S. E. Pettee,

Bedstead Spring.

No. 61,757. Patented Feb. 5, 1867.

Fig. 1.

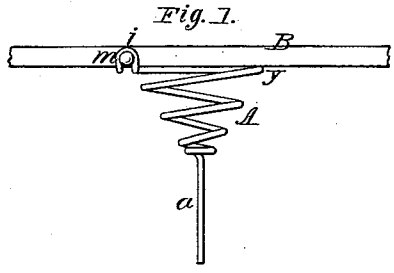


Fig. 2.

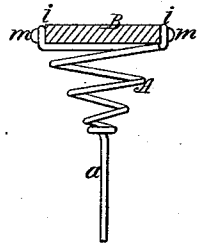
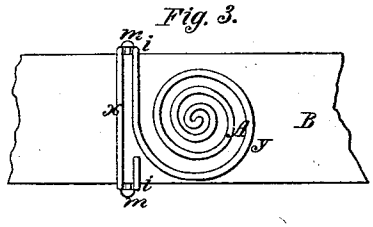


Fig. 3.



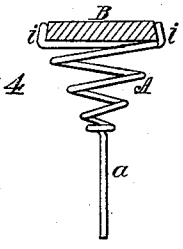


Fig. 4

Witnesses:
Wm. Albert Smith
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Inventor:
S. E. Pettee
By his Atty
H. Howson

United States Patent Office.

S. E. PETTEE, OF BETHLEHEM, PENNSYLVANIA.

Letters Patent No. 61,757, *dated February* 5, 1867.

IMPROVED BED BOTTOM.

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, S. E. PETTEE, of Bethlehem, Northampton county, Pennsylvania, have invented an Improvement in Springs for Bedsteads; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a spring, coiled and attached to cross-rails on a bedstead in the usual manner, but having at the top projections or lugs arranged to embrace, but not to project above the slat, and forming eyes for receiving pins to be driven into the edges of the slats, all as set forth hereafter, so that the uniformity of the upper surface of the slat may not be interrupted by the prominent transverse ribs presented by ordinary springs of this class, and so that the slat cannot slide longitudinally on the spring.

In order to enable others skilled in the art to make and apply my invention, I will now proceed to describe the manner of constructing the same, reference being had to the accompanying drawing, in which—

Figures 1 and 2 are views of my improved bed spring attached to a slat.

Figure 3 an inverted plan view of fig. 1; and

Figure 4 represents a modification of my invention.

The improved spring A is made of wire, the lower portion *a* of which is straight, and arranged to fit in a hole in a cross-bar, to which other springs are attached in a similar manner, two or more of the cross-bars being secured to the frame of a bedstead. Above the straight portion *a* the wire is coiled in the usual helical form, represented in the drawing, the wire at the upper end of the coil being bent, at *x*, to the form represented in the inverted plan view fig. 3, so as to serve as a support for the slat B, which also rests on the first coil, at *y*, fig. 1. The opposite ends of the portion *x* of the spring are bent upwards, so as to form projections, which may be slightly inclined inwards, towards each other, as represented in fig. 4, the edges of the slat B having similar inclinations, so that when fitted to its place it cannot be raised vertically from the spring; or the projections *i i* may be vertical, as seen in figs. 1 and 2, small pins, *m*, being driven through them into the edges of the slat, so as to maintain the latter in its proper vertical position. In either case the upper ends of the projections *i* should be on a level with or slightly below the top of the slat B, so that the latter may present an uninterrupted level surface.

In springs of this class the upper ends of the wires have been heretofore so bent as to pass across the top of and almost entirely embrace the slat. The uniformity of the upper surface of the same was consequently interrupted by prominent transverse ribs, to avoid which has been in part the object of my invention. Although in the ordinary springs of this class the wire embraces or surrounds the slat, thereby retaining the latter in its proper vertical position, there has been no provision for preventing the slat sliding longitudinally through the bent wire by which it is embraced, whereas in my improved spring the projections *i i* present eyes through which pins, *m m*, may be driven into the edges of the slat, thereby preventing the latter from slipping longitudinally or being displaced vertically.

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

The helical spring A, having at the top projections or lugs, *i*, arranged to embrace but not to project above the slat B, and forming eyes for receiving pins, *m*, to be driven into the edges of the slat, all as set forth for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

S. E. PETTEE.

Witnesses:

B. F. LERCH,

SAM. BRUNNER.