

C. O. MARSH.
SPRING BED-BOTTOMS.

No. 194,699.

Patented Aug. 28, 1877.

Fig. 1.

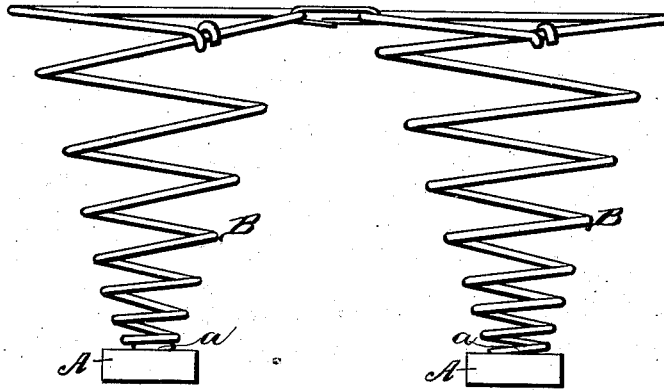


Fig. 2.

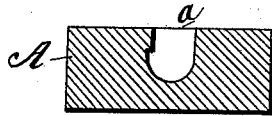
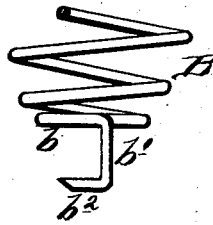


Fig. 3.

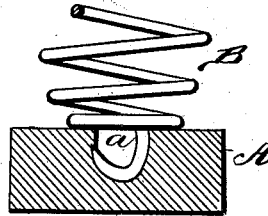


Fig. 4.



WITNESSES

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IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **194,699**, dated August 28, 1877; application filed August 10, 1877.

To all whom it may concern:

Be it known that I, CHARLES O. MARSH, of Ashland, in the county of Ashland and State of Ohio, have invented a new and valuable Improvement in Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my spring bed-bottom. Figs. 2, 3, and 4 are details thereof.

My invention relates to spring bed-bottoms; and it consists in the construction of the lower ends of cone-coiled springs, and in the manner of attaching the same to the slats or frame of a spring bed-bottom, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A A represent the slats or frame of a bed-bottom, to which the cone-coiled springs B B are attached. The lower end of each spring B is bent inward horizontally toward the center, forming the arm *b*; thence a part, *b*¹, extends vertically downward for a suitable distance, and the extreme end *b*² is then bent horizontally outward, the whole forming an anchor attachment or hook at the lower end of the spring for the purpose of securing it firmly to the slat or frame-work of the bed-

bottom. This lock or brace is driven into the slat A, as shown in Fig. 3, and takes the form of the stem and one arm of an anchor.

The mortise *a* in the slat for the reception of the lock-anchor or lower end of the spring is made a trifle shorter or narrower than the lock-anchor, so as to turn up the outer end or point *b*² of the lock while being driven in. Or the mortise may be made just the size or width of the lock-hook from the outer point to the outside of the stem. In that case the point *b*² of the hook is turned up at an angle, as shown in Fig. 4, before being driven in or inserted, fitting the mortise snugly on all sides, and forms a brace and secures the anchor to the mortise.

By this construction of the lower end of the spring a firm and secure fastening, as well as a steady support for the spring, is obtained.

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

A coiled spring, B, for bed bottoms, having its lower end bent to form the lock-hook or anchor *b b*¹ *b*², and fastened in a mortise in the slat or frame A, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES O. MARSH.

Witnesses:

M. H. MANSFIELD,
J. D. JONES.