

G. W. BROWN.
Spring Bed-Bottoms.

No. 142,895.

Patented September 16, 1873.

Fig. 1.

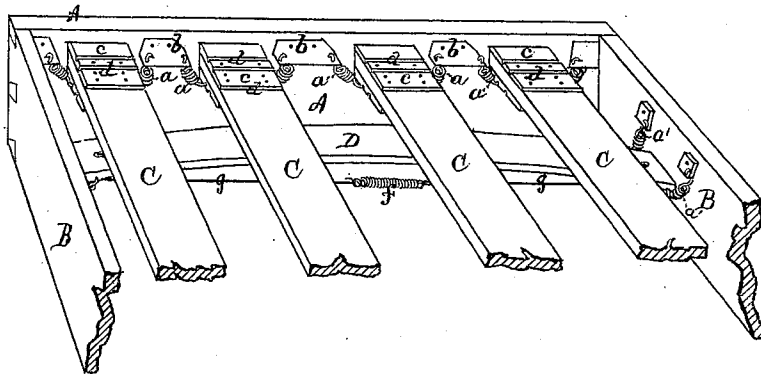


Fig. 2.

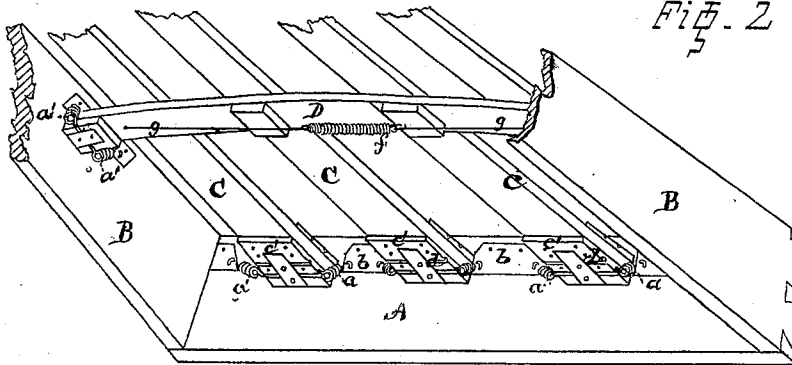
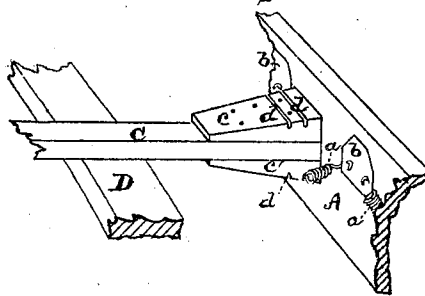


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE W. BROWN, OF BUFFALO, NEW YORK.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **142,895**, dated September 16, 1873; application filed June 27, 1873.

To all whom it may concern :

Be it known that I, GEORGE WASHINGTON BROWN, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Spring-Beds, of which the following is a specification:

This invention consists of a spring bed-bottom, composed of slats having double heads provided with grooves, said slats being supported by coiled springs located at each side of the ends of the slats, and combining therewith curved cross-pieces, which are supported by coiled springs and stay-rods, all as will be fully described hereinafter.

In the drawings, Figure 1 is a perspective plan view of part of the spring-bed; Fig. 2, reversed perspective of the same; Fig. 3, detail view.

A represents an end of the bedstead, and B B the usual side rails. *a a* are a number of coiled springs, constructed of a single piece of wire, the center part left straight for the reception of slats C C, the coiled or spring part coming each side of each slat, and the ends terminating in a hook, which catch into a metal plate or piece of leather, *b*, fastened to the inside of the rails of the bedstead. The slats C have double heads *c c'* at each end, so that they can be turned over when warped, and are provided with slots *d d'*, cut in for the reception of the straight wire of the springs *a a'*, which prevent the slats from slipping.

A piece of leather or button, *e*, is set across the slots *d d'*, so that the slats cannot spring out of place. D D represent the two cross slats or girders, which are set in springs *a' a'*, similar to the others, and which are attached to the inside of the side rails B B in the same manner as the end springs *a*. These slats are artificially curved upward to give them additional elasticity, and to keep them always arched, and to get a greater spring from them. I arrange supporting-springs *f* underneath, held by stay-rods *g g*, so that any downward pressure caused by the slats C C will be, in a measure, overcome.

The whole makes a very simple and durable spring-bottom that can be attached to any bedstead, and at a slight expense.

I claim—

The combination of the slats having grooved double heads with the spiral springs *a a* located at each side of the end of the slats, and the curved cross-pieces D D, springs *f f*, and stay-rods *g g*, all constructed and arranged substantially as herein described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

G. W. BROWN.

Witnesses:

J. R. DRAKE,
J. M. SPIES.