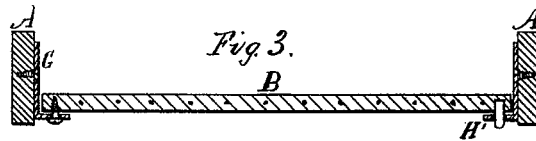
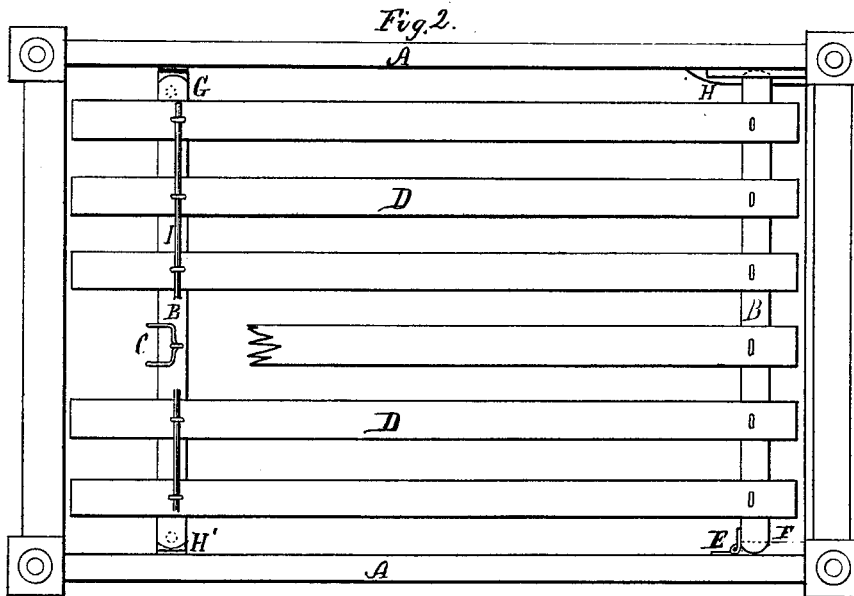
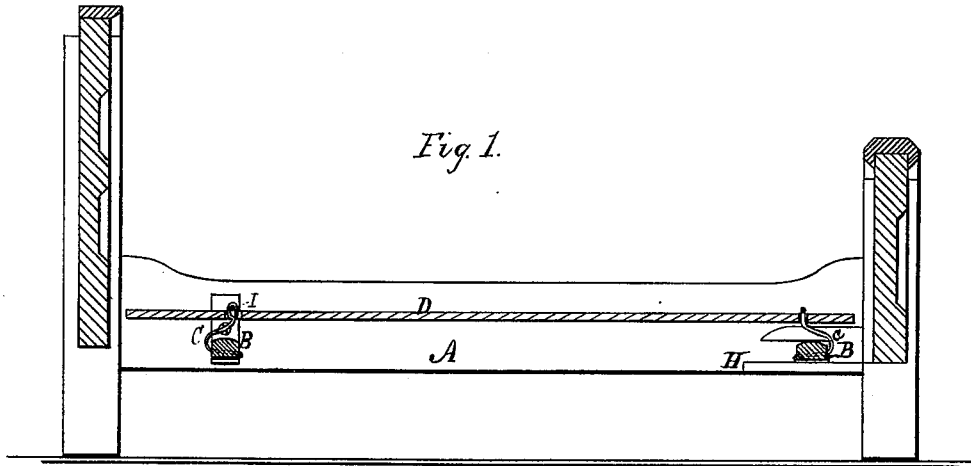


A. D. COOKE.  
Bed-Bottom.

No. 198,189.

Patented Dec. 18, 1877



Witnesses.

*A. B. Robertson*  
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Per.

Attorney.

# UNITED STATES PATENT OFFICE.

ALBERT D. COOKE, OF EASTON, PENNSYLVANIA.

## IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **198,189**, dated December 18, 1877; application filed October 12, 1877.

### *To all whom it may concern:*

Be it known that I, ALBERT DANIEL COOKE, of the borough of Easton, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to an improved spring bed-bottom of that class in which the slats run lengthwise of the bedstead, which is so constructed that it is inexpensive in its manufacture, easily set up, extremely elastic, and yet not liable to get out of order.

It consists, mainly, in hinging to the side rails supplementary cross-bars, distinct from the head and foot boards, provided with springs to support the slats, and in certain details of construction hereinafter more fully described, and shown in the drawing, in which—

Figure 1 is a longitudinal section; Fig. 2, a plan, and Fig. 3 a cross-section of cross-bar and side rails.

A A represent the side rails, to which are hinged the cross-bars B B, carrying the springs C C, supporting the slats D D.

These cross-bars are shown hinged or pivoted to the side rails in two ways. In one there is an ordinary hinge, E, employed, having one leaf fastened to the side piece, and the other to the cross-bar. As an additional support to the hinge, a cleat, F, is secured to the side rail. In the other there is a bracket, G, fastened to the side rail also, on which the cross-bar rests, and is secured to it by a screw, a headed pin, or nail passing through said bracket into the cross-bar. The ends of the latter are rounded, to admit of its turning so as to lie parallel with the side rail when packed for transportation or otherwise. The free ends of the cross-bars may rest on supports of any suitable kind, such as cleats on the side rails, as at H, recesses formed in the same, or metallic brackets, as shown at H', in which case it is advisable to have a stop attached either to the bracket or cross-bar, to prevent too much motion to the latter, as at H', where a pin is shown in the bottom of the bar passing through a hole in the bracket.

The spring is of the forked or branched variety, made so as to support the slat for nearly or quite its whole width, and thus prevent the splitting that frequently occurs when the slat is supported in its center only, and may be provided with a loop at its apex, to allow of the insertion of a cross-rod, I, which not only tends to keep each slat in its proper position on the top of its spring, but also binds the whole of them together by a flexible connection, so that they form a mutual support in case too great stress is laid on any single spring.

I have shown in my drawing two forms of springs, one with the loop on the top and the other without, either of which may be used, at the option of the manufacturer or purchaser.

Instead of hinging or pivoting only one end of each supplementary cross-bar, both ends may be hinged or pivoted to the side rails, if preferred.

By hinging the cross-bars to the side rails they can be folded compactly together in such a manner that the side rails will form a protection for the springs in transporting or storing the bedstead, and yet will occupy their proper places to receive the slats, without any trying or fitting, when the bedstead is to be set up.

I am aware that bedsteads having head and foot boards hinged to the side rails are old, and therefore disclaim such.

What I claim as my invention is—

1. A bed-bottom consisting of the supplementary cross-bars B B, distinct from the head and foot boards, hinged to the side rails A A, and provided with suitable slats D D, substantially as described.

2. The combination of the side rail A, cross-bar B, springs C, slats D, pivoted joints E, and supports H, substantially as set forth.

3. The combination, with the cross-bar B, of the hinge E, cleat F, and support H, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ALBERT D. COOKE.

Witnesses:

GEO. FINLEY,  
J. S. STEWART.