

(No Model.)

C. R. DAVIS.

BED SPRING.

No. 318,092.

Patented May 19, 1885.

Fig. 1.

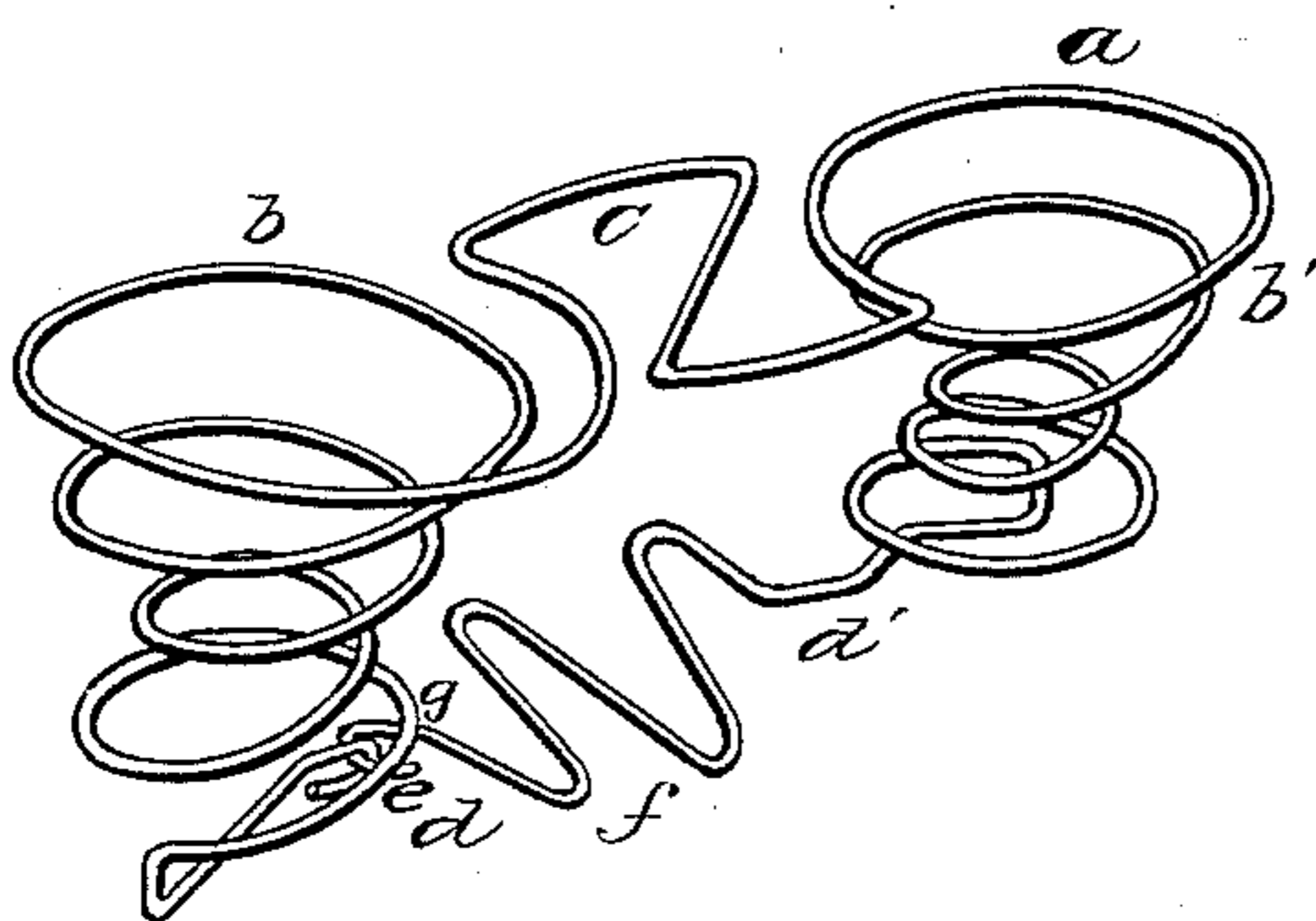


Fig. 2.

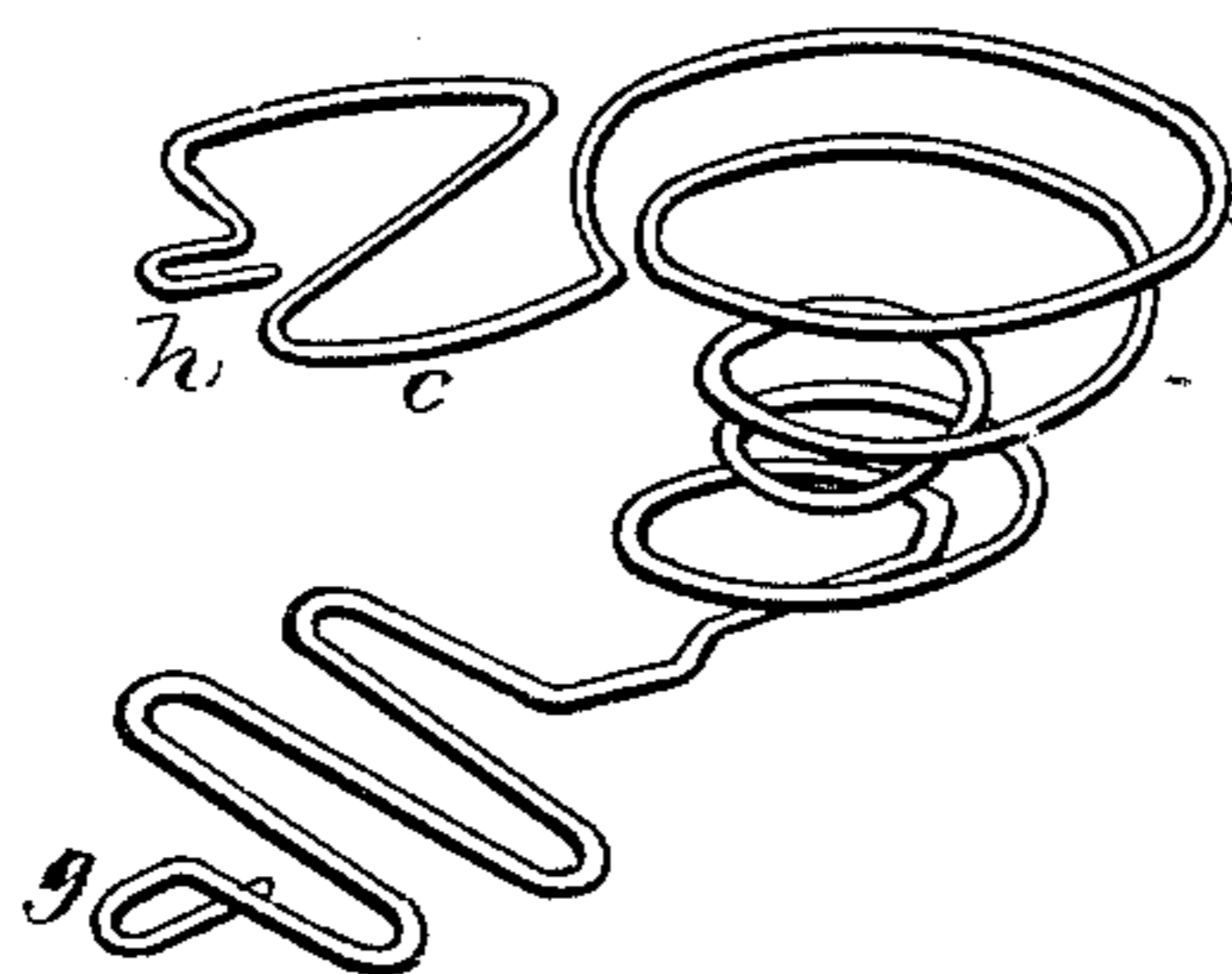
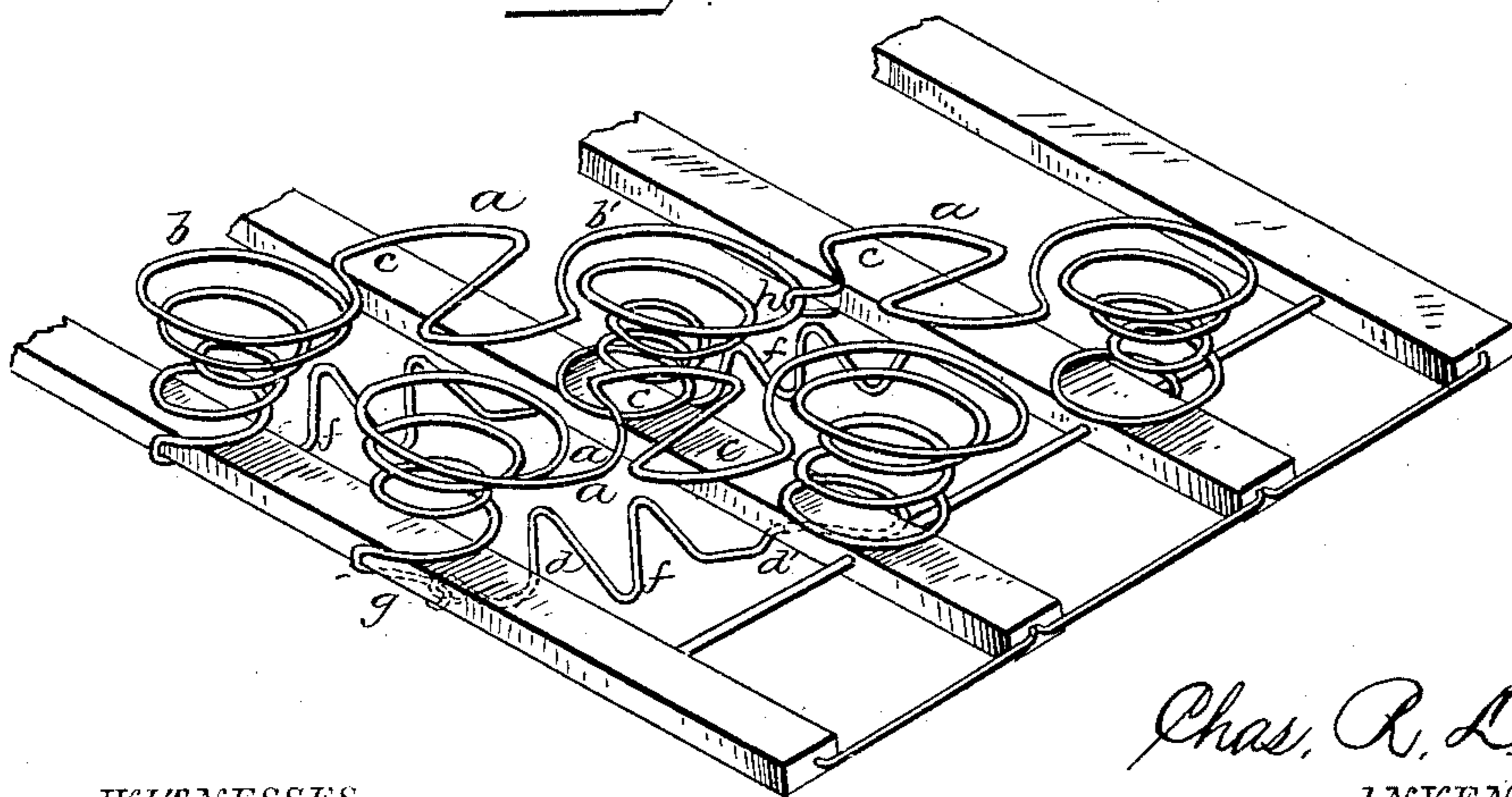


Fig. 3.



WITNESSES
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CHARLES ROBERT DAVIS, OF DALLAS, TEXAS.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 318,092, dated May 19, 1885.

Application filed March 31, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. DAVIS, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Bed-Spring, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to bed-springs of the class known as "twin springs;" and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

Figure 1 is a view in perspective of a twin spring embodying the improvements of my invention. Fig. 2 is a view of a single spring used in my invention; and Fig. 3 is a view of a portion of a bed-bottom, showing the improved springs applied running diagonally across the slats.

The objects of my invention are to fasten the springs to the bed-slats in such a manner, without the use of keys, as to prevent the springs from separating or slipping off, forming an unbroken connection of the diagonal rows of twin and single springs, and thus keeping the springs in straight and unbroken rows and in their proper positions, and to adapt them to be applied to slats of different distances of separation.

Referring by letter to the accompanying drawings, *a* designates my improved twin springs, both single and twin springs being used and made of a single piece of wire, the twin being coiled nearly in the shape of two hour-glasses, *b b'*, their upper coils being connected by a Z-shaped bend, *c*, and their lower coils being provided with angular slat-bends *d d'* to receive the slats. The end of the slat-bend *d* is provided with a hook, *e*, and the wire from the slat-bend *d'* is extended laterally and provided with serpentine bends *f*, and terminates in an open hook or eye, *g*. The single springs are like either one of the coils of the twin, except that the upper connection—the Z-shaped bend *c*—terminates in an open hook, *h*, and the slat-bend is extended later-

ally with serpentine bends, the same as in the twins.

The slats, when the springs are in place, enter the slat-bends, the springs running in diagonal rows across the slats, and each row forming an unbroken connection at the bottom and top of the coils. Either row starting with a twin spring, the hook on the serpentine extension engages the hook *e*, to hold the spring in its proper position, a single spring taking its place on the opposite slat in a diagonal line from this twin, and the hook of the serpentine extension of this single spring engages the slat-bend of the twin, the hook *h* of the upper connection—the Z-shaped bend—engages the upper part of the coil of the twin, and so on are all the rows of springs running diagonally across the bed completed. These springs may be applied to bed-slats that are different distances apart, straightening slightly or compressing the serpentine extension, and no keys are required to hold them in place.

The essential feature of the invention is the adjustable tie that connects the springs beneath the slats. This device is simple, cheap, convenient, and durable. It is adjustable to slats placed at different distances apart, and will remain in position when placed upon the slats, holding the diagonal rows of springs in a straight line, causing the springs to remain uniform all over the bed.

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

1. The springs connected together at their upper ends and provided with slat-receiving bends at their lower ends, a hook provided on the bend of one of the springs, and a tie formed with the bend of the other spring and provided with a hook to engage the hook of the adjacent spring, as and for the purpose set forth.

2. The springs connected together at their upper ends, and an adjustable tie comprising parallel bends in the form of a serpentine for connecting the lower ends of the springs, the bends of said tie being capable of adjustment

to accommodate the tie to varying distances between slats, as set forth.

5 3. The twin springs for bed-bottoms, consisting of a single piece of wire bent to form the springs and their upper connection, then bent to form the slat-receiving bends, then bent to form a serpentine tie, and provided with engaging hooks connected together beneath the bed-slats, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES ROBERT DAVIS.

Witnesses:

G. W. TUGGLE,
J. B. BROOKS.