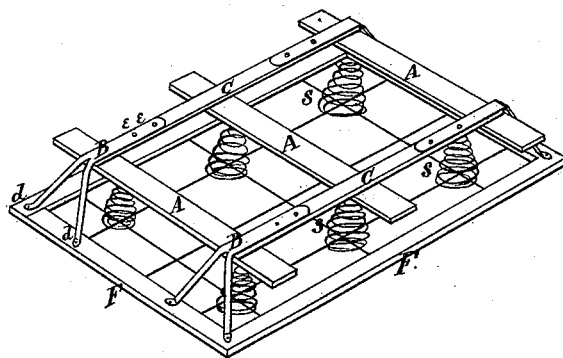


E. B. Hill,

Bed Bottom.

No. 111,646.

Patented Feb. 7. 1871.



Witnesses:

Mark M. Powers.

Edward Daggart.

Inventor:

Egbert B. Hill.

United States Patent Office.

EGBERT B. HILL, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 111,646, dated February 7, 1871.

IMPROVEMENT IN SPRING BED-BOTTOMS.

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, EGBERT B. HILL, of the city of Grand Rapids, county of Kent 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 sufficient description of my invention, reference being had to the accompanying drawing, and the same is made a part of this specification.

In the drawing—

The figure is a perspective view of an inverted spring bed-bottom constructed in accordance with my invention.

F F represent the upper frame-work of the bed-bottom, constructed in the ordinary manner.

S S S represent the ordinary coiled or spiral spring.

C C are slats or strips of wood running lengthwise of the bed-bottom, and to which are attached the cross-slats A A A, as shown in the figure.

The frame-work F F is covered with canvas, cloth, or other suitable material, resting upon a net-work of cords, in the same manner as the ordinary spiral-spring bottom.

The part F F is held in its place by means of four metallic brace-springs. Two of these brace-springs are shown in the drawing by letters B and B'.

The spring may be constructed of iron, steel, or any suitable material.

It is attached to the part C at some distance from the end of the same by means of two screws or in any suitable manner. It is bent so as to pass over the end of the part C and upward, fastening in two places to the frame F F, the upper ends of the spring braces being forked, as shown by B B, in order to hold the part F F more securely in its proper position. The forked spring brace, being attached only at *d d* and *e e*, acts both as a brace and a spring, the amount of the spring depending upon the elasticity of the parts B B, &c.

I am aware that the spiral-spring bed-bottom is not new, with the exception of the spring braces, and make no claim to the same; but

What I do claim to have invented, and desire to secure by Letters Patent, is—

The forked metallic spring brace B B, in combination with the upper frame F F and parts C C, or their equivalent, when constructed and arranged substantially as and for the purposes herein set forth.

In witness that I claim the above I have hereunto subscribed my name this 29th day of November, A. D. 1870.

EGBERT B. HILL.

Witnesses:

MARK M. POWERS,
EDWARD TAGGART.