

JOHN L. SECOMB.

Improvement in Spring Bed-Bottoms.

No. 128,175.

Patented June 18, 1872.

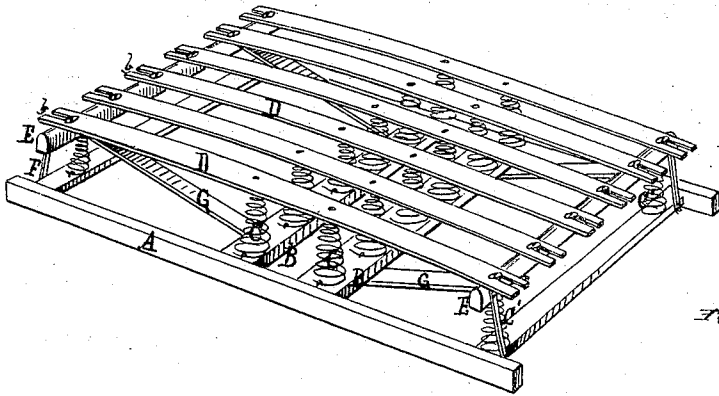


Fig. 1

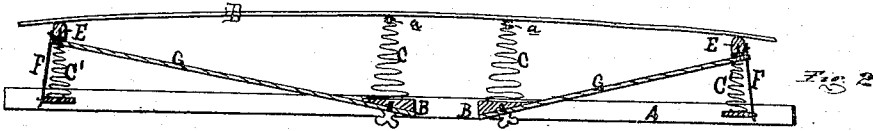


Fig. 2

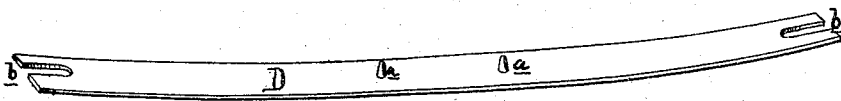


Fig. 3

ATTEST:  
H. S. Sprague  
H. F. Clark

INVENTOR:  
John L. Secomb  
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H. S. Sprague

# UNITED STATES PATENT OFFICE.

JOHN L. SECOMB, OF CHICAGO, ILLINOIS.

## IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 128,175, dated June 18, 1872.

*To whom it may concern:*

Be it known that I, JOHN L. SECOMB, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Spring Bed-Bottoms; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my improved bed-bottom, Fig. 2 is a vertical longitudinal section of the same, and Fig. 3 is a perspective view of a slat inverted.

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

The nature of this invention relates to an improvement in the construction of that class of spring bed-bottoms in which a series of longitudinal slats is supported by spiral springs, the combination of which affords the requisite elasticity. The invention consists in the peculiar construction and arrangement of a series of elastic wooden slats supported by spiral springs resting on the frame below, and, in connection therewith, a pair of wooden spring-bars at the head and foot so arranged as to support those parts, the whole being so arranged that it may be readily taken apart and packed for shipment in compact bundles.

In the drawing, A represents a light wooden frame to sit within the frame of a bedstead. At each side of the middle of its length there is mortised into the frame a transverse girt, B, whose under sides are beveled, as shown in Fig. 2. C are conical spiral springs secured by staples to the girts B, one to each girt for every slat. D are thin and elastic wooden slats, each having a wooden pin or stud, *d*, pendent from the lower side, which pins are inserted in the topmost coils of the springs. At each end of every slat there is a slot, *b*. C' is a similar spring at each corner, secured to the end cross-bars near the side pieces of the

frame. E is a bar provided with two studs to engage with the springs C' at one end of the frame, while a similar bar is in like manner supported at the other end. These bars are held down and in place by leather straps F tacked to the frame. In the top of each bar a series of screws is inserted therein, but not turned fully home. The slats are bent or sprung up at the middle until the slots in their ends can embrace the necks of the screws, when their heads will prevent the slats from being displaced. G are two wooden spring-bar braces, their lower inner ends being secured to the under and inclined sides of the girts B and their upper ends to the bars E in such a manner as to afford an elastic support for the latter as well as to prevent them from moving laterally.

This arrangement affords a cheap and durable bed-bottom, possessing the requisite elasticity in every part, noiseless in use, and readily repaired when necessary.

To facilitate their handling and stowing in shipment the lower frame is put together with mortises and tenons, so that it can be taken apart and bundled, the braces G being secured to the girts by winged screws, so that they can be turned around to lie flat on the sides of the girts. The slats may be bundled with the frame-pieces and the springs nested and secured thereto.

By making the spring-bars heavier the corner-springs C' may be dispensed with.

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

The construction and arrangement of the frame A, girts B, springs C, slats D, bars E, straps F, and spring-bar braces G, as shown and set forth.

JOHN L. SECOMB.

Witnesses:

H. S. SPRAGUE,  
H. F. EBERTS.