

E. B. HILL & E. VAN VALKENBURG.

Spring Bed-Bottoms.

No. 142,391.

Patented September 2, 1873.

Fig. 1.

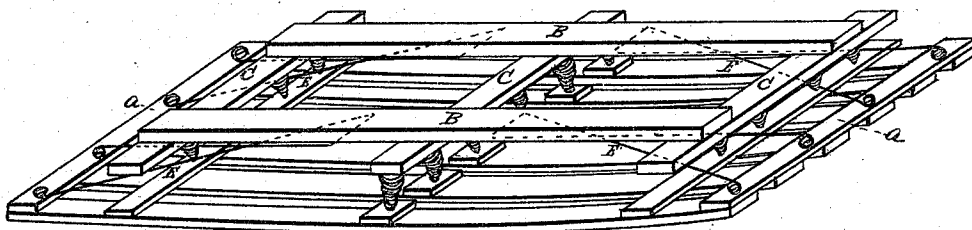
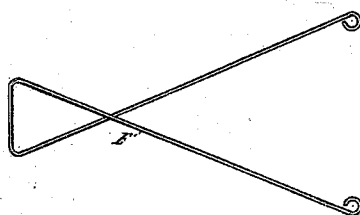


Fig. 2.



Witnesses

*Charles A. Remond
Edmund Tappan*

Inventor

*Egbert B. Hill
Edgar Van Valkenburg*

UNITED STATES PATENT OFFICE

EGBERT B. HILL AND EDGAR VAN VALKENBURG, OF GRAND RAPIDS,
MICHIGAN.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 142,391, dated September 2, 1873; application filed
March 7, 1873.

To all whom it may concern:

Be it known that we, EGBERT B. HILL and EDGAR VAN VALKENBURG, both of the city of Grand Rapids, county of Kent and State of Michigan, have invented, jointly, certain new and useful Improvements in Spring Bed-Bottoms; and we do hereby declare that the following is a full, clear, and sufficient description of our invention, reference being had to the accompanying drawings, and the same are made a part of this specification.

Our invention relates to a wire brace attached to the frame-work of an ordinary spring bed-bottom, so as to brace and hold firmly in place the upper frame, and at the same time allow free play to the spring.

Figure 1 is a perspective view of the spring bed-bottom to which our invention is applied, the bed-bottom being in an inverted position, more clearly to show the attachment of the brace. Fig. 2 is a view of a detached brace.

In the drawings, A A represent the end pieces of the upper frame-work of the bed-bottom. B B are the side pieces of the bottom frame. They are securely fastened to the cross-pieces C C C at some distance from the ends of the pieces C C C, as shown in the drawings. The braces E E E E are placed at each corner of the bed-bottom, and are each constructed of a single wire, and attached in the following manner: The wire brace is passed through the part B, and then crossed, and the

ends attached to the end piece A at some distance apart by means of screws, nails, or in any suitable manner.

The result of such an attachment at each corner of the bed-bottom is to hold the upper frame of the bed-bottom firmly and securely in its place, and at the same time in no way to interfere with the springs of the bed-bottom.

Instead of using the single wire, bent as above described, the same result may be produced by using two wires crossed in the form of the brace above described, and the ends attached to the end piece A A and side piece B; but the method of constructing the brace above described we deem the cheapest and best.

We are aware that the spring bed-bottom, as shown in the drawings, is not new, except the wire cross-brace, and we make no claim to the same.

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

The cross-wire brace E, in combination with the end piece A and side bottom piece B, when constructed and arranged substantially as and for the purposes herein set forth.

EGBERT B. HILL.

EDGAR VAN VALKENBURG.

Witnesses:

CHARLES A. RENWICK,
EDWARD TAGGART.