WILLIAM H. WOODWORTH.

Improvement in Spring Bed Bottoms.

No. 120,142. Patented Oct. 17, 1871.

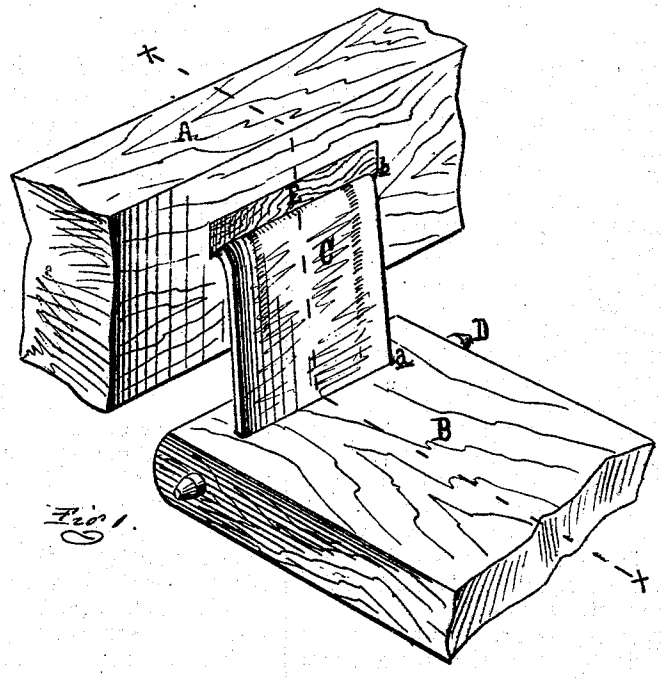

Fig. 1.

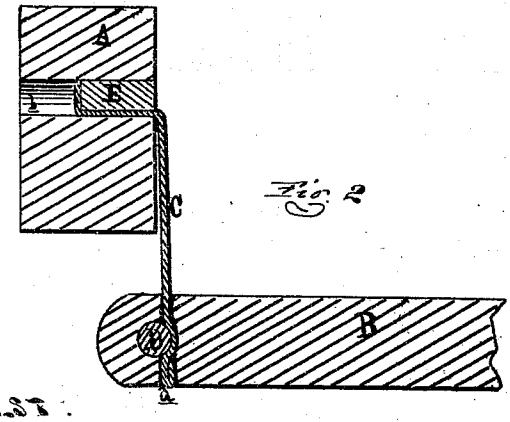

Fig. 2

ATTEST.
Myron H. Church
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UNITED STATES PATENT OFFICE.

WILLIAM H. WOODWORTH, OF PEWAMO, MICHIGAN.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 120,142, dated October 17, 1871.

To all whom it may concern:

Be it known that I, WILLIAM H. WOODWORTH, of Pewamo, in the county of Ionia and State of Michigan, 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, showing the application of my improvement, and Fig. 2 is a section of the same on the line *x x* in Fig. 1.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improvement in that class of spring bed-bottoms wherein elastic wooden slats are suspended from the end or side rails of the bedstead by means of elastic webbing; and it consists in a new and peculiar means for fastening the ends of the webs, whether single or double, to the slats and rails, as more fully hereinafter set forth.

In the drawing, A represents a portion of an end or side rail which is secured to the inner sides of ends or sides of the bedstead, and B is an end of a wooden slat suspended therefrom by means of an elastic web, C; and here I wish to disclaim the invention of any of the foregoing parts, the object of my invention being to afford a better means of securing the ends of the webs to the rails and slats. Near each end of the slat I bore a hole transversely through, in the direction of its width, to receive a pin, D, and then cut in the slat a tangential slot, *a*, whose length equals the width of the web, to bisect a portion of the hole through the slat. This slot should be just wide enough to pass the webbing, whose lower end should be turned or hemmed, as shown in Fig. 2, when it is secured in the slot by driving the pin through the hole, which wedges the web fast. To secure the other end of the web to the rail a rectangular mortise, *b*, is cut in the rail, the end of the web inserted therein, and secured by driving in a wedge-like block, E, as shown. The mortise need not extend through the rail, but a hole should be bored through at the center in order to drive out the wedge whenever necessary to renew the webbing, which is also disconnected from the slat by driving out the pin. In this way a strong and durable fastening is had without weakening the webbing by nails or screws, and has the merit of being perfectly noiseless in use.

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

The combination and arrangement, in a spring bed-bottom, of a series of slats, B, suspended from the rails A by elastic webs C, when said webs are secured to the rails and slats in the manner herein described, shown, and set forth.

WILLIAM H. WOODWORTH.

Witnesses:

L. HUNGERFORD,

A. E. LUDWICK.

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