

(No Model.)

J. ALLAN.

SPRING BED.

No. 363,878.

Patented May 31, 1887.

FIG. 1.

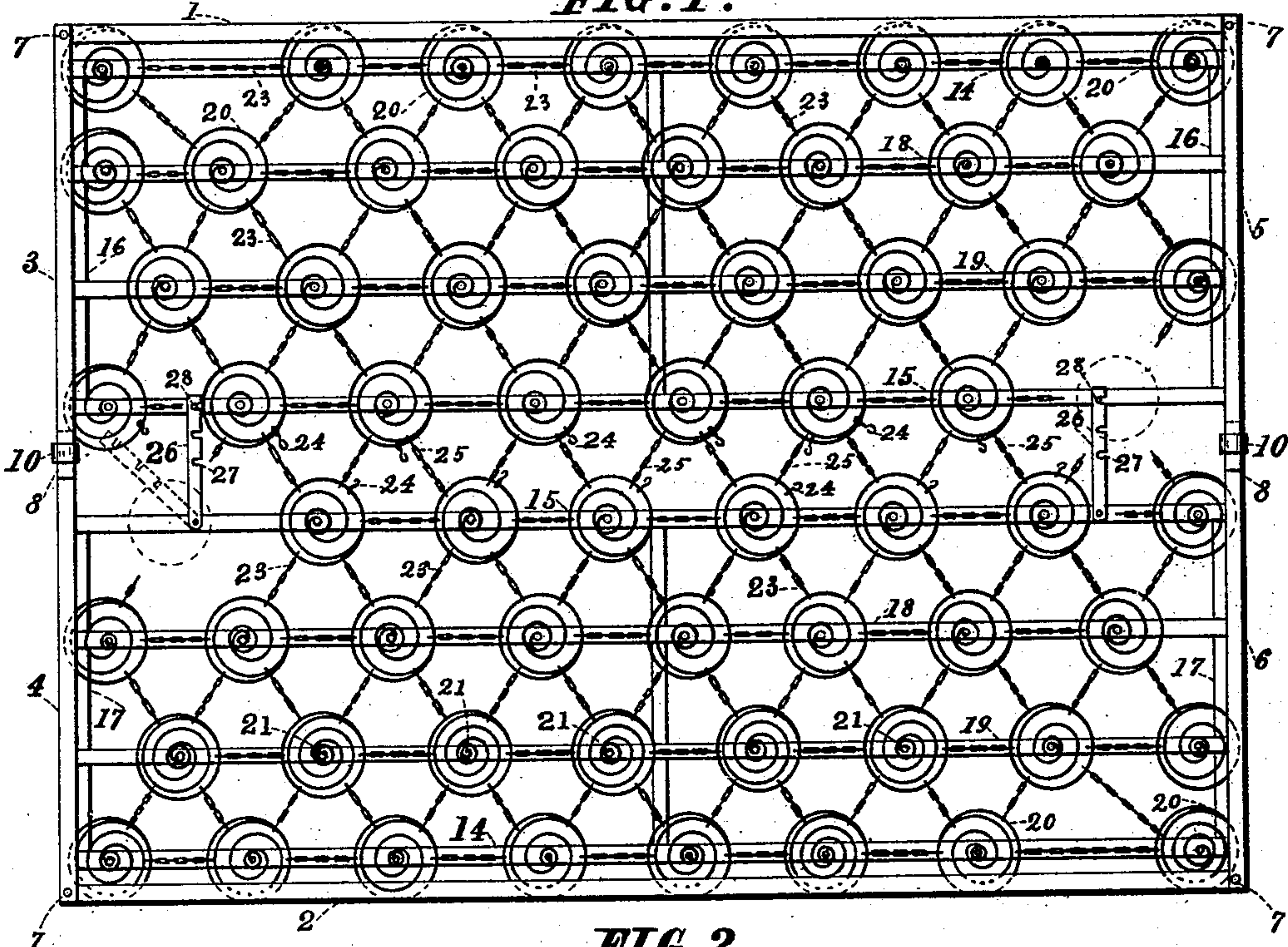


FIG. 2.

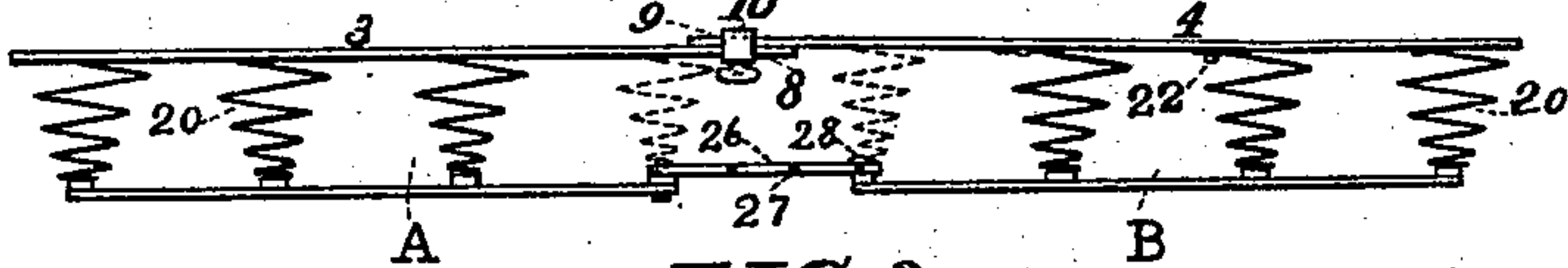


FIG. 3.

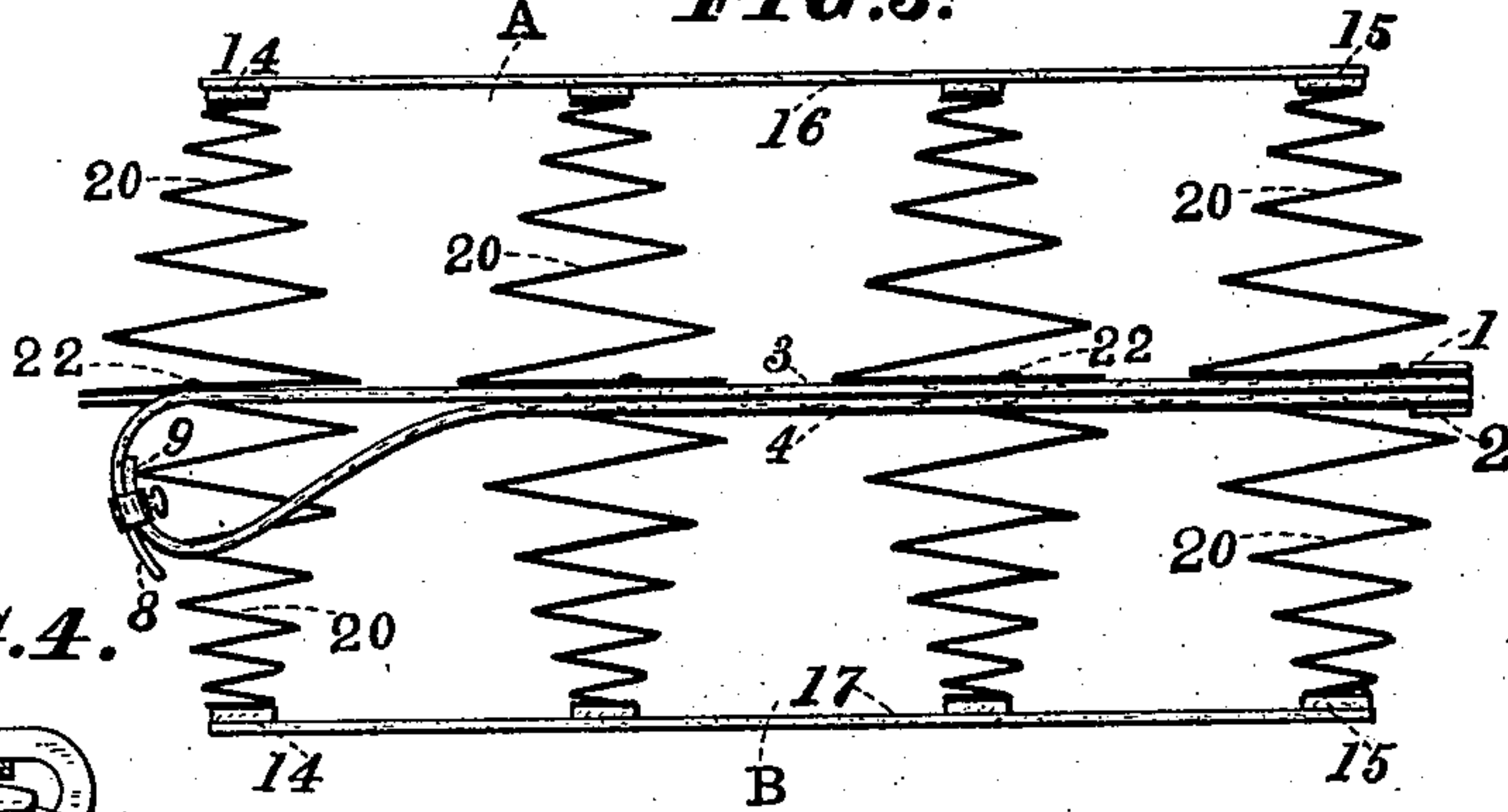


FIG. 4.

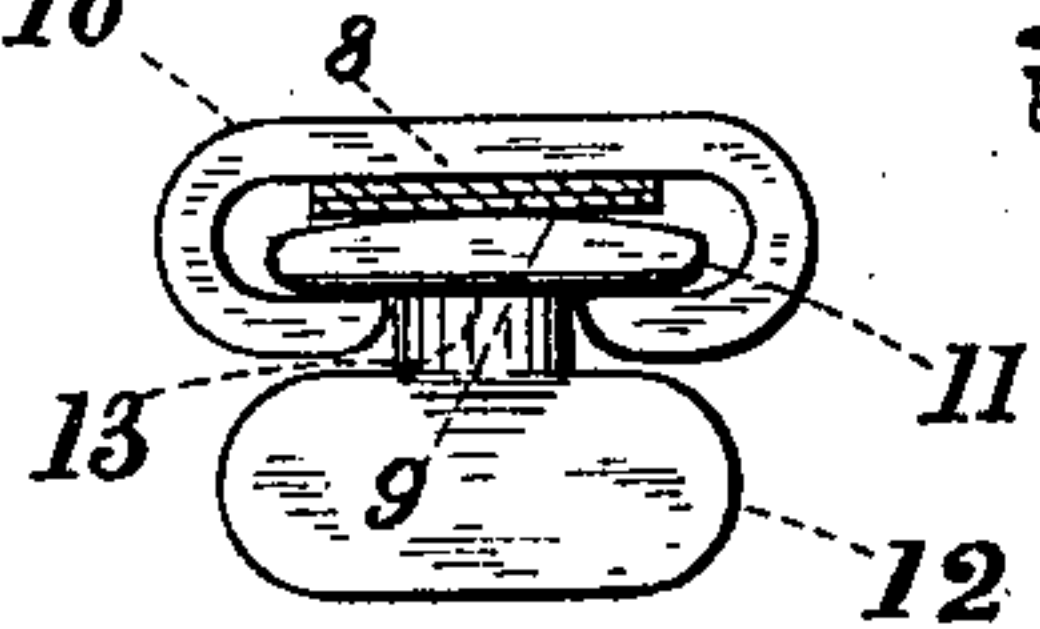
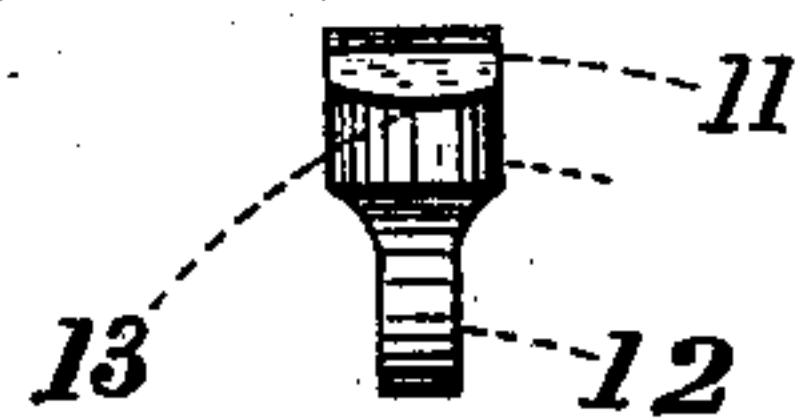


FIG. 5.



Witnesses.

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SPRING-BED.

SPECIFICATION forming part of Letters Patent No. 363,878, dated May 31, 1887.

Application filed October 25, 1886. Serial No. 217,101. (No model.)

To all whom it may concern:

Be it known that I, JAMES ALLAN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Spring-Beds, of which the following is a specification.

The object of my invention is to produce a spring-bed adapted to be folded together, so as to occupy less space when required for transportation, and having a simple means of adjustment whereby it may be easily increased or diminished in width, so as to be readily adapted for bedsteads of different sizes, all of which will be fully and clearly hereinafter shown, described, and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a plan or top view of the bed complete, two of the spiral springs being left off so as to show the adjusting device below them. Fig. 2 is an end view, some of the spiral springs being left off so as to show the upper and lower devices for adjusting the width of the bed. Fig. 3 is an end view of the bed folded together. Fig. 4 is a front view of the upper adjusting device, and Fig. 5 is an end view of a portion of the same.

The upper frame consists of the side pieces of band-iron 1 and 2 and the end pieces, 3 4 and 5 6, the whole being secured at the corners by rivets 7, in the usual way. The free ends 8 and 9 of the bars 3 4 and 5 6 are passed through a yoke, 10, and are adapted to slide back over each other, and thereby adjust the width of the bed more or less.

When adjusted to the point desired, the piece 11 is inserted edgewise or endwise, into the opening in the bottom of the yoke, and then turned around by the thumb-piece 12, as shown in Fig. 4.

The piece 11, as will be seen, is provided with a rounded or inclined bottom portion, 13, so that when it is put in place within the yoke and turned partly around the inclined portion 13 wedges against the lower inside parts of the yoke and rigidly clamps the two portions of the bars and keeps them firmly in place wherever adjusted. If desired, an ordinary thumb-screw may be used in place of the fastening device described.

The lower frame is made in two sections, A

and B, and each consists of the side frame-pieces 14 and 15, the end pieces 16 and 17, and the longitudinal bars 18 and 19, all being firmly secured together in the usual way by rivets. These upper and lower frames are secured to each other by the spiral springs 20, by rivets 21 to the bottom frames, (see Fig. 1,) and to the top frame by the usual loops, 22, riveted to the frame in any well-known way. The remaining portions of the lower frame are covered by similar springs, 20, riveted in the same way thereto, the tops of the springs being connected with each other by the usual chains, 23, and at the top of each of the springs located on the bars 15 is a small hook, 24, adapted to take up the slack in the chains 25, just above the sections A and B, when they are adjusted so as to decrease the extreme width of the bed. This can be done, as will be seen, by hooking into any of the links of the chains 25, so that any amount of slack required may be taken up.

The lower frame-sections, A B, are adjusted to or from each other by the pivoted bars 26. (See Figs. 1 and 2.) There are two of these bars 26, and each are provided with one or more notches, 27, adapted to catch over a rivet, 28.

The width of the lower part of the bed is adjusted by bringing the sections A B together so as to engage with either of the notches 27.

It will be seen from this construction that when the lower sections, A B, are released from each other on their inner sides by turning back the pivoted bars 26 the bed may be easily folded together as shown in Fig. 3, which operation brings the two lower frame-sections on the outsides, and the tops of the spiral springs together, as shown.

I am aware that prior to my invention bed-bottoms have been made to fold together, and have also been constructed so that the width could be adjusted more or less. I therefore do not claim such, broadly; but—

What I do claim is—

1. In a spring-bed, the combination of the upper sections or frames, the springs and their connecting-chains 23, a yoke, 10, and its fastening device, the chains 25 and take-up hooks 24, and the lower sections, A B, connecting with the lower ends of the springs and pro-

vided with the pivoted bars 26, having a series of notches or side openings, 27, adapted to catch over the rivets 28, substantially as and for the purposes described.

- 5 2. A spring bed-bottom consisting of the upper side frame-pieces, 1 and 2, end pieces, 3 and 4, 5 and 6, and the springs 20, secured together by chains 23, in combination with the yokes and their fastening devices 11 and
10 12, the connecting-chains 25, take-up hooks 24, and the lower sections, A B, having the

pivoted bars 26, provided with a series of notches or side openings, 27, and the rivets 28, whereby the width of both the bottom and the top of the bed may be adjusted and firmly secured in said adjustment, or the sections A and B may be separated sufficiently to allow the bed to be folded, substantially as described. 15

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Witnesses:

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