E. BARTON.

SPRING BED-BOTTOM.

No. 170,805. Patented Dec. 7, 1875.

Fig. 1.

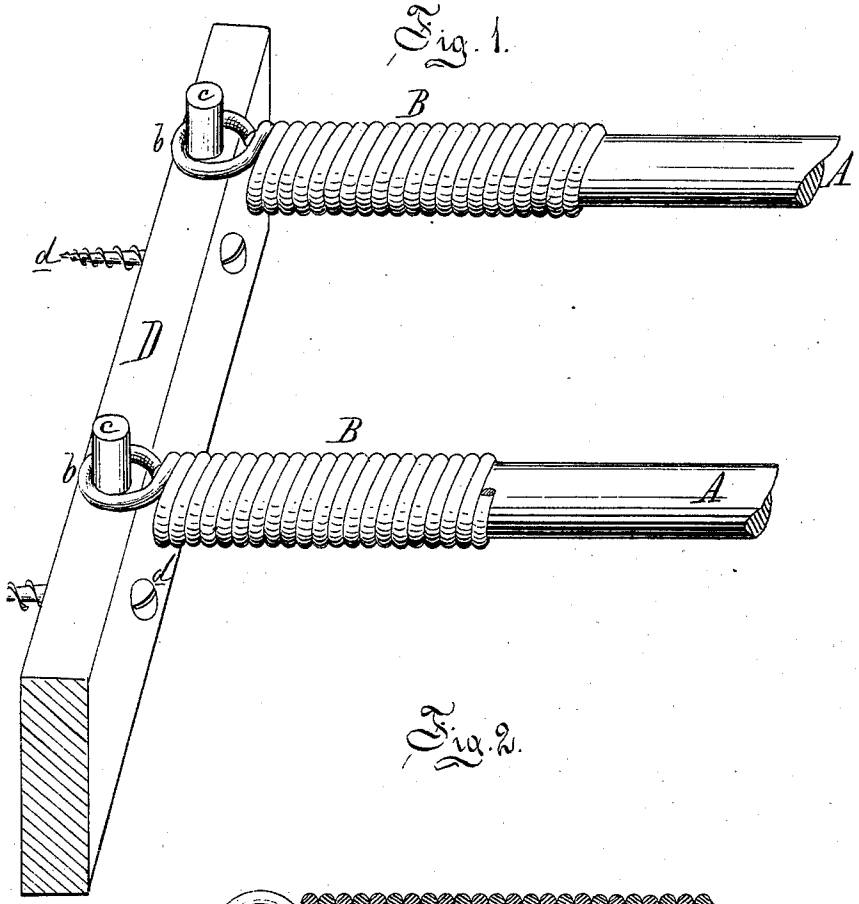
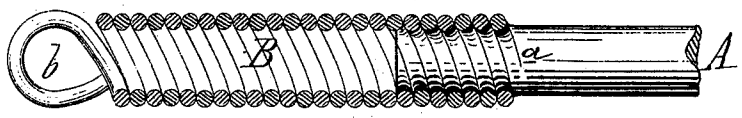


Fig. 2.



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UNITED STATES PATENT OFFICE.

EDWIN BARTON, OF FLINT, MICHIGAN.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **170,805**, dated December 7, 1875; application filed July 12, 1875.

To all whom it may concern:

Be it known that I, EDWIN BARTON, of Flint, in the county of Genesee and State of Michigan, have invented an Improvement in Spring Bed-Bottoms, of which the following is a specification:

The nature of my invention relates to an improvement in bed-bottoms of that variety which are constructed of a series of elastic wooden slats suspended from the head and foot boards of the bed by a spiral spring at each end of each slat; and it consists in the peculiar construction and combination of the elastic rods and springs, as more fully hereinafter set forth.

Figure 1 is a perspective view of a portion of my bed-bottom. Fig. 2 is a sectional elevation of one end of a rod and its spring, showing the manner of attachment thereto.

In the drawing, A represents a round rod of any tough and resilient wood, having a screw-thread, *a*, cut on each end, which is screwed into the base of a strong spiral spring, B, whose coils have the same pitch as the thread. The free end of the spring is turned to form a loop, *b*, which is slipped over a stud, *c*, inserted in the upper edge of a bar, D, secured to the head or foot rail of a bedstead by means of the wood-screws *d*.

The rods should be short enough to put the springs under tension when the latter are hooked to the studs.

The slats being light and very elastic, conform to the outline of the occupant of the bed, while the springs afford an elastic support to the bed, which yields to every motion of the sleeper.

What I claim as my invention is—

The combination, with the bars C, having vertical studs *c* on their tops, of the round wooden rods A, having their ends threaded, and the spiral springs B, adapted to screw onto the ends of the said rods, and provided with loops *b*, when the several parts are constructed and arranged substantially as described and shown.

EDWIN BARTON.

Witnesses:

CHAS. H. WISNER,

WM. O. OXFORD.