

J. Manuel,

Bed Bottom.

No. 97,300.

Patented Nov. 30. 1869.

Fig: 1.

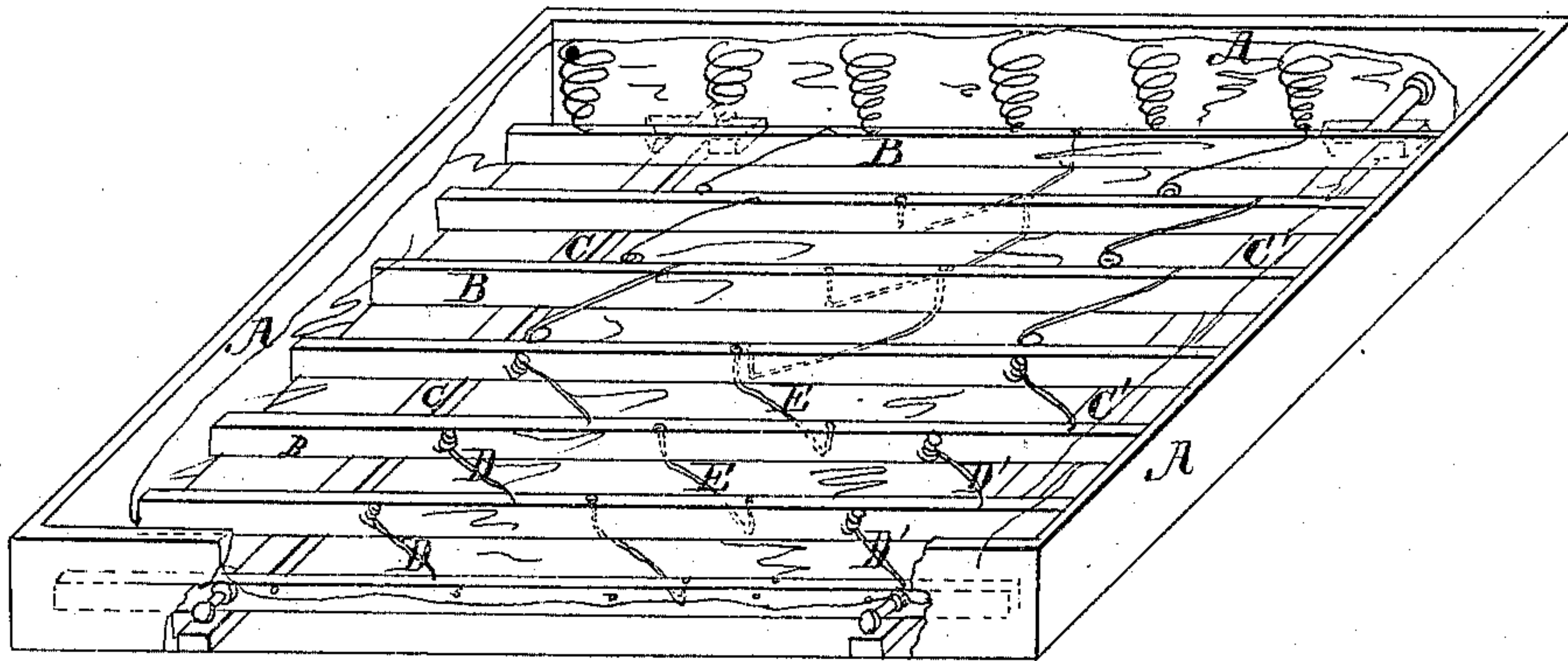
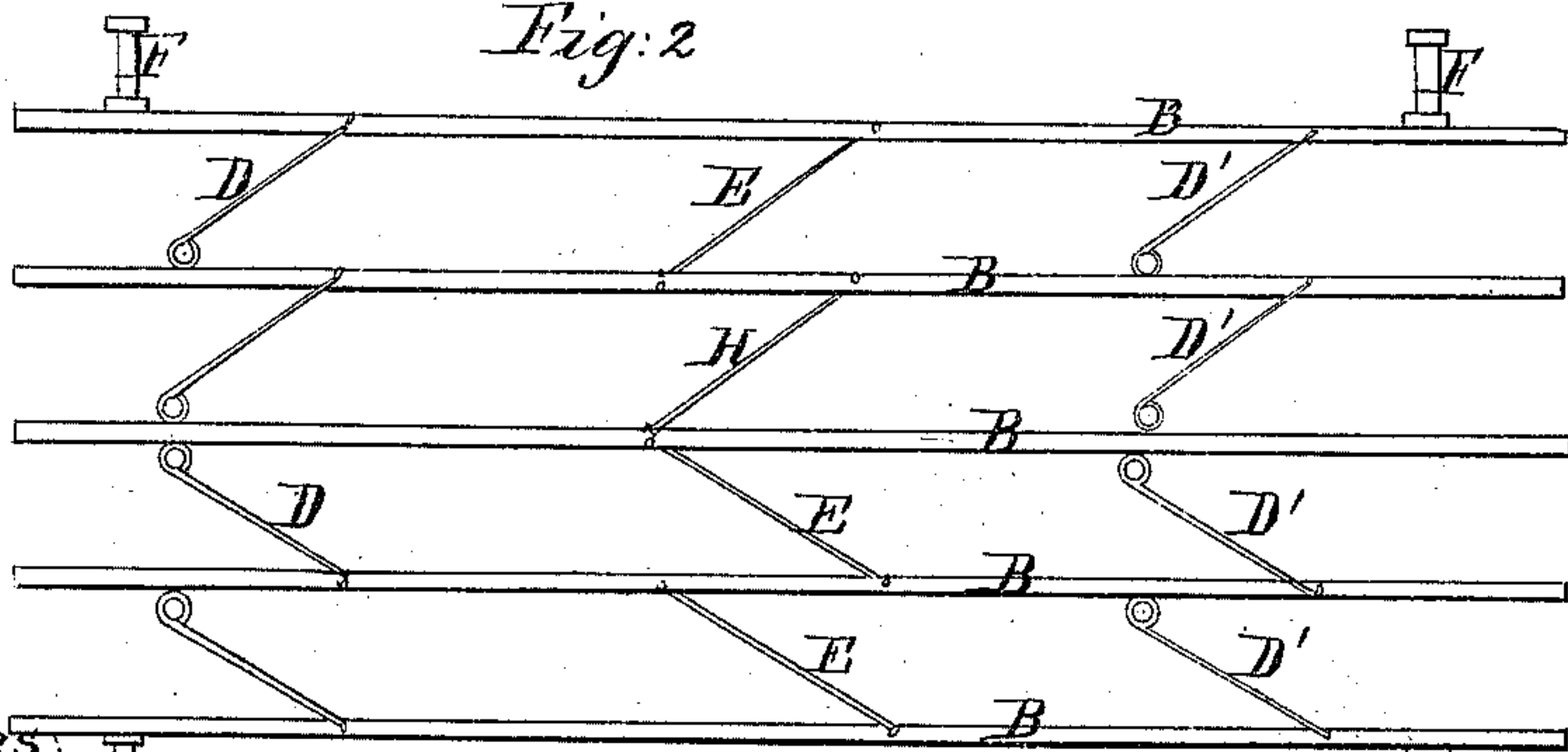


Fig: 2



Witnesses,
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DAVID MANUEL, OF DEDHAM, MASSACHUSETTS.

Letters Patent No. 97,306, dated November 30, 1869.

IMPROVED FOUNDATION FOR SPRING-BED BOTTOMS.

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

To whom it may concern:

Be it known that I, DAVID MANUEL, of Dedham, in the county of Norfolk, and State of Massachusetts, have invented an Improved Expanding Foundation for Spring-Bed Bottoms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the foundation and spring-bed bottom, embodying my invention.

Figure 2 is a detailed plan view of the expanding rails.

The object of my invention is to produce a spring-bed bottom, in which the pressure is not confined to a few rails and springs, but is distributed to all the springs and rails at the same time, thus making a more elastic, as well as durable bed-bottom, compared with those heretofore in use; and

My invention consists in setting the rails, to which the spiral springs are attached, on edge of two supporting-rails, and connecting them by two or more series of springs and spring-braces, in such a manner that any lateral pressure against one of the rails will be communicated to the others, and the rails will so adjust themselves as to distribute the pressure over a greater bearing-surface.

Referring to the drawings—

A A A A is the frame placed in the bedstead, and is provided with two transverse rails, C C'.

On these rails C C' are placed the rails B B, &c., forming the expanding bottom, and they are connected, on their upper faces, by series of springs D D D and D' D' D', and their under faces by the elastic braces E E E.

The springs and braces are set in an oblique position to the rails, for the purpose of securing greater elasticity.

The outer rails are provided with studs F F F' F', which prevent those rails from closing upon the frame A A.

On top of the rails B B B are secured the spiral springs, over which the canvas is spread out, and fastened to the two outside rails.

Having fully described my invention,

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

The combination of rails B B B with the springs D D D' D', braces E E E E, and the spiral springs and bed-frame A A, in the manner and for the purpose as described.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

DAVID MANUEL.

Witnesses:

CARROLL D. WRIGHT,
AUSTIN S. HOWARTH.