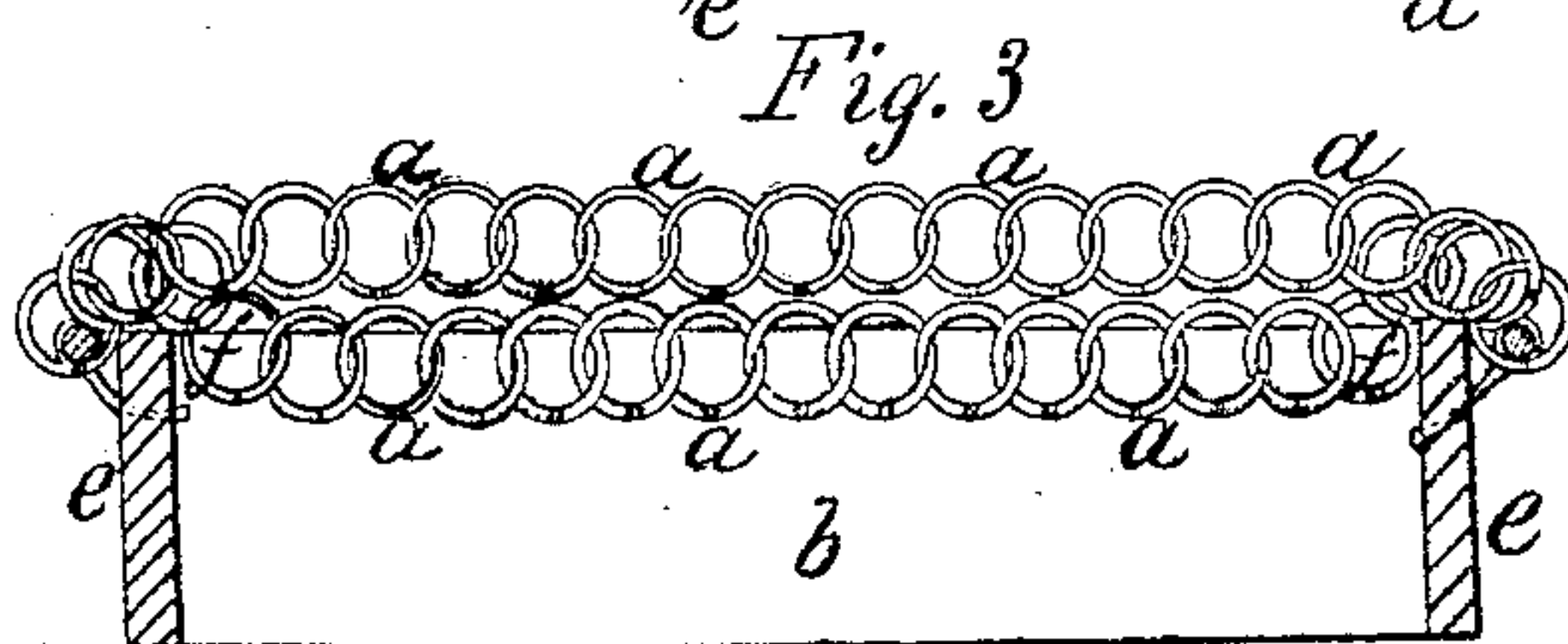
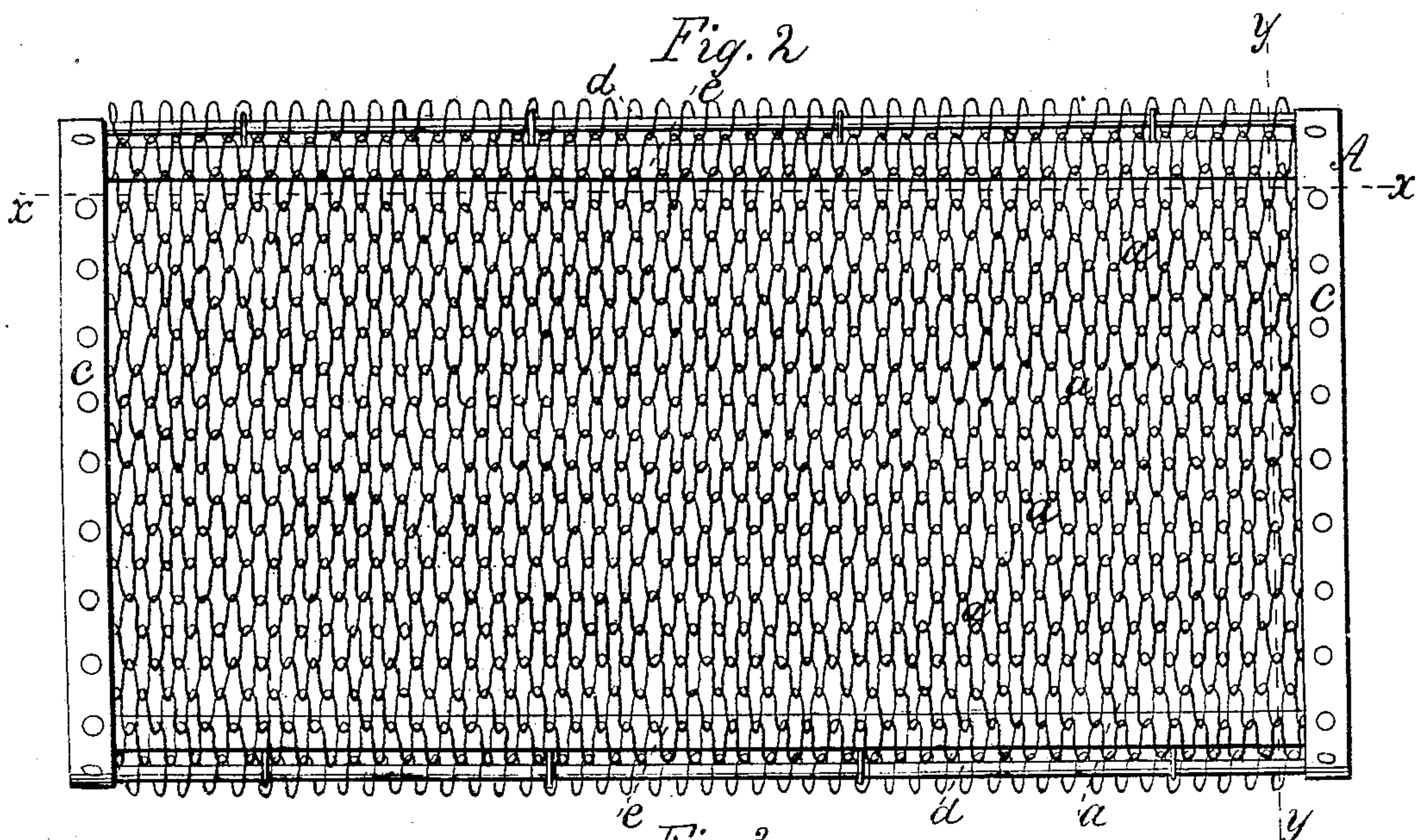
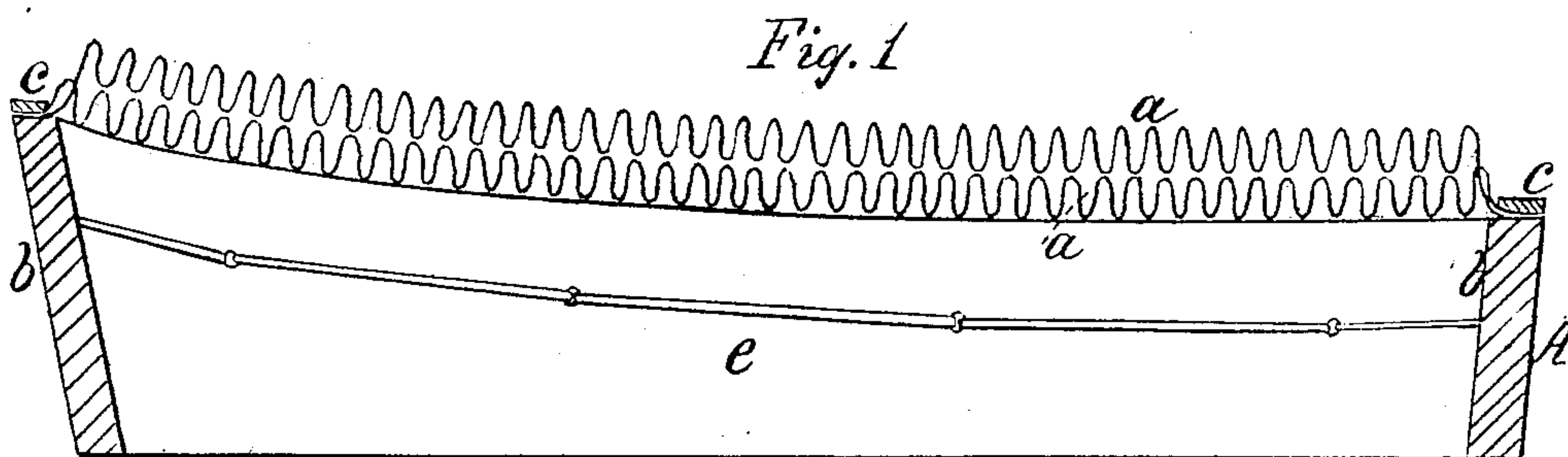


*O.A.A. Rouillon,
Spring Bed-Bottom,*

*No. 2,681,
33,685,*

Patented Nov. 5, 1861.



Witnesses

*J. W. Coombs
M. H. Livingston*

Inventor

*O. A. Rouillon
per Munn & Co.
Attorneys*

UNITED STATES PATENT OFFICE.

O. A. A. ROUILLION, OF NEW YORK, N. Y., ASSIGNOR TO W. HERMANN STUBBE.

IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 33,685, dated November 5, 1861.

To all whom it may concern:

Be it known that I, O. A. A. ROUILLION, of the city, county, and State of New York, 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, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section of my invention, taken on the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same; Fig. 3, a transverse vertical section of the same, taken in the line *y y*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to obtain a spring or elastic bed-bottom of simple construction, which will be more flexible than those hitherto devised, and which will admit of being used with a very thin mattress or bed.

The invention consists in constructing the bed-bottom of a series of spiral springs connected together and forming one or more layers, as hereinafter shown and described.

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

A represents a rectangular frame constructed of such dimensions as to fit in the bedstead and fill the space within the head and foot rails and the side rails. To this frame A the bed-bottom is attached. The bed-bottom is formed of a series of spiral springs, *a*, which may be constructed of any suitable wire, iron, steel, copper, or composition. The springs may be about half an inch in diameter. That would probably be the most desirable size; but they may be greater or less, as circumstances require, and the wire may be of any

suitable thickness, according to the size of the bed-bottom or the weight it is designed to sustain. The springs *a* are interlocked or twisted one within the other, as shown clearly in Figs. 2 and 3, so as to form a complete wire bottom, which covers the upper part of the frame A. The ends of the springs *a* may be secured to the end pieces, *b b*, of the frame A by means of cleats or leather strips *cc*, which are nailed on the upper edges of *b b*, with the ends of the springs *a* beneath them. The springs *a* at the sides of the bed-bottom are fitted on rods *d d*, which are secured one to each side piece, *e*, of the frame A, as shown in Figs. 2 and 3. There may be two or more layers of the springs *a*, one over the other. Two layers are shown in the drawings, the springs at the sides of the lower layer being connected to springs near the sides of the upper layer, as shown at *ff* in Fig. 3.

A bed-bottom thus constructed is extremely flexible, yielding or giving to the movement of every limb of the occupant and conforming perfectly to the shape or position of the body.

A very thin mattress only is required for the bottom, owing to its extreme flexibility or yielding tendency.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An elastic bed-bottom constructed of a series of spiral springs interlocked or connected together to form one or more layers or bottoms, one over the other, and attached to a suitable frame, substantially as shown and described.

O. A. A. ROUILLION.

Witnesses:

RICHARDSON GAWLEY,
JAMES LAIRD.