E. T. GILMORE.
Spring Bed-Bottom.

No. 212,211. **Patented Feb. 11, 1879.**

Fig. 1

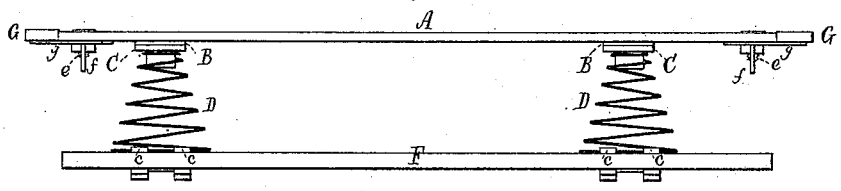


Fig. 6.

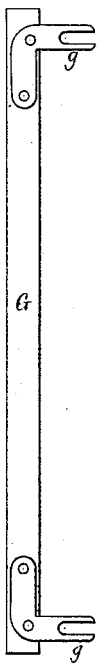


Fig. 2.

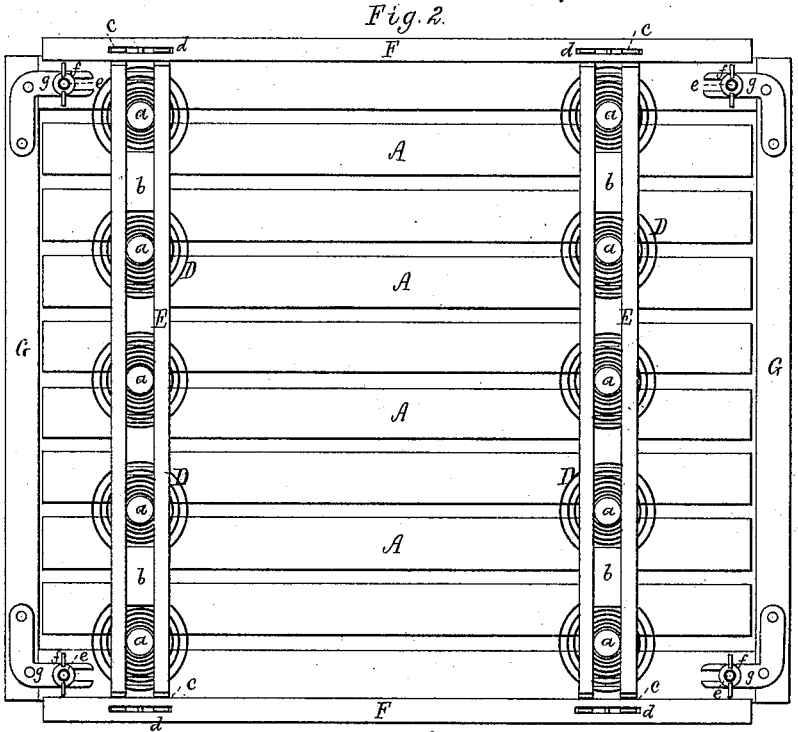


Fig. 3. *A.*

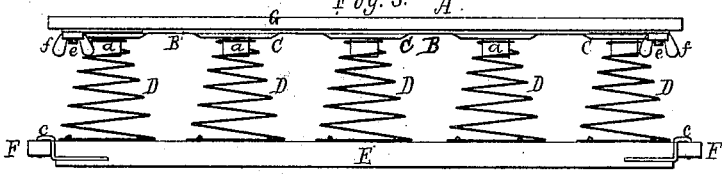


Fig. 4.

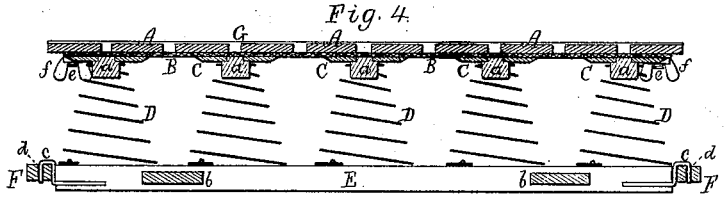
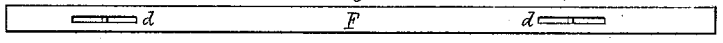


Fig. 5.



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UNITED STATES PATENT OFFICE.

EDWARD T. GILMORE, OF WESTBOROUGH, MASSACHUSETTS.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **212,211**, dated February 11, 1879; application filed October 12, 1878.

To all whom it may concern:

Be it known that I, EDWARD T. GILMORE, of Westborough, of the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Spring Bed-Bottoms; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, Fig. 2 a bottom view, Fig. 3 an end view, and Fig. 4 a transverse section, of a bed-bottom of my improved kind.

My invention consists as follows, viz: first, in the combination of a series of slats (connected by bands) with two separate brace-bars, applied to the outer ends of the two outermost slats of the series by connecting devices, as hereinafter explained; second, in the combination of slotted movable side bars with the spring-support bars and their hooks, and with the springs and series of slats, all being essentially as set forth.

In the drawings, A A, &c., represent a set of slats arranged parallel to each other, at short distances apart, and connected by two bands or strips of webbing, B B, extending along underneath and across them. Each pair of slats is connected by a bridge or thin plate of wood, C, arranged against the band B, and to extend from one slat to the other of the pair, and secured to them by nails or rivets going through them and the bridge and band. Each of these bridges has a tenon or knob, *a*, projecting down from its middle into the head of one of a set of concavo-helical springs, D, there being two or more of such sets of springs. The springs of each set have their larger bases resting on and fixed to a pair of cross-bars, E E, which, disposed as shown, are connected by cross-ties *b b*, and at their ends are provided with metallic hooks *c*, to hook into slots *d* of two removable side bars, F F, arranged as represented, one of such bars being shown in top view in Fig. 5.

The two outer slats of the series are connected at their ends to two brace-bars, G G, by means of screw-bolts *e*, nuts *f*, and slotted sheet-metal ears *g*, arranged as represented, such ears being fastened to and extended from the brace-bars.

Fig. 6 is an under-side view of one of the brace-bars and its ears.

The brace-bars serve to keep the slats apart and their webbing duly extended. The side bars connect the pairs of spring-support bars, and cause each set of springs to be sustained by the other against a force tending to tip or sway it laterally of it.

By having the bridges to the slats and springs, I can use in each set of springs much stronger and larger springs, and but half the number that would be required were there to be in the set one to each slat.

A bed-bottom constructed as described can be taken apart and folded into a very small compass, either for transportation or being stowed away, and can be readily put together, as occasion may require.

I claim, in the spring bed-bottom, as my invention, as follows:

1. The combination of the series of slats A and their connecting-bands B, as described, with two separate brace-bars, G, removably attached to the outer ends of the two outermost of the series of slats, by means or devices substantially as set forth.

2. The combination of the slotted movable side bars, F, with the spring-bearing bars E and their hooks *c*, and with the springs D and series of slats A, supported thereby, all being substantially as explained.

EDWARD T. GILMORE.

Witnesses:

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