(No Model.)

L. H. WHITNEY.

Spring Bed Bottom.

No. 229,023. **Patented June 22, 1880.**

Fig. 1.

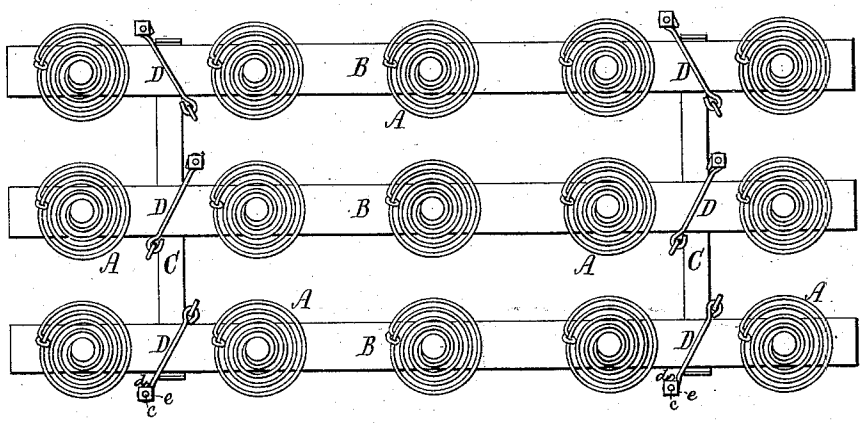


Fig. 2.

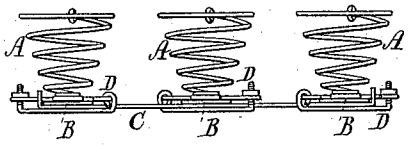


Fig. 3.

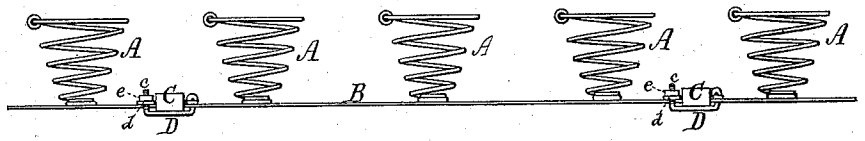
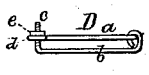


Fig. 4.



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UNITED STATES PATENT OFFICE.

LUKE H. WHITNEY, OF CAMBRIDGE, MASSACHUSETTS.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 229,023, dated June 22, 1880.

Application filed March 19, 1880. (No model.)

To all whom it may concern:

Be it known that I, LUKE H. WHITNEY, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Spring Bed-Bottoms; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 an end view, and Fig. 3 a side elevation, of a bed-bottom or section thereof provided with my invention, which consists in the combination of a series of spring-sustaining bars with a set of cross supporting-bars by clasps or devices constructed and applied so as to enable each spring-sustaining bar of the series to be moved either longitudinally or laterally, or both longitudinally and laterally, on the cross supporting-bars, and in the meantime be held in connection therewith.

The object of the invention is to enable the section or bed-bottom to be adjusted in length or width, or in both length and width, to a bedstead, as occasion may require.

To this end I employ for supporting the conico-helical springs A a series of longitudinal bars, B, each of which has fixed to it a set of springs, as shown. These bars I impose on two or more cross-bars, C, bent up at their ends, as shown, and I connect each of the longitudinal bars to the cross-bar at their crossing by means of a clasp, D, arranged obliquely on them, in manner as shown.

A side view of one of such clasps is shown in Fig. 4, wherein the clasp is represented as composed of two wires, *a b*, hinged together. The lower of them, near its free end, is bent up at a right angle, and is provided with a screw, *c*, to go through an eye, *d*, formed in the upper wire, a nut, *e*, being applied to each screw.

On loosening the nuts of the clasps of each longitudinal bar it may be moved sidewise or lengthwise on the supporting cross-bars, and thus each of the bars may be arranged nearer to or farther from the others, or be projected at one end a little beyond them, after which the nuts may be set up tightly, should such be necessary or desirable.

I claim—

The combination of the series of spring-sustaining bars with their supporting cross-bars and the clasps arranged obliquely, as described, so as to enable each of the spring-carrying bars to be adjusted longitudinally or laterally on the cross-bars, as occasion may require, and in the meantime be in connection with the said cross-bars, all being substantially as set forth.

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