

S. L. Southard. Imp^d Bed-bottom

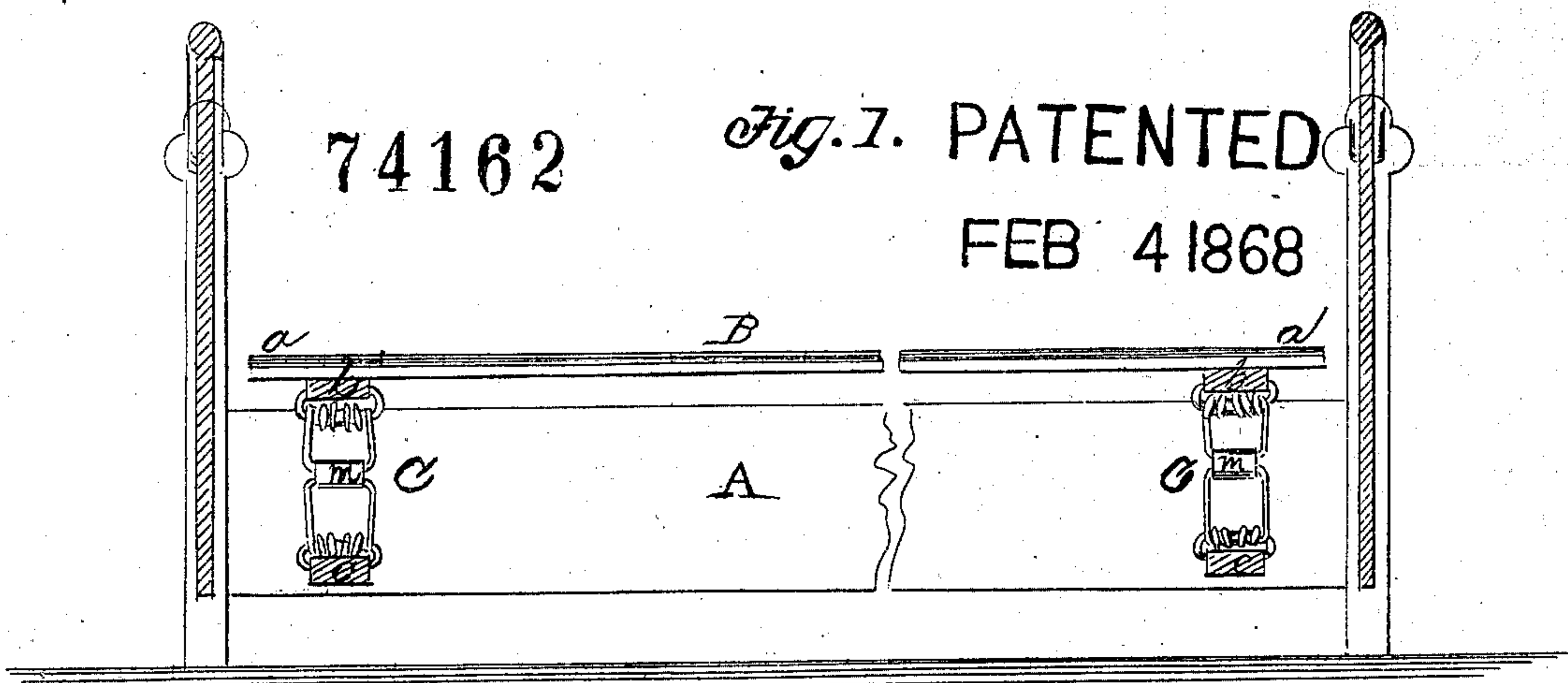


Fig. 2.

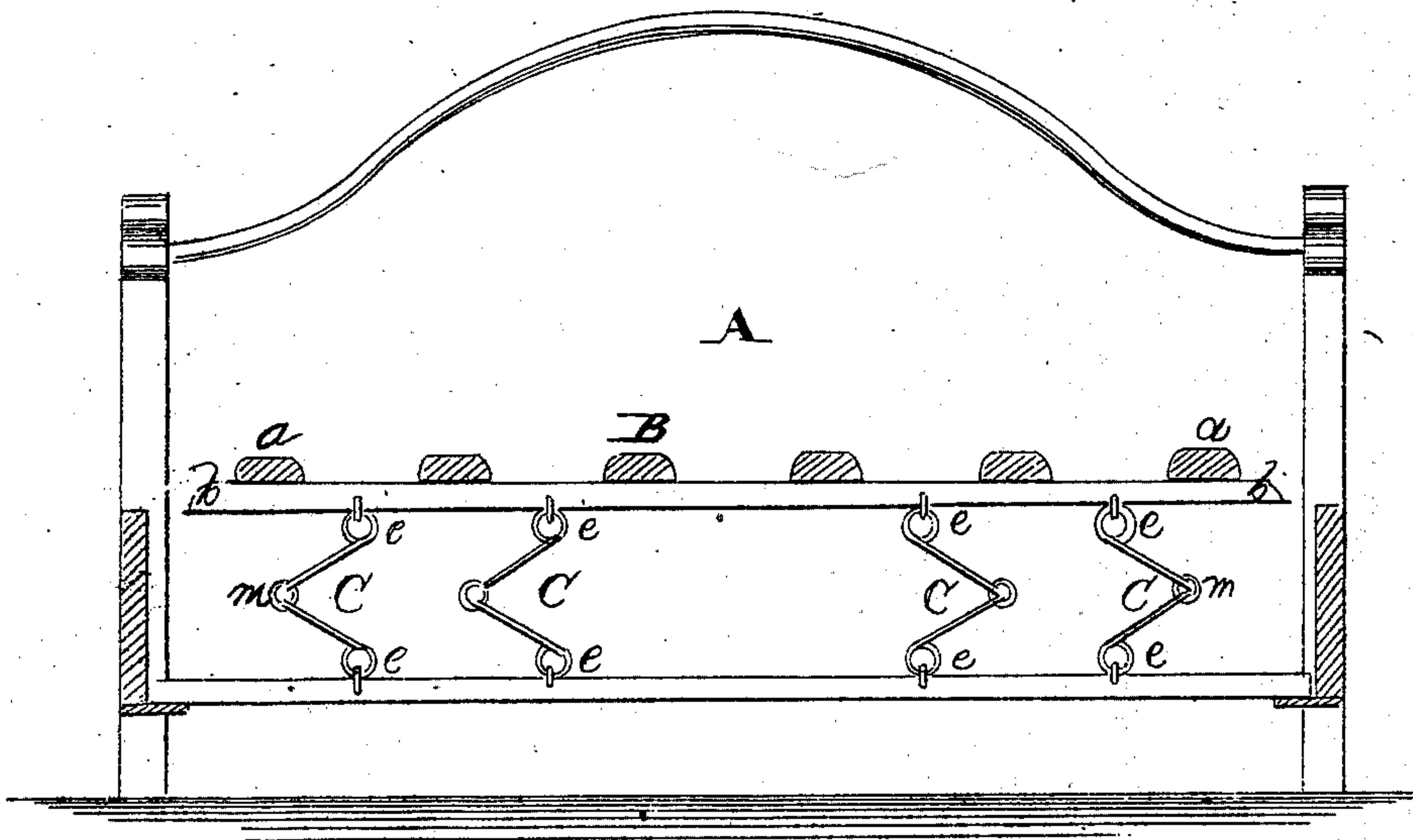
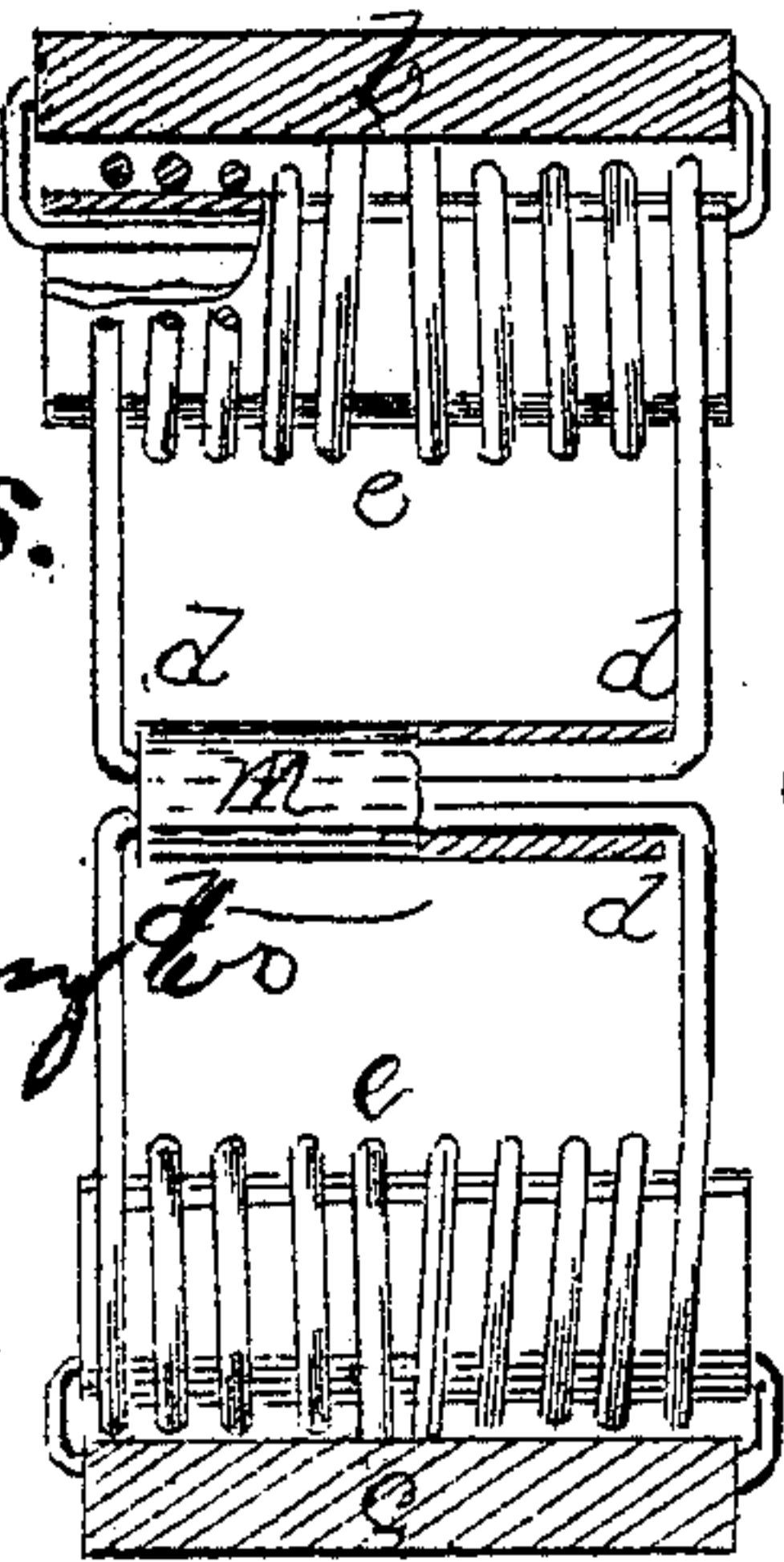


Fig. 4.

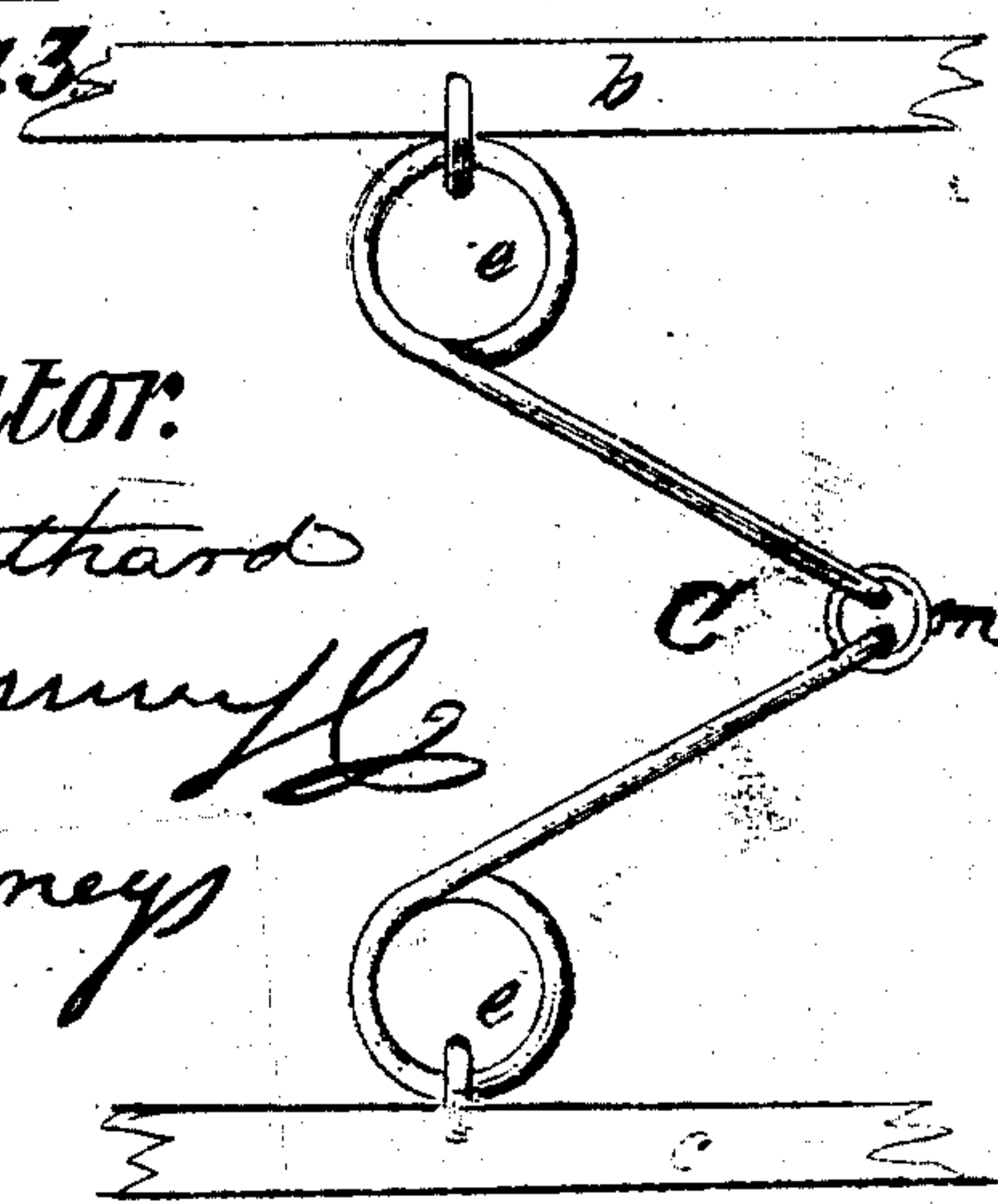


Witnesses.

A. F. Roberts

J. M. Compton

Fig. 3.



Inventor.

S. L. Southard

per Munnell

Attorneys

United States Patent Office.

S. L. SOUTHARD. OF ROCK ISLAND, ILLINOIS.

Letters Patent No. 74,162, dated February 4, 1868.

IMPROVED BED-BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, S. L. SOUTHARD, of Rock Island, in the county of Rock Island, and State of Illinois, 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 vertical longitudinal section of a bedstead having my improved bed-bottom attached.

Figure 2, a vertical cross-section of the same.

Figure 3, a detached end view of a single spring.

Figure 4, a detached side view of a double spring.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement in bed-bottoms, and consists in an arrangement of compound spiral springs attached to the under side of the bed-bottom, and resting upon cross-pieces set in the bedstead, as hereinafter more particularly described.

A represents a bedstead, in which a bed-bottom, B, formed of slats *a a*, running lengthwise of the bed, attached at the head and foot to cross-bars *b b*, which rest on springs C C, placed between the bars, and similar bars *c c*, which set within the rails of the bedstead on projections or shoulders. The springs C C are formed of pieces of wire, coiled into spirals, *e e*, at their ends, and bent to form loops or yokes *d d* in the middle. The ends of the springs are fastened to the cross-bars *b b c c*, and the yokes of each pair of springs attached above and below on the bars are confined together by a tube or sleeve, *m*, and they are so placed that the cross-bars *b b c c* shall be spread apart when the springs are expanded, so that when a weight is placed on the bed-bottom they may be compressed, and thus form elastic springs.

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

The springs C C, constructed as described, consisting of the wires coiled into spirals *e e* at their ends, said spirals fitting upon loops secured to the slats *b c*, the centres of said wires bent to form loops or yokes *d*, connected by the tube *m*, all arranged as described for the purpose specified.

S. L. SOUTHARD.

Witnesses:

O. B. HUGGINS,

H. C. HUGGINS.