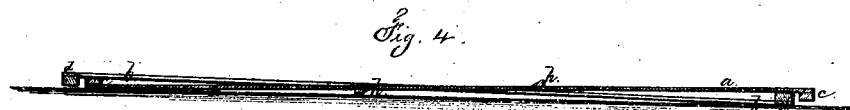
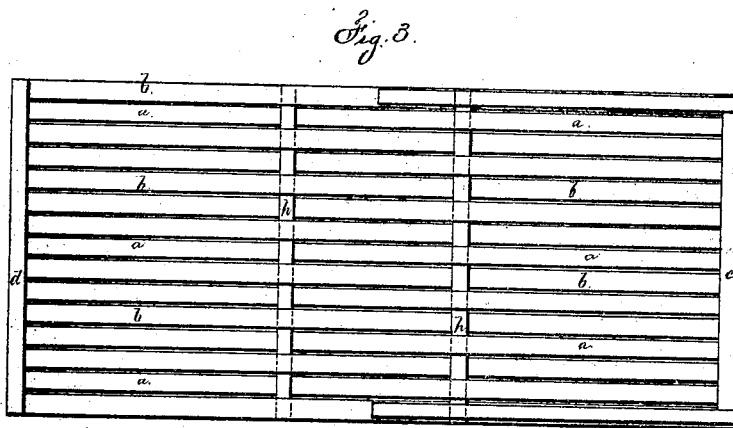
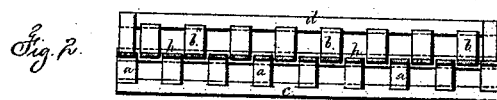
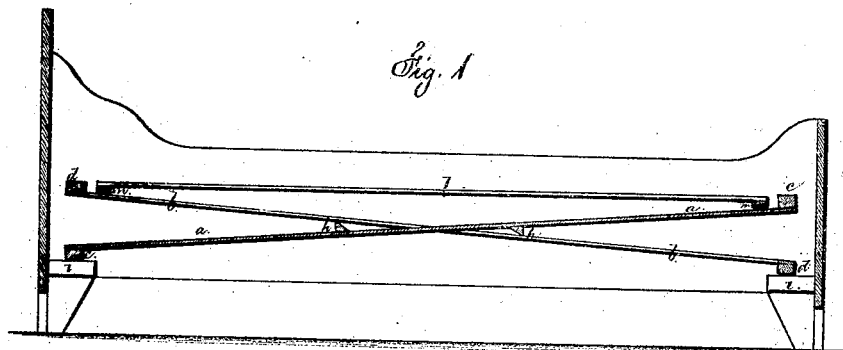


*E. C. Thompson,*

*Bed Bottom.*

*No. 111,402.*

*Patented Jan. 31. 1871.*



*Witness*

*Chas. H. Smith*  
*Geo. D. Walker*

*Edmund C. Thompson.*

*L. W. Serrell*

*att.*

# United States Patent Office.

EDWIN C. THOMPSON, OF NEW YORK, ASSIGNOR TO HIMSELF AND CHARLES L. O'BRIEN, OF ITHACA, NEW YORK.

Letters Patent No. 111,402, dated January 31, 1871.

## IMPROVEMENT IN BED-BOTTOMS.

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, EDWIN C. THOMPSON, of the city, county, and State of New York, have invented a certain new and useful Improvement in Springs for Bed-Bottoms, &c.; and the following is hereby declared to be a full and correct description thereof.

My invention relates to a spring-bottom for beds, sofas, and other articles, the same being made of two ranges or frames of slats, the slats of one range passing between and alternating with those of the other range, and standing at an inclination to each other so as to be interlocked and held in position by means of cross-bars attached to the ranges of slats near their points of intersection.

These cross-bars keep the respective ends of the ranges of slats separated from each other, to form spring sections between said cross-bars and the ends of the slats; and the central portion of the slats, where the greatest strength is required is very strong and at the same time yielding.

The mattress-padding or bedding may be placed upon the spring-bottom thus formed, or upon a separate range of slats resting at their ends upon the said spring-bottom.

In the drawing—

Figure 1 is a longitudinal section of my improved spring;

Figure 2 is a cross-section of the same at the line *x x*, fig. 1;

Figure 3 is a plan of said spring; and

Figure 4 is a sectional view illustrating the manner in which the spring may be folded for transportation. *a a* represent the slats forming one range, and *b b* are the slats of the other range.

These slats may be either of wood or metal, and are to be provided with cross-slats *c d* at either or both of their ends.

The slats *a* of one range pass between the slats *b* of the other range, and they take a bearing upon or are caused to interlock with each other by means of the cross-bars or bearers *h h*, which I have shown as attached to the slats *a a*, but said bearers might be

attached one to the slats *a* and the other to the slats *b*.

The ranges of slats *a* and *b* cross each other diagonally, and the cross-bars *h h* keep the respective ends of the ranges of slats *a b* apart from each other, to form spring-sections between said cross-bars and the respective ends of the slats, and said spring-sections may be made more or less yielding by placing the cross-bars *h h* nearer to or further from each other.

The cross-slats *c d* rest upon bearers *i i* in the bedstead, as usual, and I remark that these slats *c d* may be dispensed with upon one end of each of the ranges of slats *a b*, so that the same can be separated from each other to facilitate packing for transportation.

The spring-slats above described may be used as a bed-bottom without the use of the range of slats *l*, shown in fig. 1, but this range of slats *l* may be employed when desired, and by its use the mattress and bedding can be kept in better position when not in use, and a more nearly horizontal bed-bottom will be provided.

I have shown said slats *l* as resting upon the ends of the spring-slats *a b*, and connected at their ends by the cross-slats *m m*.

When the slats *a b* are provided with the cross-slats *c c d d*, as shown in fig. 1, the spring can be turned to the position shown in fig. 4, to reduce it to a small compass for transportation.

I claim as my invention—

1. The intersecting slats *a b*, crossing each other at an inclination, and kept in position by the cross-slats *h*, so as to form spring-sections for a bed-bottom or other article, substantially as set forth.

2. In combination with the foregoing parts, the separate frame of slats *l*, as and for the purposes set forth.

Signed by me this 5th day of December, A. D. 1870.

EDWIN C. THOMPSON.

Witnesses:

CHAS. H. SMITH,  
GEO. T. PINCKNEY.