

C. S. STEVENS,

Bed Bottom.

No. 103521.

Patented May 24, 1870.

Fig: 1.

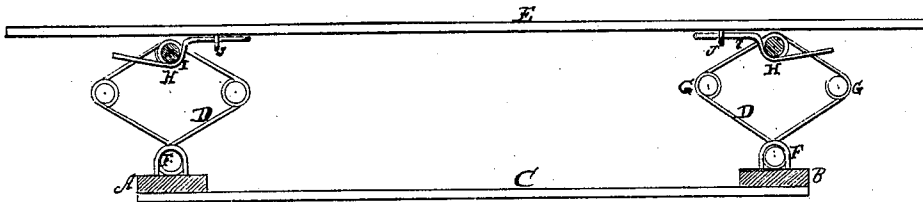
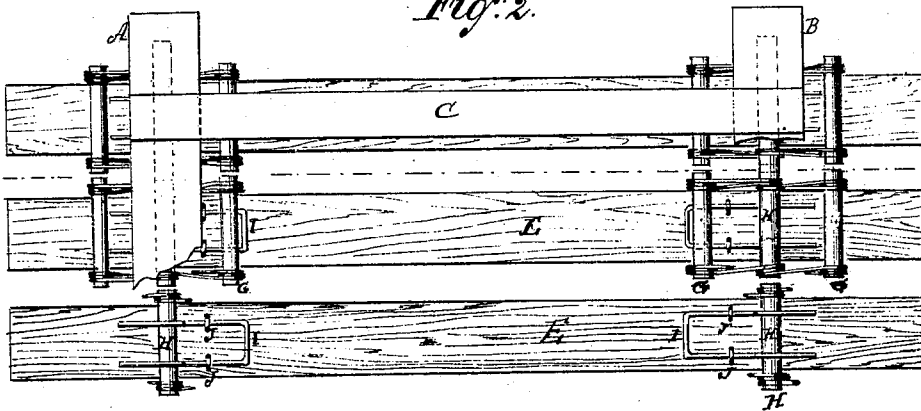


Fig: 2.



Witnesses:

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United States Patent Office.

CYRUS S. STEVENS, OF PORTLAND, MAINE, ASSIGNOR TO HIMSELF AND DANIEL F. KNIGHT, OF SAME PLACE.

Letters Patent No. 103,521, dated May 24, 1870.

IMPROVED SPRING-BED BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CYRUS S. STEVENS, of Portland, in the county of Cumberland and State of Maine, have invented a new and useful Improvement in Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The object of this invention is to provide a cheap, durable, and highly elastic bottom for beds, and

It consists in the construction of the springs employed, and manner of attaching the slats or connecting them with the springs, and in the construction of parts, as will be hereinafter more fully described.

In the accompanying drawing—

Figure 1 represents a side view, showing the springs and the mode of attaching them to the slats.

Figure 2 is a sectional view of the reverse side of the bottom.

Similar letters of reference indicate corresponding parts.

This bed-bottom is attached to and supported on two transverse base pieces A and B, which rest upon the side-rails of the bedstead.

These base pieces are connected together by two or more base slats C, as seen in fig. 1.

D represents the springs, four of which are used for each upper slat, the latter being marked E.

F F are rods which rest on the transverse base-pieces A B, to which they are confined by the springs.

The wire which forms the spring is coiled around

the rod, and its ends are passed through the base-pieces and clinched or otherwise fastened to them.

G represents two short rods near each end of the slats E, around which the spring-wire is coiled, and by which wire they are supported, as seen in fig. 1.

H represents a short rod near each end of the slats, around which the spring-wire is also coiled.

The manner in which the spring is formed, and its shape, are plainly shown in fig. 1.

It will be seen that, by this formation, the ordinary coil-spring is produced four-fold, and its strength and elasticity increased in proportion.

The rods H are supported on hooks I, which are attached to the slats E by the staples J.

By this arrangement it will be seen the springs are not rigidly connected with the slats E, but are left free to adjust themselves according to the pressure on their respective slats.

The springs D may be used without the rods G, if desired, but I prefer the mode described.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The improved device for forming an elastic bed-bottom, consisting of frame A B C, springs D, rolls F G H, and hooks I, all constructed and relatively arranged as described.

CYRUS S. STEVENS.

Witnesses:

L. B. DENNETT;
GEORGE H. GILL.