

E. L. Bushnell,

Bed Bottom.

No. 108,447.

Patented Oct. 18. 1870.

Fig. 1.

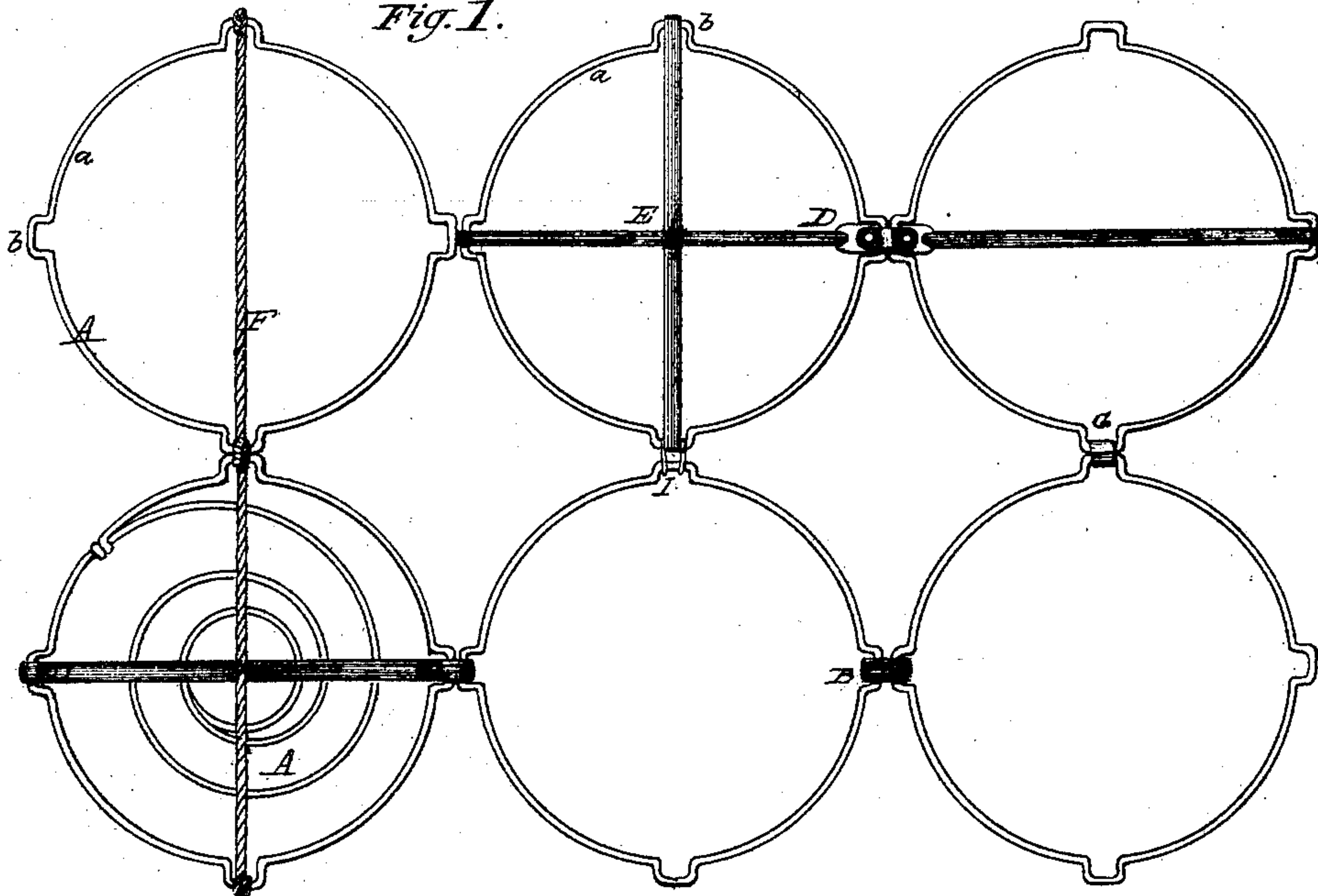
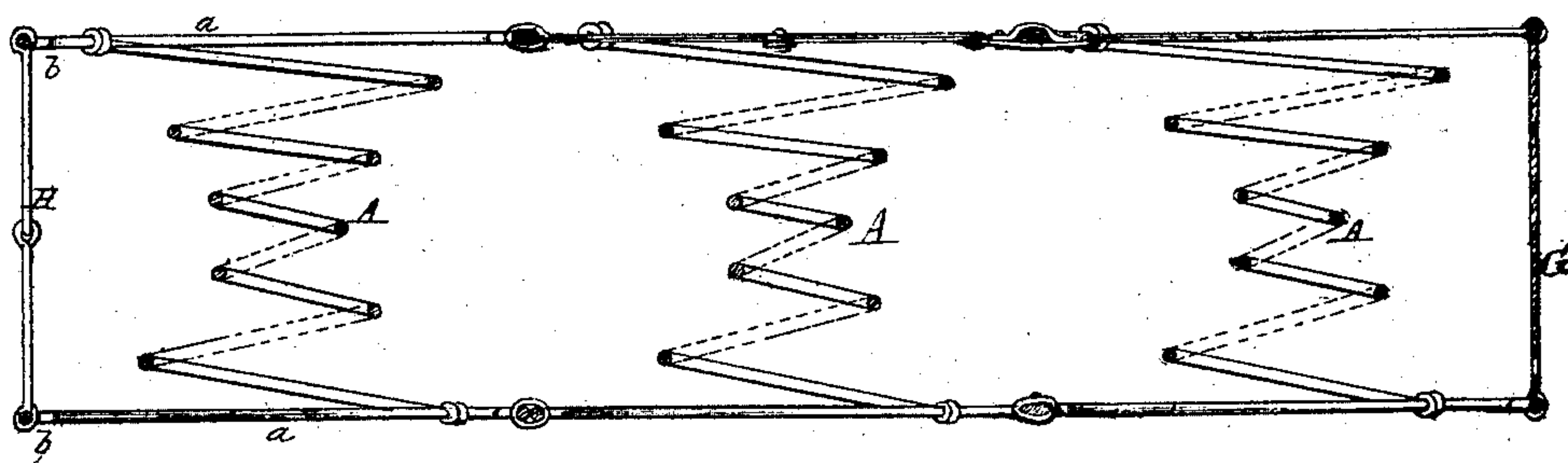


Fig. 2.



Witnesses: *L. Hailer.*
Phil. S. Dodge,

Inventor
E. L. Bushnell.
by Dodge & Mann
his attys

UNITED STATES PATENT OFFICE.

EDWIN L. BUSHNELL, OF POUGHKEEPSIE, NEW YORK.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 108,447, dated October 18, 1870.

To all whom it may concern:

Be it known that I, EDWIN L. BUSHNELL, of Poughkeepsie, in the county of Dutchess and State of New York, have invented certain Improvements in Bed-Bottoms, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to spring bed-bottoms; and it consists in connecting the springs composing it by metal clasps riveted together, and in connecting these riveted clasps with metal straps extending across the springs, as hereinafter explained.

In the drawings, Figure 1 is a top plan view, and Fig. 2 is a cross vertical section.

The springs A, forming the body of the bed-bottom, are made in the usual spiral form, and arranged, relatively, as clearly shown in both figures. After being thus arranged they are connected by metallic clasps, riveted, so as to secure them permanently in place. These clasps are applied, as shown at B, Fig. 1, by bending a piece of sheet metal about the outer adjoining rings, *a*, of two of the springs A, and then securing it permanently in place by means of rivet *c*, passing through it between the rings *a*, as shown in both figures; or the clasp may be constructed of two pieces, so arranged as to embrace the rings *a* and hold them by means of rivets passing through them within the rings, as shown at D in both figures; or the ends of a metal strap placed across the ends of the rings may be bent around the rings and

riveted, as shown in both figures. After the clasps, as shown at B and D, Fig. 1, are riveted, they are connected by metal straps E, as shown in the same figure. These straps bind the springs together, so as to form the bed-bottom of any size desired.

I am aware that the springs for bed-bottoms have been connected by simply bending a metal clasp about their adjoining rings and leaving it without riveting, as clearly shown at G, Fig. 1; but as these work loose and the springs become disconnected, I have overcome the difficulty by the construction and arrangement of riveted clasps, which connect the springs permanently together.

Having thus described my invention, what I claim is—

1. The arrangement, in connection with the bed-springs having the eyes or loops, of the riveted clasps for uniting and holding the springs in position, substantially as shown and described.

2. The metallic strips E, arranged across the springs, and secured at their ends to the loops of the springs, or to the clasps that unite the springs, to prevent the springs from spreading open, and forming a support for the mattress or clothing, substantially as herein set forth.

EDWIN L. BUSHNELL.

Witnesses:

A. H. CHAMPLIN,
ROYAL C. SOUTHWICK.