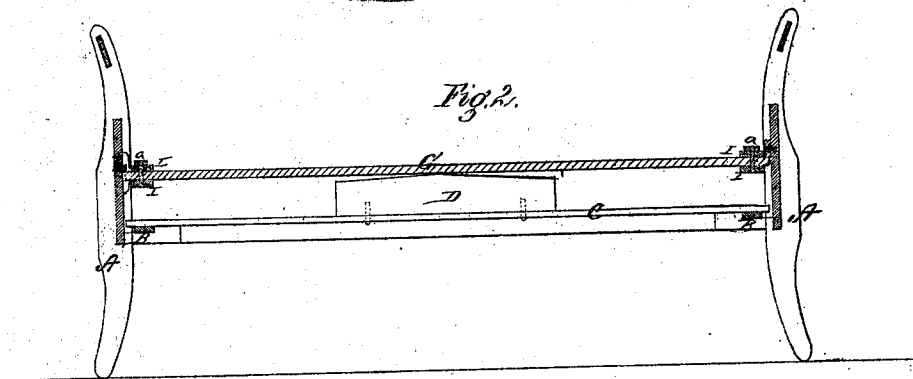
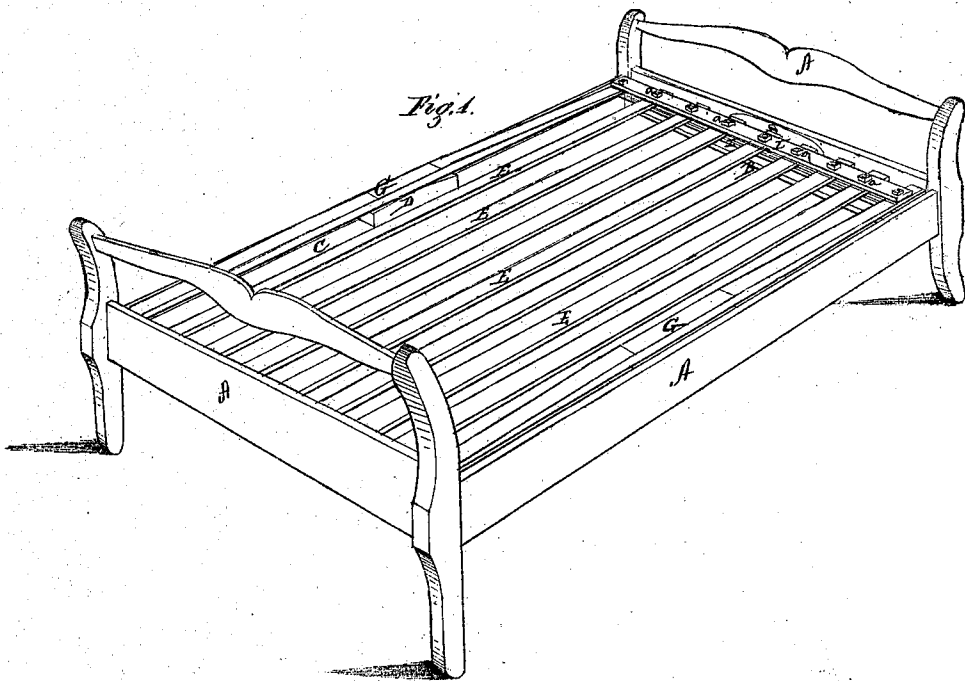


J. Stengel,

Headstead.

No. 97,720.

Patented Dec. 7, 1869.



Witnesses

John A. Ellis

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Per

J. H. Alexander

Att'y

United States Patent Office.

JUST STENGEL, OF CROTON, MICHIGAN.

Letters Patent No. 97,720, dated December 7, 1869.

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, JOST STENGEL, of Croton, in the county of Newaygo, and State of Michigan, have invented certain new and useful Improvements in Spring-Bed Bottoms; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction of a spring-bottom for bedsteads, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a perspective view, and

Figure 2 is a longitudinal vertical section of a bedstead, with my improvement attached.

A represents a bedstead, of any construction desired, near the head and foot of which is placed a cross-slat, B, such as is commonly used in cottage-bedsteads.

On the slats B B, along each side of the bedstead, is placed a spring, C, which is, on top, in the centre, provided with a piece of wood, D, rounded off on top. The piece D is kept stationary on the spring C by means of two wooden pins, going into the spring, and in case the springs C C should stay bent, they can be turned over, and the pieces D D placed on top again.

The springs C C and pieces D D may be made of scantling, or any other wood, where much spring is not wanted, by tapering them down from the middle toward each end, so that the bed-bottom springs can bend on them.

The bed-bottom proper is constructed in the following manner:

A series of bed-slats, E E, running lengthwise of the bed, is secured, at each end, between cross-slats I I, by means of bolts a a.

On each side, running parallel with the slats E E, is placed a spring, G, tapered on each end, so as to go in between the cross-slats I I, and loose enough to let the bed-slats bend down in the middle, and the springs themselves bend down at the ends, and up in the middle.

When the bottom, thus constructed, is placed in the bedstead, the springs G G rest upon the pieces D D.

At each end of the bedstead are suitable blocks to keep the bottom from tipping, one of said blocks being provided with a key, so that the bottom can be taken out and turned over, when so desired.

If the springs C C or G G should get bent down, in time, the bottom and the springs can easily be turned over, so that the springs may be as good as new.

Having thus fully described my invention,

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

1. The reversible springs C C, provided with movable pieces D D, as and for the purposes herein set forth.

2. The bed-bottom, herein described, composed of the bed-slats E E, cross-slats I I, and springs G G, all as specified.

3. The arrangement, within a bedstead, of the springs C C, pieces D D, bed-slats E E, cross-slats I I, and springs G G, all constructed as described, and operating as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

JOST STENGEL.

Witnesses:

PHILIP A. HARRISON,
GEORG SENTZ.