

(No Model.)

W. H. SHIPMAN.

SPRING BED BOTTOM.

No. 272,167.

Patented Feb. 13, 1883.

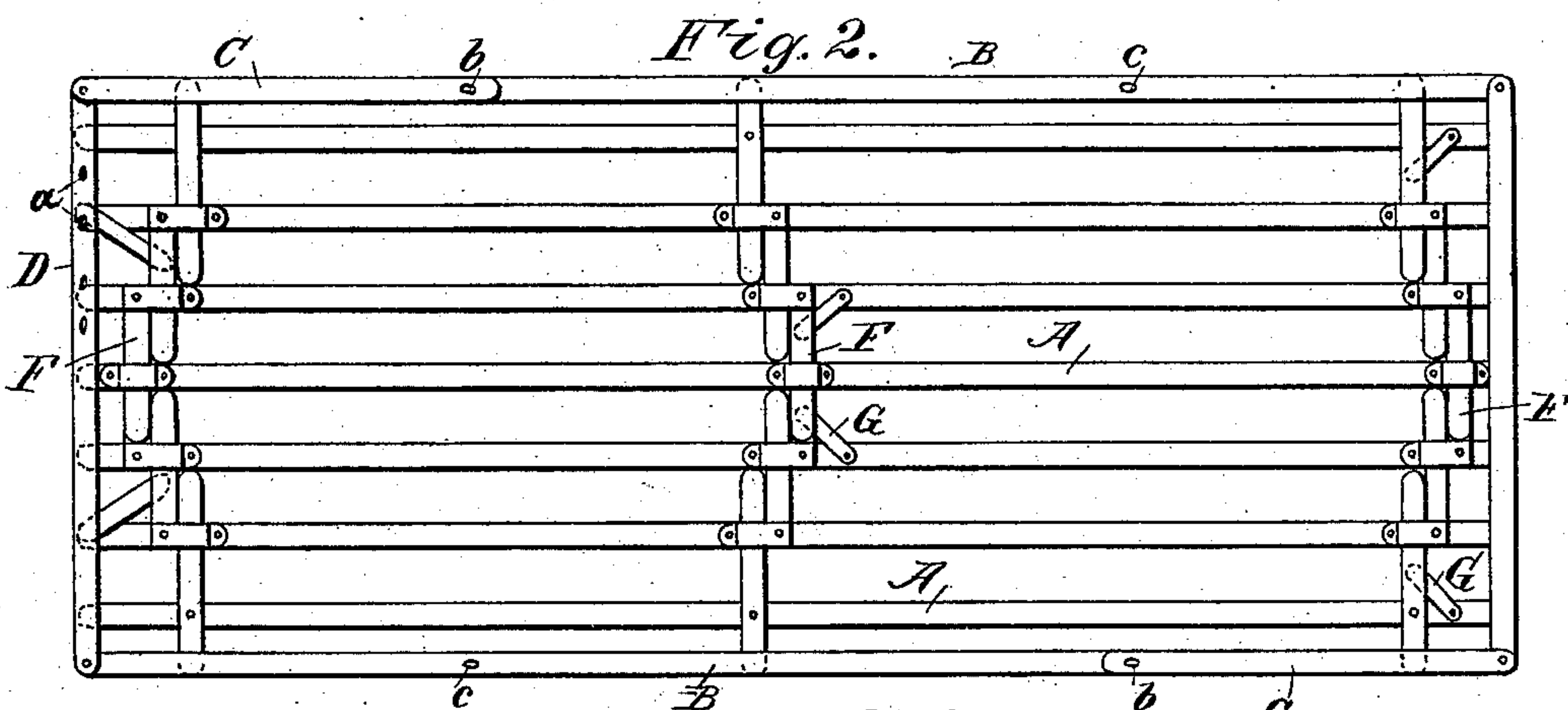
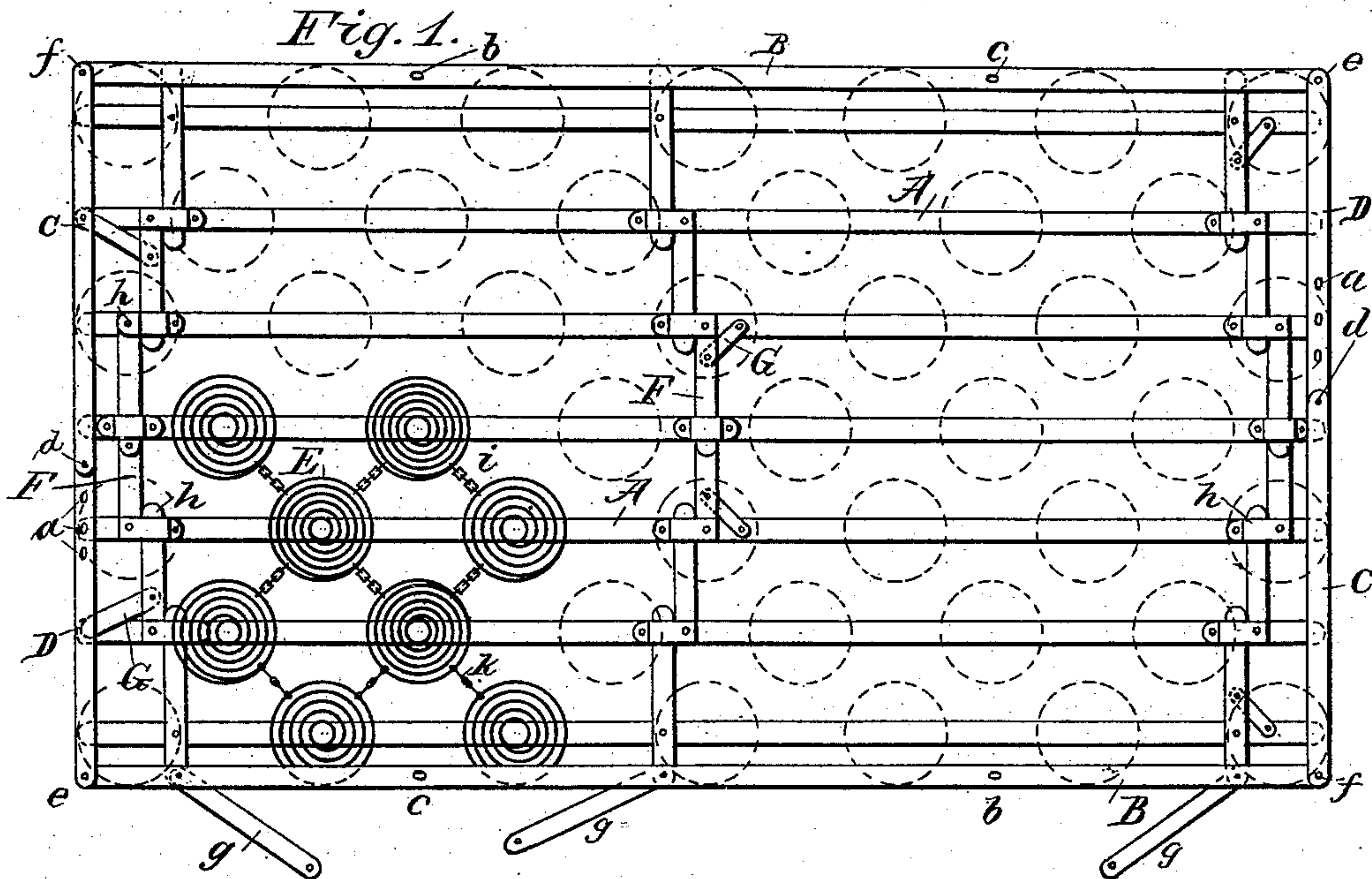


Fig. 3.

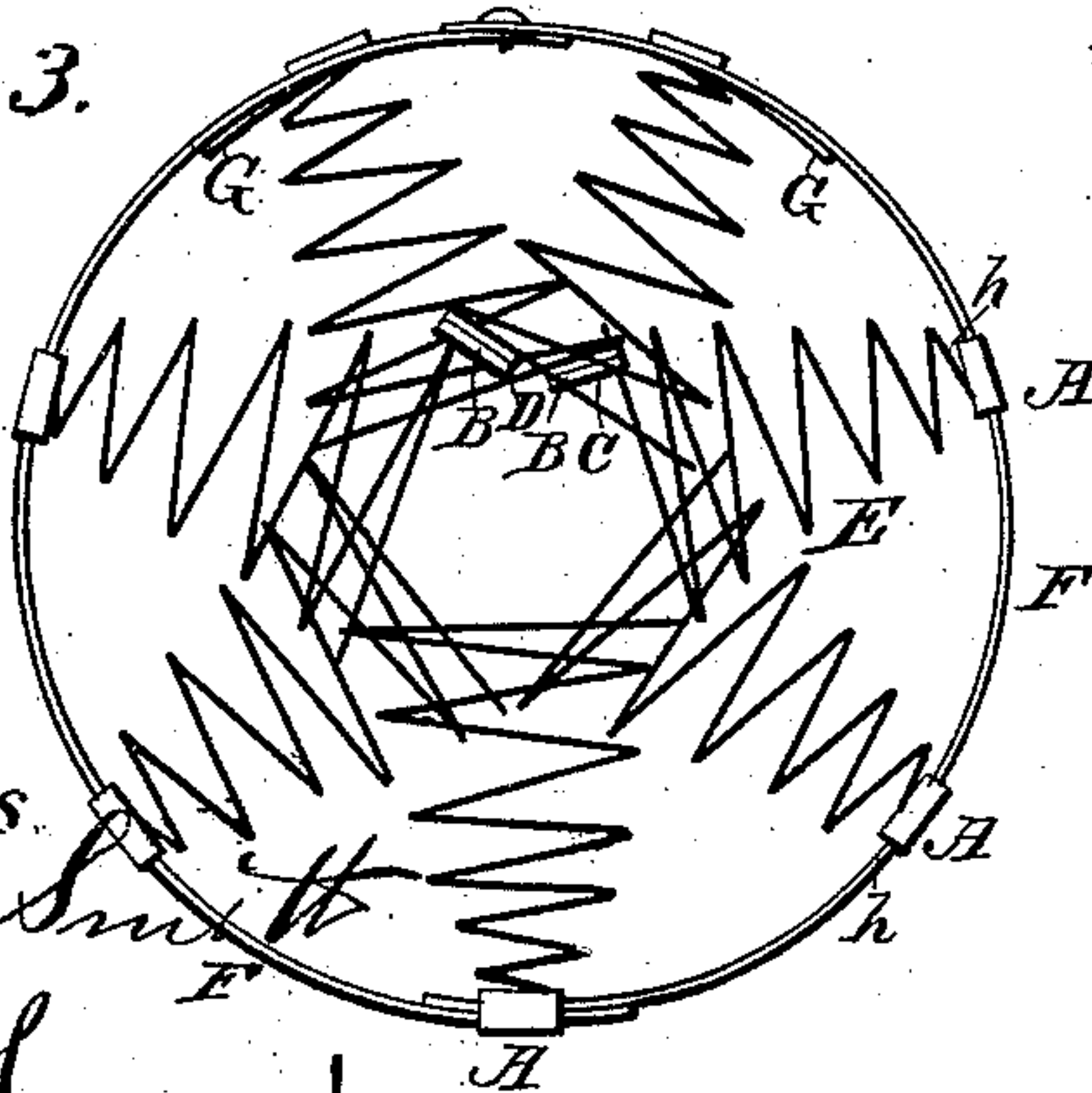
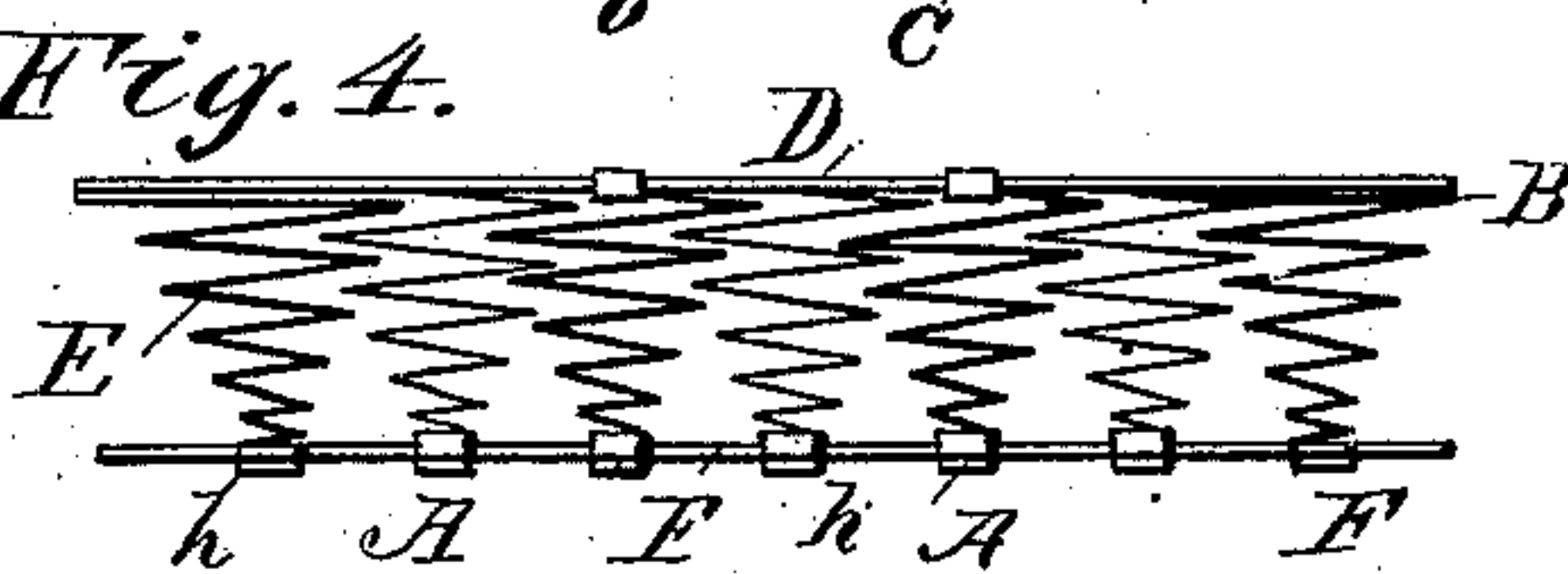


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

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SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 272,167, dated February 13, 1883.

Application filed July 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SHIPMAN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the invention.

My invention comprises a spring bed-bottom which can be rolled up, or the parallel long slats can be made to slide together, thus in either way making a small compact package for storage or transportation, or the bed-bottom will fit different-sized bedsteads, which will be found of the greatest convenience.

In the accompanying drawings, Figure 1 represents a plan or top view when ready for use; Fig. 2, a plan or top view when contracted and with the springs left off; Fig. 3, an end view when rolled up, showing only the first and second rows of springs from the head; Fig. 4, an end view when contracted, showing only first and second rows of springs from the foot.

Similar letters refer to similar parts throughout the several views.

In the accompanying drawings, which form part of this specification, A A represent the long slats or strips of the bed-bottom, preferably made of hoop-iron or steel, on which are fastened the springs E E, which springs are in the form of inverted cones and fastened at the small ends to the strips A A.

B B are the top strips, rigidly fastened to the top of the springs.

C C and D D are the top end strips, in two pieces, fastened to the top of springs, but not rigidly.

F F are the cross bottom strips to connect the parallel long strips A A, and are fastened at one end of each piece and slide through the brackets h h, thus allowing the strips A A to be slid toward each other, as in Figs. 2 and 4, or to be used on different-sized bedsteads. These strips F F are also flexible, made preferably of band-steel, and when fully extended can be rolled up, as in Fig. 3.

G G are small braces, which serve to keep the bed-bottom rectangular. These braces can be dispensed with and one or more long braces, free at one end, substituted.

The upper coils of the springs are to be connected together by chains of small links i, or long links k, or other flexible connections.

In rolling up very narrow beds, the ends of the rolling strips will not meet; therefore I attach a piece, as at g, to the end of each strip by a rivet that will allow it to swing, or by a hinge, so that when the bed is extended for use it can be doubled in, and when the bed-bottom is to be rolled up can be used in making the rolling strip long enough to roll up easily and fasten.

In using the bed-bottom on a bedstead of full size it appears as at Fig. 1. If desired for a smaller-sized bed, the end top strips, C D, can be loosened in the middle at d, the bed-bottom slid to the required size, and the top strips fastened in the holes a a by a clamp or button d. This adjustment, which is so easily made, will be found of the greatest convenience, as it is very often desirable to change the spring-bed from one bedstead to another, which cannot be done in a bottom with a strip in one piece or rigidly fastened together. When it is desired to close it up entirely, the top strips, C D, are loosened at f, the bed is slid together, the ends of the strips C and D being at f, and there fastened, while the other end of strip C is fastened at b, thus securing the bed-bottom in this small compass, as represented in Figs. 2 and 4.

When it is desired to roll up the bed-bottom it is extended to its full width, the top strips, C D, are unfastened at f and swung on e entirely over to the side top strips, B, when d is at c and f is at b, and there fastened and the bed-bottom rolled up, presenting the appearance shown at Fig. 3.

I am aware that prior to my invention bed-bottoms have been made to roll up; also, that bed-bottoms have been constructed to shove together. I therefore do not claim the combination, broadly; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. In a roll-up spring bed-bottom, the small strips g, and said strips being pivotally attached to the rolling or bottom cross-strips, F, substantially as and for the purpose specified.

2. In a roll-up spring bed-bottom, the combination of the slats A and the cross-strips

F, said strips lying side by side, or parallel, and having one end secured to a slat, A, and the other end made to slide on the adjoining slat under the bracket *h*, substantially as and
5 for the purpose set forth.

3. The combination of the slats A, the strips F, made to slide on the adjoining slat

under the bracket *h*, and the end top strips, C, D, substantially as and for the purpose named.

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Witnesses:

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