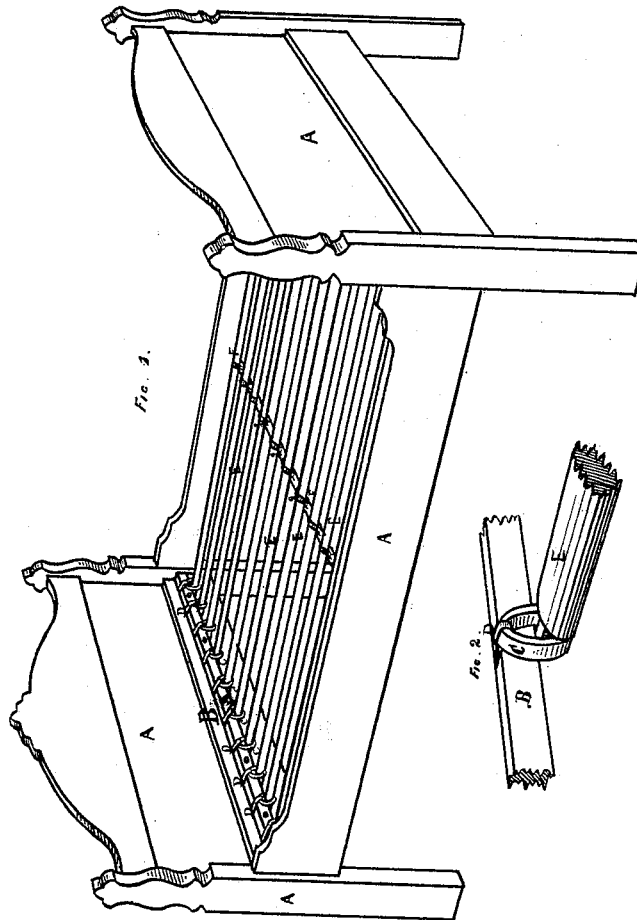


H. D. W. Bailey,

Bed Bottom.

No. 107,213.

Patented Sep. 13. 1870.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY DWIGHT WRIGHT BAILEY, OF STERLING, ILLINOIS.

IMPROVED SPRING BED-BOTTOM.

Specification forming part of Letters Patent No. **107,213**, dated September 13, 1870.

To all whom it may concern:

Be it known that I, HENRY DWIGHT WRIGHT BAILEY, of Sterling, in the county of Whiteside and State of Illinois, have invented certain Improvements in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 is a perspective view of a bedstead to which my improvements are applied. Fig. 2 is a perspective view of detached parts, to be hereinafter referred to.

Similar letters of reference indicate corresponding parts in the several figures of the drawing.

My invention relates to spring bed-bottoms in which the slats are suspended within the bedstead by flexible connections; and it consists in the combination of parts, as will be hereinafter more fully described.

In the accompanying drawing, A is a bedstead of ordinary construction, provided upon the inner side of the head and foot rails with an additional rail or strip, B. C C are loops, composed of india-rubber or other elastic material, suspended upon the proximate sides of the rails B by means of leather straps or loops D, nailed or otherwise secured to the upper side of the rails B, at equal distances apart.

If desired, strips of canvas or any other strong and pliable material may be employed for the loops D instead of leather.

E are the bed-slats, provided upon each end with a tenon, and arranged longitudinally within the bedstead, parallel to each other. The tenons of the slats are inserted in the elastic loops C, which are prevented from sliding upon the slats by means of the shoulders formed by the tenons and by the rails B, beneath which

the tenons extend, as shown clearly in Fig. 2. By this connection the slats are permitted a vertical play, but cannot rise above the rails B to become detached from the loops. Their lateral play is also restricted by the rails B.

For the purpose of connecting the slats together with a flexible connection, a leather strap, F, is provided with a series of loops, G, through which the slats are passed, as shown in Fig. 1, the strap being extended transversely across the whole number of slats at about the center of the bedstead. This special form of connection need not necessarily be employed, as any other form having flexibility may be used with the same effect. By this method of connecting the slats together, when one is depressed it carries with it those adjacent, and therefore distributes the weight equally upon a number or all of the slats.

When the slats have been used to sustain a weight upon one side for a considerable length of time they are liable to become bent or bowed downward in the center, and, as a consequence, render the bed uncomfortable to rest upon. My invention overcomes this difficulty, as the slats can be at any time turned over or reversed separately without removing them from the loops or strap F.

If one slat becomes broken, its place may be supplied with trifling labor without disturbing any of the others.

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

The combination of the bed-rails B, slats E, elastic loops C, loops D, and flexible strap F, all arranged as described, for the purposes specified.

HENRY DWIGHT WRIGHT BAILEY.

Witnesses:

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