

*C. D. Blinn,
Bed Bottom,*

N^o 47,789.

Patented May 23, 1865.

Fig. 1.

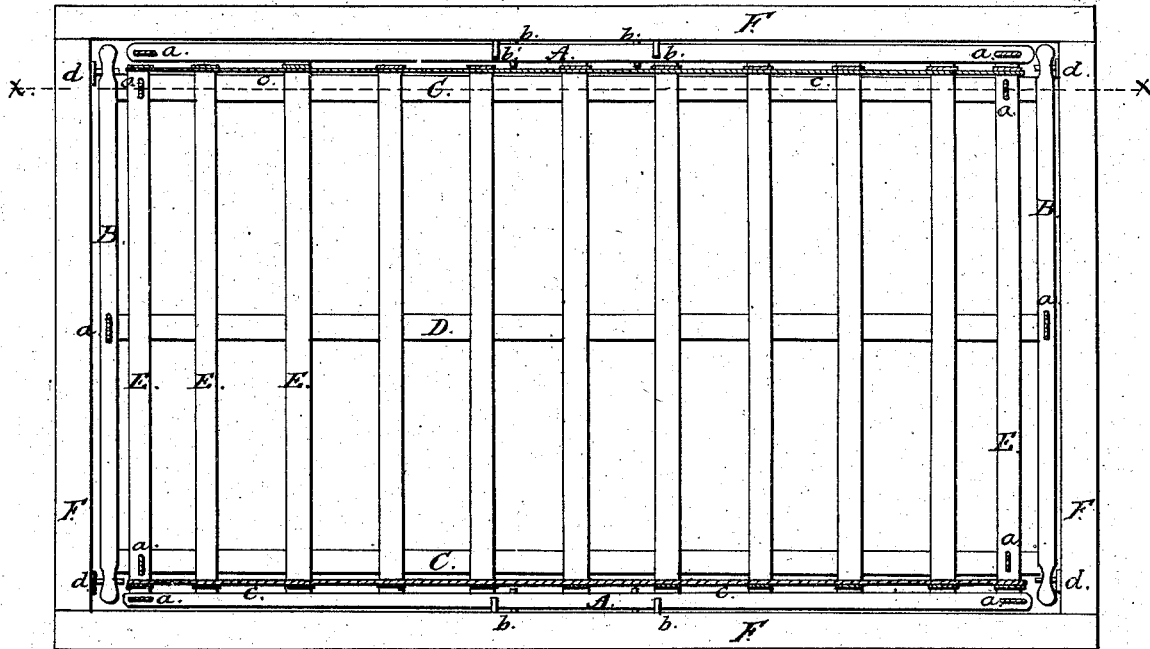
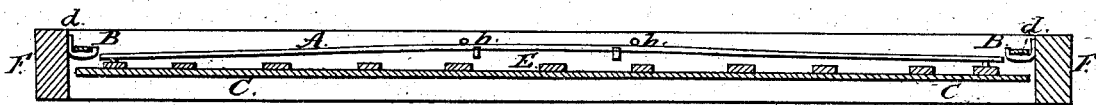


Fig. 2.



*Witnesses;
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Attys.*

UNITED STATES PATENT OFFICE.

CHARLES D. BLINN, OF PORT HURON, MICHIGAN.

IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 47,789, dated May 23, 1865.

To all whom it may concern:

Be it known that I, CHARLES D. BLINN, of Port Huron, in the county of St. Clair and State of Michigan, have invented a new and useful Improvement in Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of a bed-bottom made according to my invention. Fig. 2 is a longitudinal vertical section taken on the line *x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention consists in a novel construction of spring bed-bottom the elasticity of which is produced altogether by wooden slats connected to each other and to the bedstead in a peculiar way, so that the frame of the bed-bottom is affected by pressure on any part of it, and its different parts are made to bear a share of the load.

F F F F represent the side and end rails of a bedstead.

A A are slats which are connected near the center of their length and edgewise to the side rails, the connection being so made that the middle parts of said slats A A are fixed, while their ends are free to vibrate in vertical directions. The fastenings which connect the slats to the rails are designated by the letter *b*.

B B are slats, which are connected to the end rails F by means of hooks *d*, upon or in which the ends of said slats rest, their middle parts being free to yield to pressure from above.

D is a central slat, which extends from the middle part of one slat, B, to the middle part of the other, its ends being carried beneath said slats B and being suspended from them by means of loops *a* or their equivalents.

The letters E designate slats, which extend across the central slat, D, their ends coming beneath the side-rail slats A. These slats E may be more or less numerous, according to the size of the bedstead or the thickness of the stuff out of which the slats are made. The outermost slats, E, at either end of the frame, are connected at their ends to the ends of the side-rail slats A by means of loops or other fastenings, by which the slats E may be suspended from the ends of said slats A. Those slats E which are intermediate to the end slats E are connected to each other and to the latter by ropes or cords, which are so applied that each slat is kept at a proper distance from those adjacent to it.

C C are other slats, placed parallel with the central slat, D, and beneath the cross-slats E near to their ends, but within the line of the side rails A. The ends of said slats C reach beneath the ends of the end-rail slats B, and they are suspended from the same slats E, which are fastened to the side-rail slats A.

The slats A, B, C, and D are made stronger than the cross-slats E, the latter being made as thin and narrow as will be consistent with the duty they have to perform.

It will be observed that pressure upon the slats E is communicated through the central slat, D, to the end-rail slats B, and also through the slats C to the side-rail slats A, which slats A and B therefore sustain ultimately the load put upon the bed-bottom.

It will be observed also that the resistance of said slats A and B is of an elastic and yielding character and not rigid.

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

The bed-bottom above set forth, constructed substantially as herein described.

CHARLES D. BLINN.

Witnesses:

N. T. FARR,
R. M. FRENCH.