No. 755,987. PATENTED MAR. 29, 1904.

S. H. ANDERSON.

SPRING BED BOTTOM.

APPLICATION FILED DEC. 3, 1902.

NO MODEL.

Fig. 1.

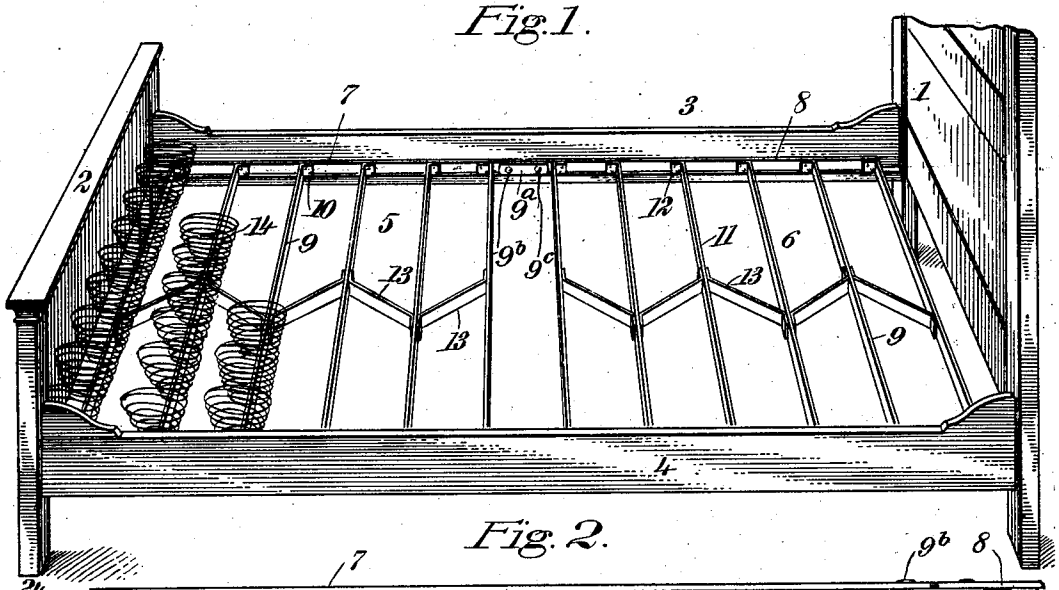


Fig. 2.

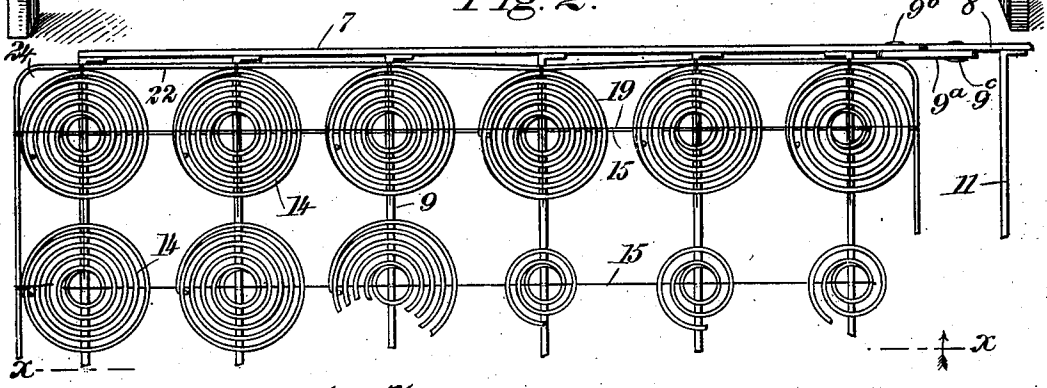


Fig. 3.

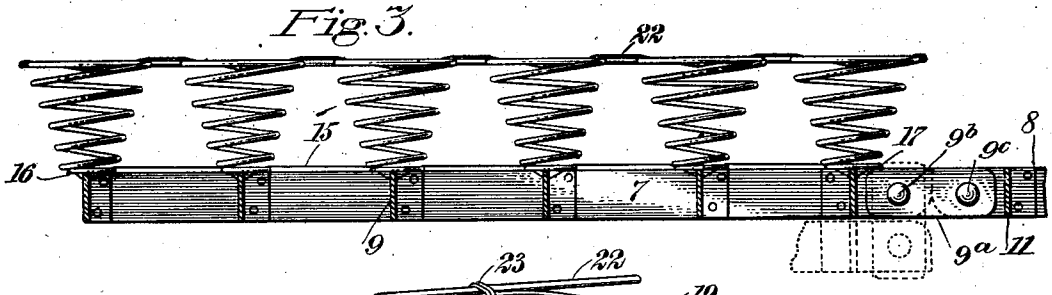
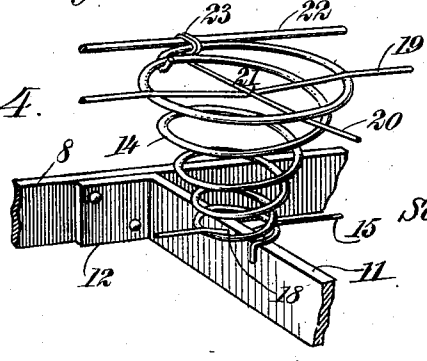


Fig. 4.



WITNESSES:

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No. 755,987. Patented March 29, 1904.

UNITED STATES PATENT OFFICE.

SAMUEL HARVEY ANDERSON, OF VANDERGRIFT, PENNSYLVANIA.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 755,987, dated March 29, 1904.

Application filed December 3, 1902. Serial No. 133,726. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL HARVEY ANDERSON, a citizen of the United States, and a resident of Vandergrift, in the county of Westmoreland and State of Pennsylvania, have invented a new and Improved Spring Bed-Bottom, of which the following is a full, clear, and exact description.

My invention relates to spring bed-bottoms, my more particular object being to produce a neat form of such a device made so as to fold and having certain advantages hereinafter specified and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a bed equipped with my invention. Fig. 2 is a fragmentary plan view of the same. Fig. 3 is a central section upon the line *x x* of Fig. 2 looking in the direction of the arrow, and Fig. 4 is a perspective view of one of the springs and its immediate connections somewhat enlarged.

The headboard is shown at 1, the footboard at 2, and the side rails at 3 4.

The bed-bottom is made in two halves 5 6 for convenience in folding. The side slats 7 are provided with cross-slats 9, having angular ends 10, and the side slats 8 are provided with cross-slats 11, having angular ends 12, disposed as shown in Fig. 1. Angle-braces 13 are provided for the purpose of connecting together adjacent consecutive pairs of slats. These braces are preferably staggered, as indicated in Fig. 1. The springs are shown at 14 and are of the so-called "conical" type. Guy-wires 15 are provided for the purpose of steadying the springs 14 and are secured by their ends 16 17 to the springs, as indicated in Fig. 3. These guy-wires pass through holes 18 in the cross-slats 9 and 11 and normally press downward upon the lower loops of the springs. The springs are arranged as shown, the apex end of each being in contact with the cross-slats 9 and 11, so as to leave the base end comparatively free. Guy-wires 19 20 are crossed at right angles, so as to form the junctions 21, and are secured at 23 to the rectangular wire-support 22, as indicated more particularly in Fig. 4. The wire-supports 22 are bent at the corners 24 to be formed into two light rectangular frames, one for the upper ends of the springs of each section of the main frame, and these two frames are entirely independent of each other, so as to permit the two sections of the main frame to fold together, as partially illustrated in dotted lines in Fig. 3.

The side slats 7 and 8 are connected by link members 9^a, pivoted to the side slats at 9^b and 9^c, as shown in Figs. 1, 2, and 3, thus connecting the two halves of the frame. When the bed-bottom is to be folded, the link member 9^a assumes the position indicated by dotted lines in Fig. 3, thus enabling the bed-bottom to be doubled upon itself, so as to leave the base ends of the springs extending outward.

It will be noted that the wires 19 20 not only engage the springs 14, but the said wires are preferably woven together into a fabric having large square meshes, the length of each mesh extending from center to center of each spring.

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

A spring bed-bottom comprising a main frame made in sections, braced transverse bars connecting the opposite sides of said sections with each other, links pivotally connecting the adjacent ends of the side sections of the main frame, conical springs mounted upon said sections and supported at their lower ends upon said tranverse bars, guy-wires engaging said springs at the upper ends thereof, said wires crossing each other at regular intervals apart and at right angles, and lighter frames, carried independently of each other, one upon each section of the main frame, said lighter frames being mounted at the upper ends of the springs, and carrying the guy-wires for

the springs of one section of the bed independently of the guy-wires for the springs of the other section, whereby the under sides of the two sections of the main frame may be folded into flat engagement with each other with the springs and lighter frames on the exposed or outer sides thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL HARVEY ANDERSON.

Witnesses:

GEORGE A. HUNGER,

W. W. ORMISTON.