

(No Model.)

J. D. WILKINSON.

SPRING BED BOTTOM.

No. 285,331.

Fig. 1. Patented Sept. 18, 1883.

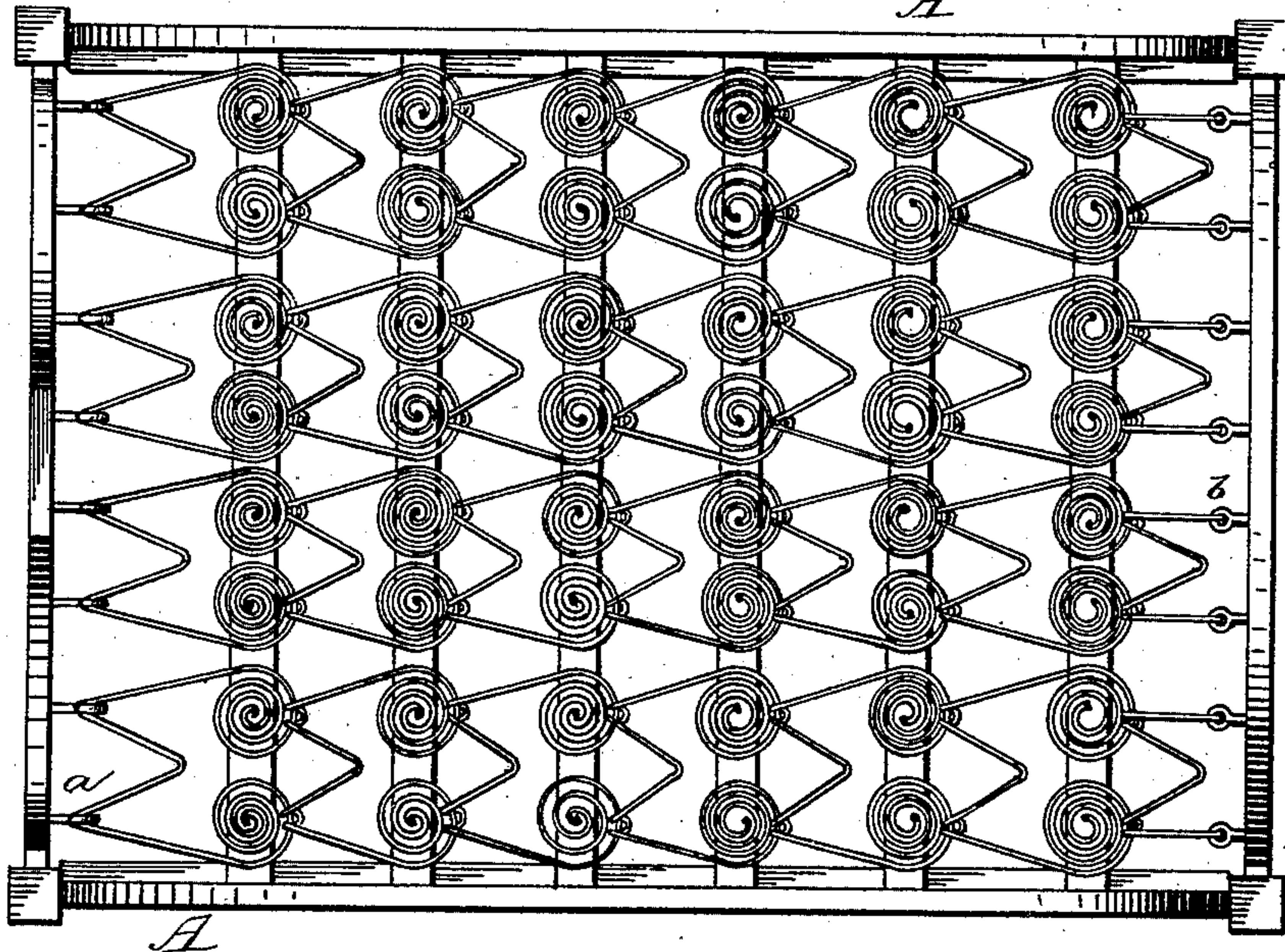


Fig. 2.

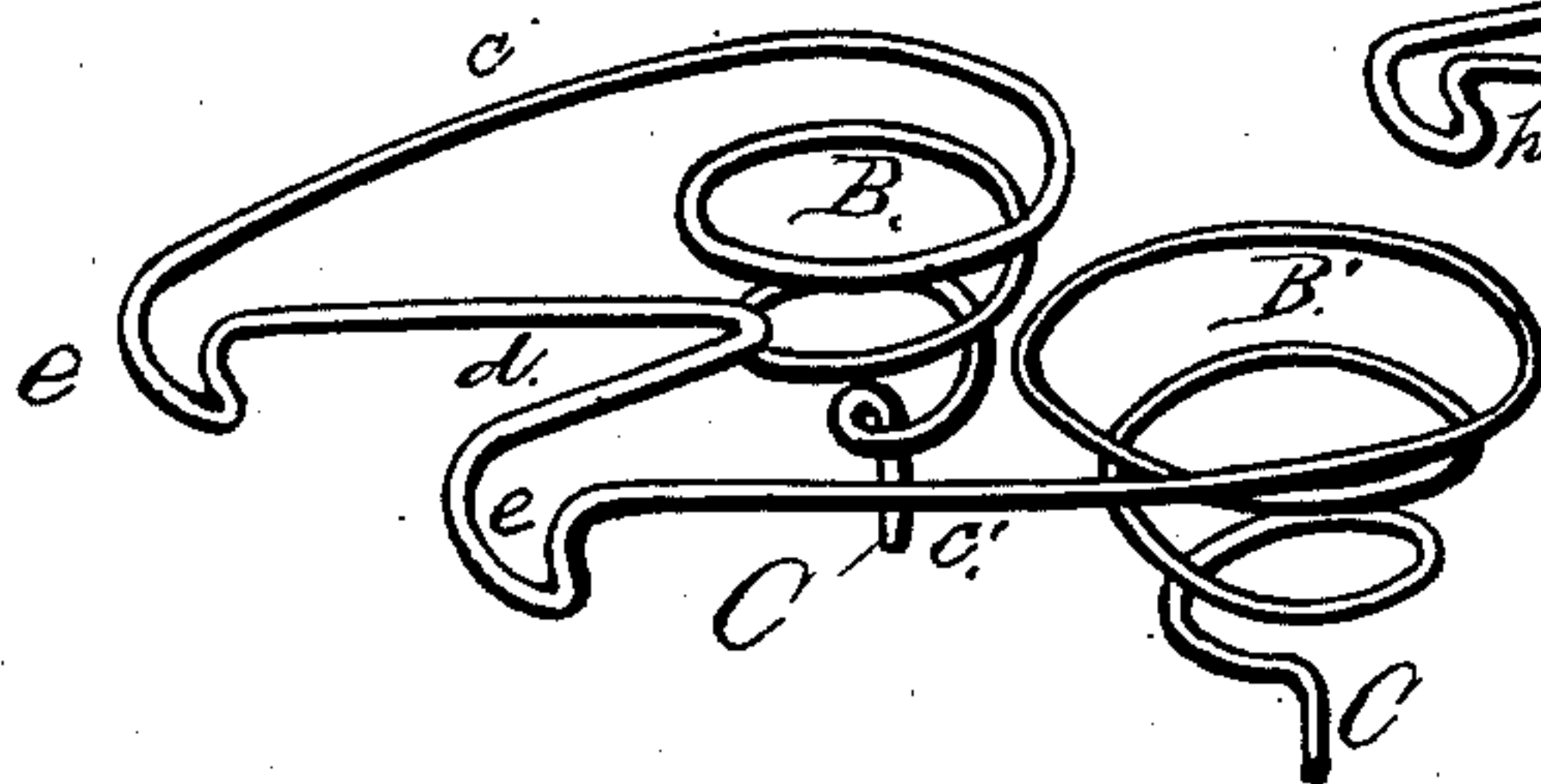


Fig. 3.

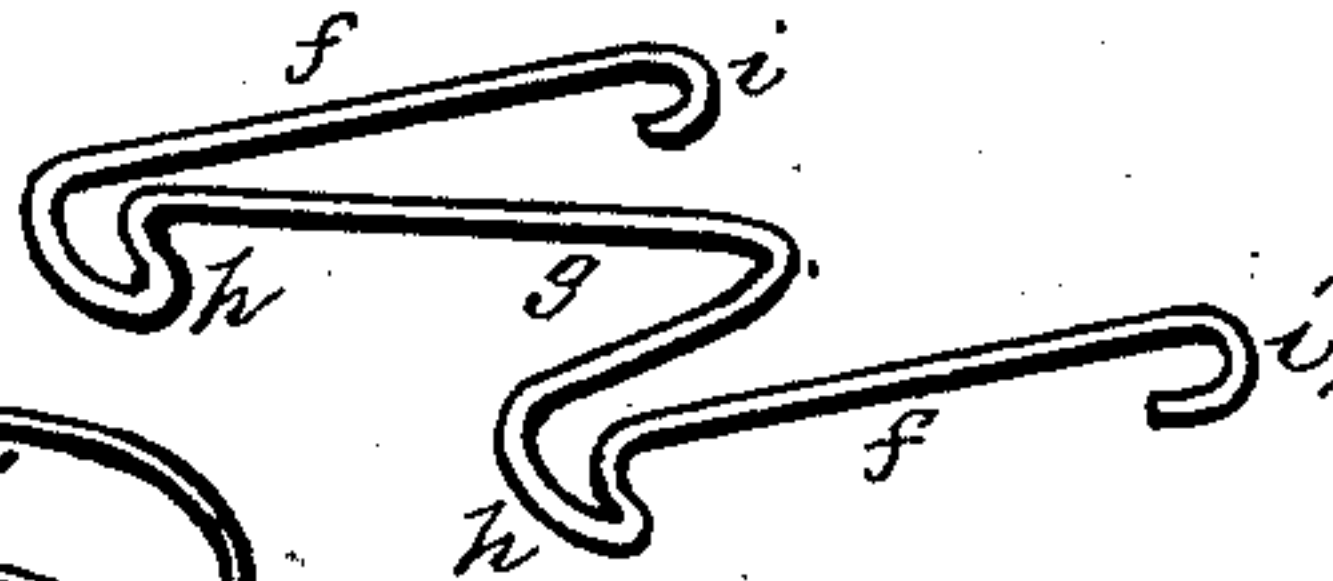
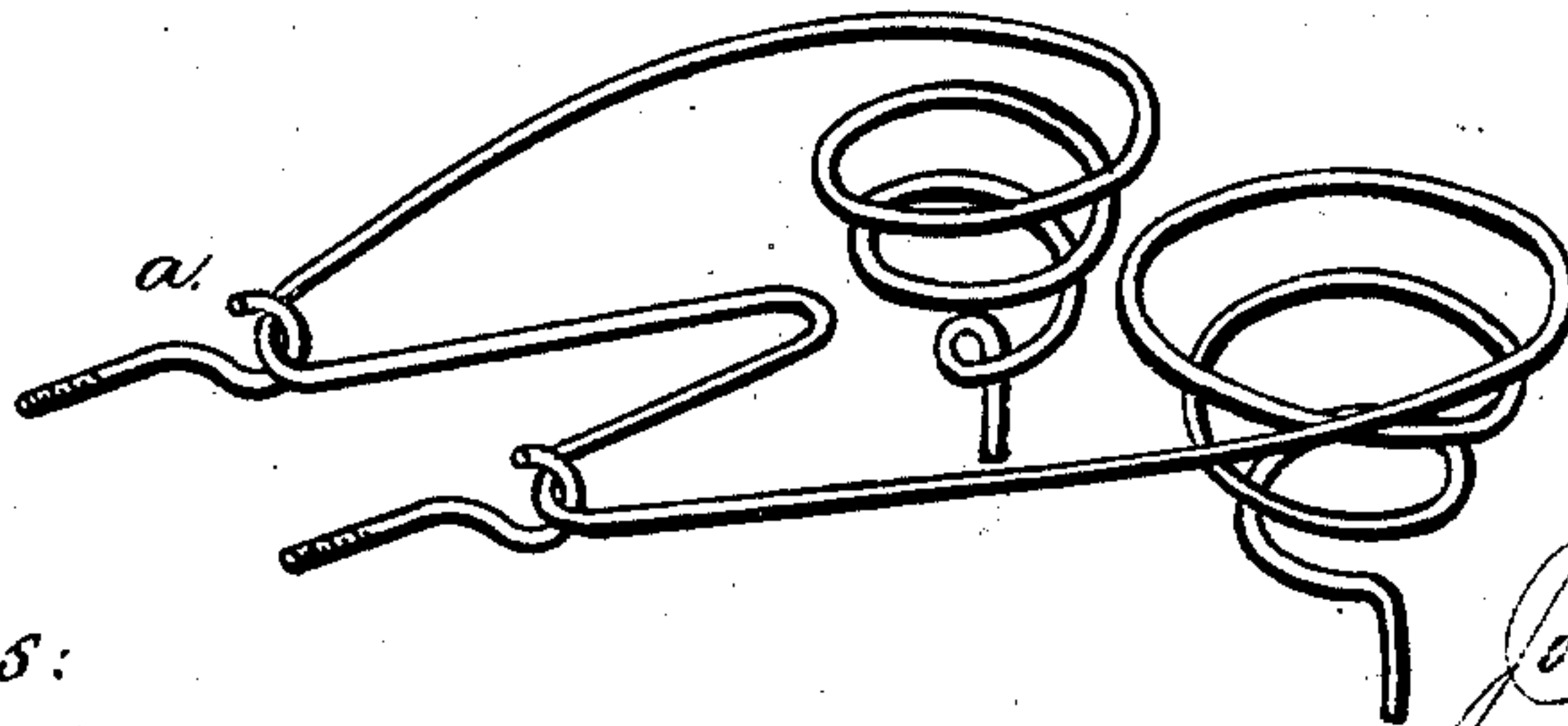


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOB D. WILKINSON, OF PLAINWELL, MICHIGAN.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 285,331, dated September 18, 1883.

Application filed October 31, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOB D. WILKINSON, a citizen of the United States of America, residing at Plainwell, in the county of Allegan and State of Michigan, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in spring bed-bottoms; and it consists in providing twin springs with a horizontal extended top and a V-shaped bridge, which unites the springs, the same being provided with hooks for uniting one set of the twin coils to the preceding coil.

My invention also consists in providing a bed-frame with hooks and eyes and a W-shaped connecting-link having hooks formed thereon, as will be hereinafter more fully set forth, and pointed out in the claims.

In the annexed drawings, Figure 1 is a plan view of the bed-frame with my improved bottom attached thereto. Fig. 2 is a perspective view of one of the springs having hooked ends. Fig. 3 is a perspective view of one of the connecting-links which connects the last of the series of the springs with the bed-frame, and Fig. 4 is a perspective view of one of the end springs.

In the annexed drawings, A represents the bed-frame, which is provided with longitudinal supporting-rails and removable transverse slats, to which the springs are secured. To the transverse foot and head boards of the bed-frame are secured hooks *a* and eyes *b*, which are attached to the frame on the same horizontal line as the tops of the springs. The springs which are secured to the transverse slats are made of a single piece of wire, and have their ends bent downward on a vertical line with the conical portion. By these ends they are secured to the transverse slats.

The springs consist, essentially, of two opposite coiled members, B B', the upper coils of which extend outwardly for a short distance

from the spring. From this point the wires *c c'* converge toward each other. They are then bent back upon the same horizontal plane toward the spring, so as to form a V-shaped connecting portion, *d*. I thus form upon a spring an upper extended supporting portion having four horizontal bearing-surfaces in addition to the voluted or upper portions of the springs. The ends of the springs B B', with the exception of the last series, are bent downwardly and rearwardly to form hooks *e e*, by means of which the springs are united to each other so as to form continuous and extended bearing-surfaces for the mattress. The outer ends of these hooks *e e* are bent so as to be of greater length than the inner side, so as to conform to the shape of the adjacent coil, which they embrace. The springs which form the last of the series at one end of the bed, to which they are secured by the hooks *a*, are of the same shape as the springs hereinbefore described; but they are not provided with hooks at their terminal portion. These springs are attached to the bed-frame A by the hooks *a a*. The last series of springs at the other end of the bed are attached to the frame A by a connecting-link, as shown in Fig. 3, which link consists of a single piece of wire, which is bent so as to have parallel side portions, *f f*, which are connected by a central V-shaped portion, which extends horizontally toward the terminal of the sides *f f*. The end portions of this link are bent downwardly, so as to form hooks *h* and *i*.

To make use of my invention, the springs are attached to the transverse slats so that the projecting portions will all be in the same line, the hooks and eyes being secured to the head and foot of the bed. The loops or links are then hooked into the eyes at the end of the bed, and the hooks *h h* into the upper coils of the twin springs. The following series of springs are hooked into each other, as shown, the last of the series, as shown in Fig. 4, being placed over the hook *a*. By this arrangement and construction I provide a spring bed-bottom in which the springs will be held in a vertical position, and in which a large area of horizontal bearing-surface is provided for the mattress, and which may be packed for transportation in a small space.

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

1. As a new article of manufacture, the twin
5 springs made from one piece of wire coiled in opposite directions and provided on the same horizontal plane as the upper coils with a voluted portion which extends outwardly from the coils and then converges in straight lines,
10 the uniting portion being bent toward the coils, substantially as shown and described.

2. The twin springs made from a single piece of wire having conical or voluted portion B B', with intermediate horizontal portions, *c*, *c'*, and *d*, and hooks *e e*, substantially
15 as described, and for the purpose set forth.

3. The connecting-link having parallel sides,

f f, and central V-shaped portion and end hooks, *h* and *i*, substantially as shown and for the purpose set forth. 20

4. In a spring bed-bottom, a series of twin springs provided with horizontal extending portions with end hooks, by which they are united to each other, in combination with the end links and hooks and eyes attached to the
25 bed-frame, substantially as described and shown.

In testimony whereof I affix my signature in presence of two witnesses.

JOB D. WILKINSON.

Witnesses:

B. R. PLATT,
A. C. ROBERTS.