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PORTER HILL.

Improvement in Spring Bed Bottoms.

No. 118,856.

Patented Sep. 12, 1871.

Fig. 1.

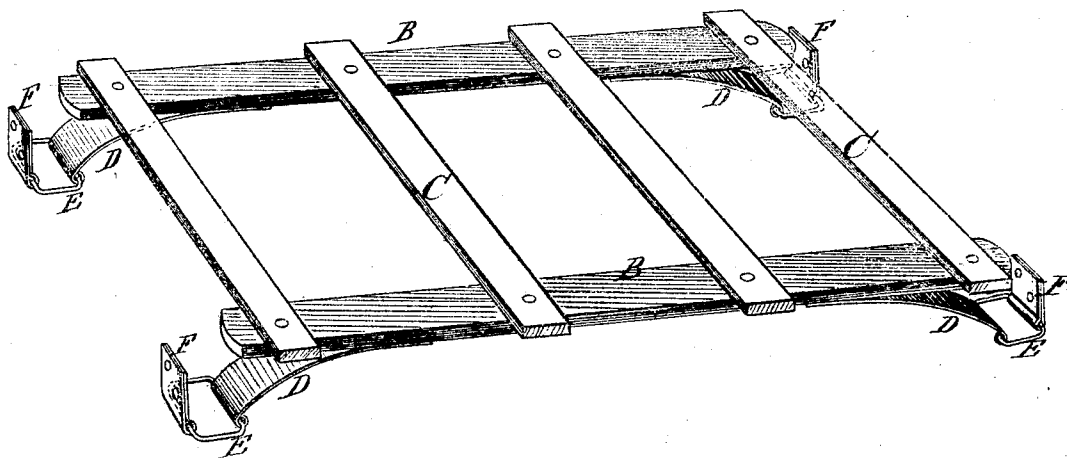
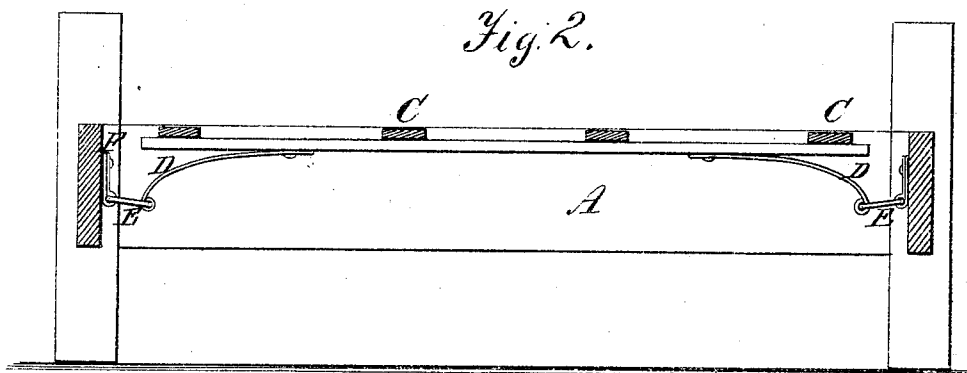


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

PORTER HILL, OF MILLPORT, NEW YORK.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 118,856, dated September 12, 1871.

To all whom it may concern:

Be it known that I, PORTER HILL, of Millport, in the county of Chemung and State of New York, have invented a new and useful Improvement in Spring-Bottom Bedsteads; and I do hereby declare the following to be a full, clear, and exact description of the same, having reference to the accompanying drawing making part of this specification, corresponding letters having reference to corresponding parts, and in which—

Figure I is a perspective view of my improved bed-bottom, showing the longitudinal and transverse slats upon which the bed rests, the metal springs, the stirrups to which the springs are attached, and the eyes or clamps for securing them to the frame. Fig. II is a central section, showing the spring-bottom applied to the frame.

This invention relates to bedsteads; and it consists in a combination of devices for connecting the frame or slats upon which the bed rests to the frame or rails of the bedstead, as will be more fully explained hereinafter. In constructing bedsteads having my improvement attached thereto I use any form of frame, A, but prefer those having deep side and end rails, as such afford the means for holding the bed-clothes in position, and also for preventing the occupants from rolling out of or off from the bed while occupying the same. To form a frame for the bed to rest upon, two or more longitudinal slats or bars, B B, are employed, as shown in Fig. I. Across these bars a series of bars or slots, C C, is placed, which is firmly attached to the bars or slats B B. Upon the under side of the slats or bars B B, and near their outer ends, metal springs D D are bolted or otherwise secured, said

springs having the curved form shown in the drawing, their outer ends being curved or bent to receive the bar of the stirrup E E, which connect the springs with the eyes or clamps F F, which are firmly secured to the end rails of the frame. It will be seen that, as a consequence of the form of the springs D D, and of their arrangement with reference to the slats or bars B B, and when the bed is placed upon the frame and the person or persons are resting thereon, the bed and the slats will be forced downward, and that, in the event of there being too much weight, the outer ends of the bars B B will come in contact with the springs near the stirrups, and thus form a stop which will prevent the bed from being so far depressed as to become objectionable, and that when the weight is removed the springs will bring the bed up to its most elevated position, and thus give it a much better appearance than it would otherwise have.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the metal springs D D, the slats or bars B B, and stirrups E E, they being so arranged with reference to each other as to form a stop for the bed-bottom, substantially as and for the purpose set forth.

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

PORTER HILL.

Witnesses:

N. P. BASSETT,
THOMAS N. HILE.