

L. E. Payne,

Bed Bottom,

Patented Feb. 9, 1864.

N^o 41,533.

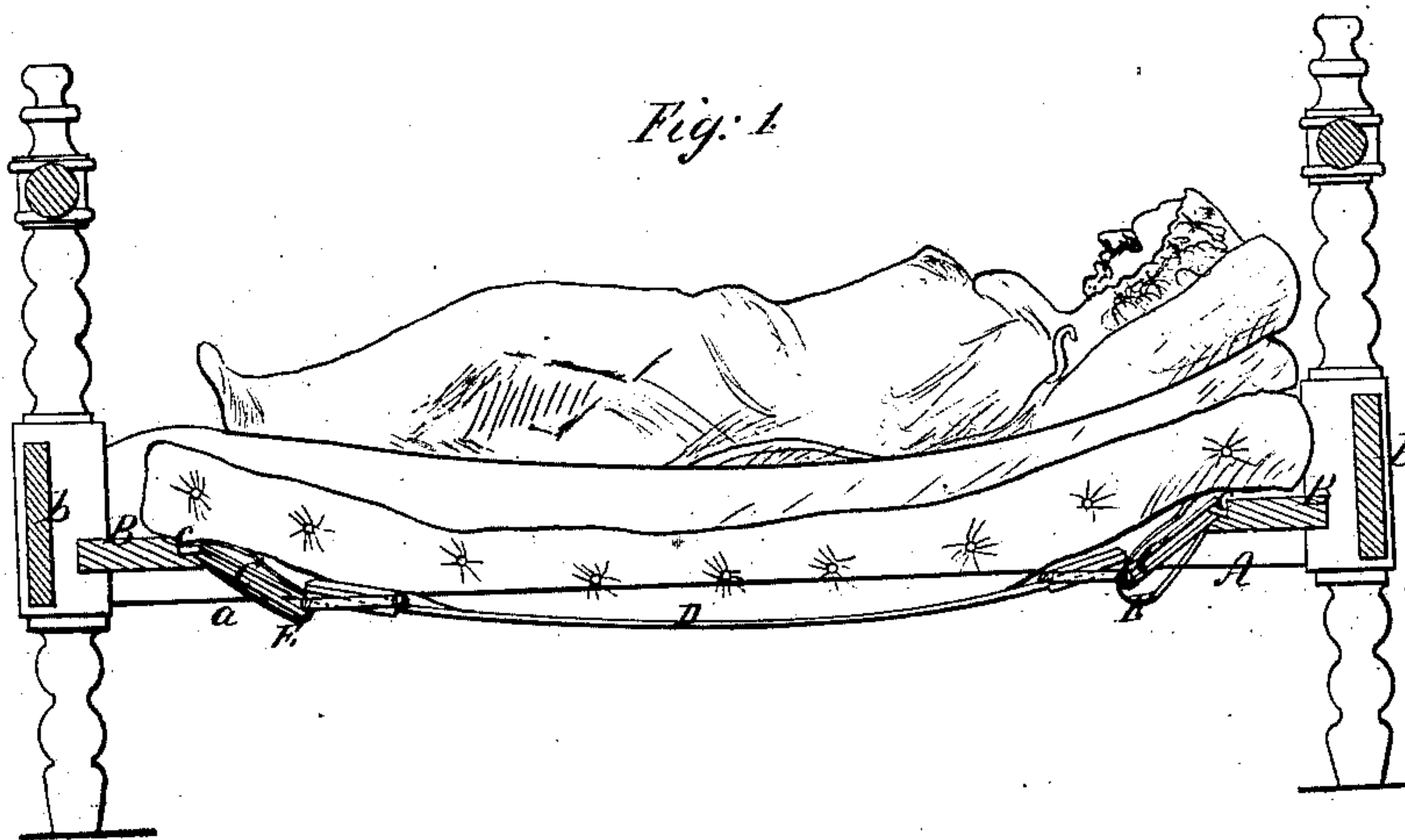
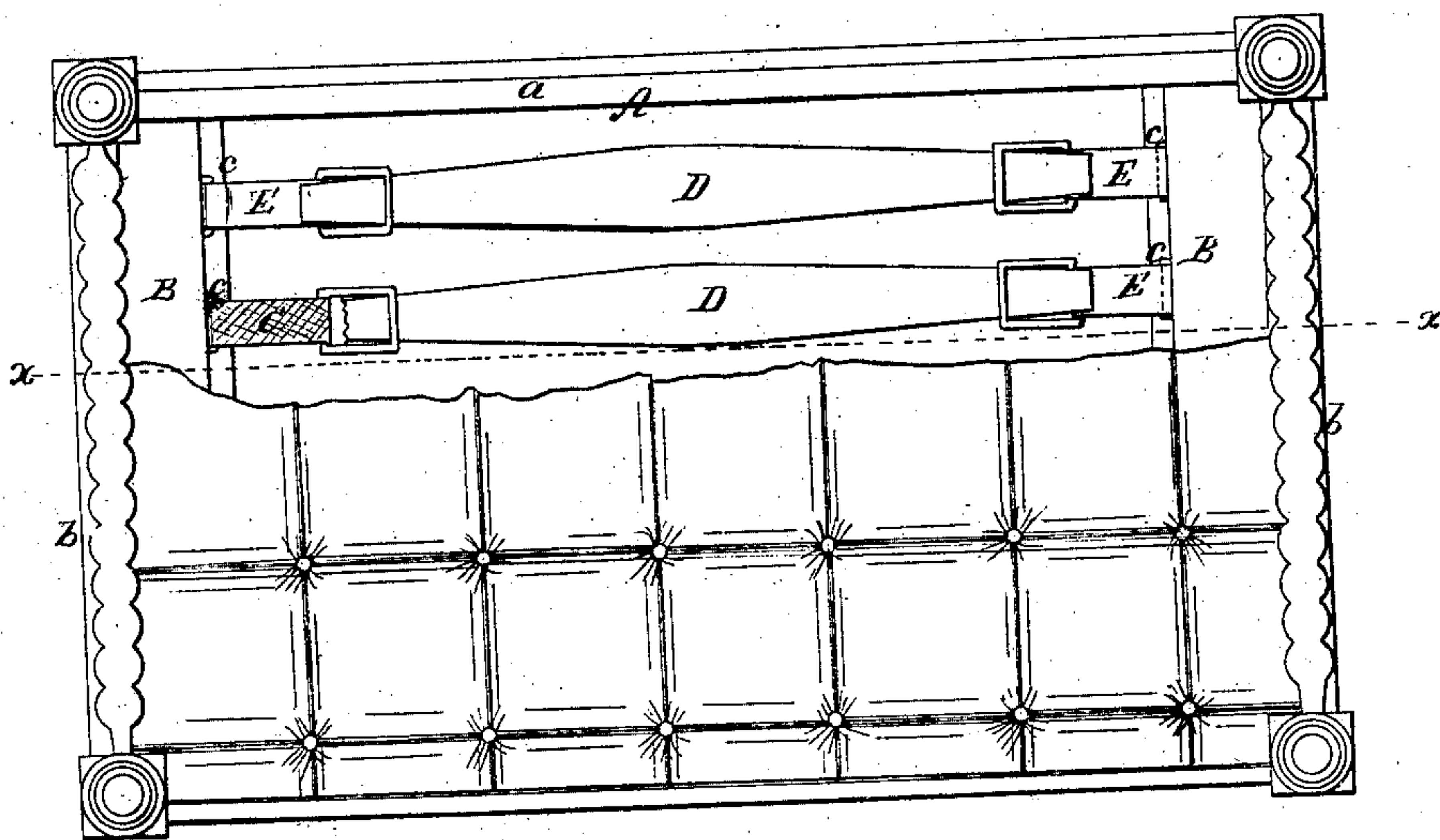


Fig. 2



Witnesses;

*J. W. Corbin
W. R. Red*

*Inventor,
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per [Signature]
Attorney*

UNITED STATES PATENT OFFICE.

LYMAN E. PAYNE, OF DISCO, MICHIGAN.

IMPROVED SPRING BED-BOTTOM.

Specification forming part of Letters Patent No. **41,533**, dated February 9, 1864.

To all whom it may concern:

Be it known that I, LYMAN E. PAYNE, of Disco, in the county of Macomb and State of Michigan, have invented a new and Improved Spring Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention, the line *xx*, Fig. 2, indicating the plane of section. Fig. 2 is a plan or top view of the same.

Similar letters of reference in both views indicate corresponding parts.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a bedstead, made of wood or any other suitable material in the ordinary manner, with side rails, *a*, and head and foot rails *b*.

B are cross-pieces inserted into the head and foot pieces independent of the head and foot rails, and those cross-pieces are provided with a series of staples, *c*, or suitable hooks or their equivalents, to which the india-rubber springs C can be conveniently fastened. Each of the springs connects with a strap, D, made of hard wood or other suitable elastic material, so that by a person lying on the bed the combined elasticity of the slats and of the springs will come into play.

By using cross-pieces B independent of the

head and foot rails all the strain exerted on the bedstead by the person lying down on it is sustained by said cross-pieces, which being inserted edgewise are not liable to be bent out of shape and the head and foot rails will retain their proper shape.

Each of the springs C is surrounded by a leather strap, E, which extends from the staple or hook in the cross-piece to the end of the slat, so that when the springs are stretched to their full capacity the strain is taken off by the leather straps and the elasticity of the springs is preserved. It is obvious that the straps E may be made of any other suitable material.

The slats D are made heavier in the middle, so that they may spring the most at the ends, and thereby leave the bed nearly straight in the middle.

This bottom is very cheap in its construction. It is light, easily put up or taken down, and it is very durable and not liable to get out of order or to cause injury to the bedstead.

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

The employment or use of straps E, in combination with the springs C, slats D, and bedstead A, all constructed and operating in the manner and for the purpose substantially as shown and described.

LYMAN E. PAYNE.

Witnesses:

LAFAYETTE WARREN,
JOHN NORTON.