longest diameter to receive snugly the arms *d* of the clasp and the hooks *e*, when the same are arranged one beyond the other, as shown.

By means of this arrangement the clasp D is prevented from slipping upon the bar C or becoming detached therefrom, and at the same time the slats supported by adjacent ranges of springs are joined together, so as to give stability to the structure, and also secure a uniformity of action by the springs when pressure is imposed on the bed-slats.

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

The combination of the spring B, having at its apex the horizontal bar C, with its end loops *c c'*, the clasp D, with its downward arms *d* and bent ends *d'*, and the hook stay-links E, whereby the slat A is firmly seated upon the spring, and the adjacent slats and springs are joined together, as and for the purpose specified.

WILLIAM H. GAYLORD.

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