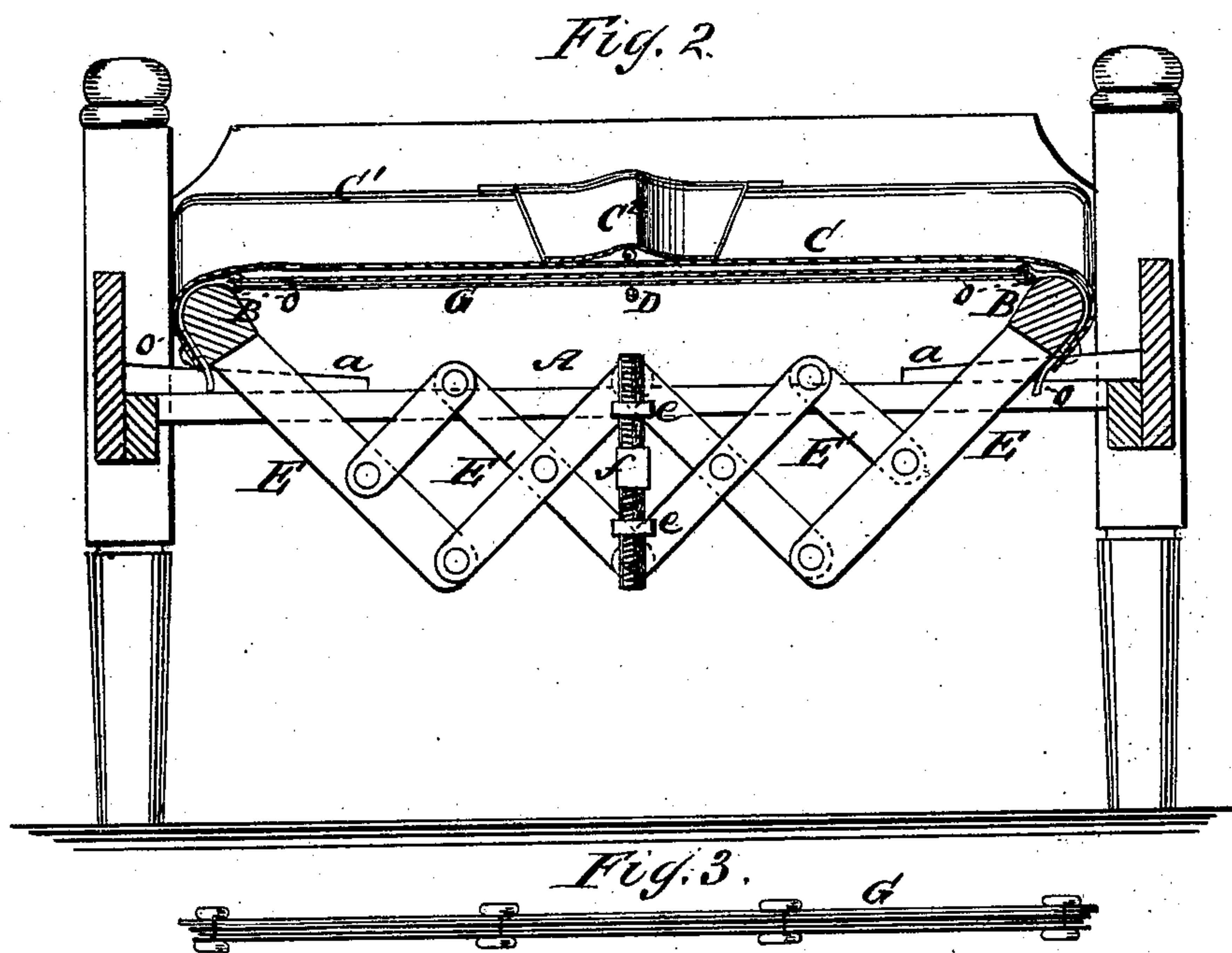
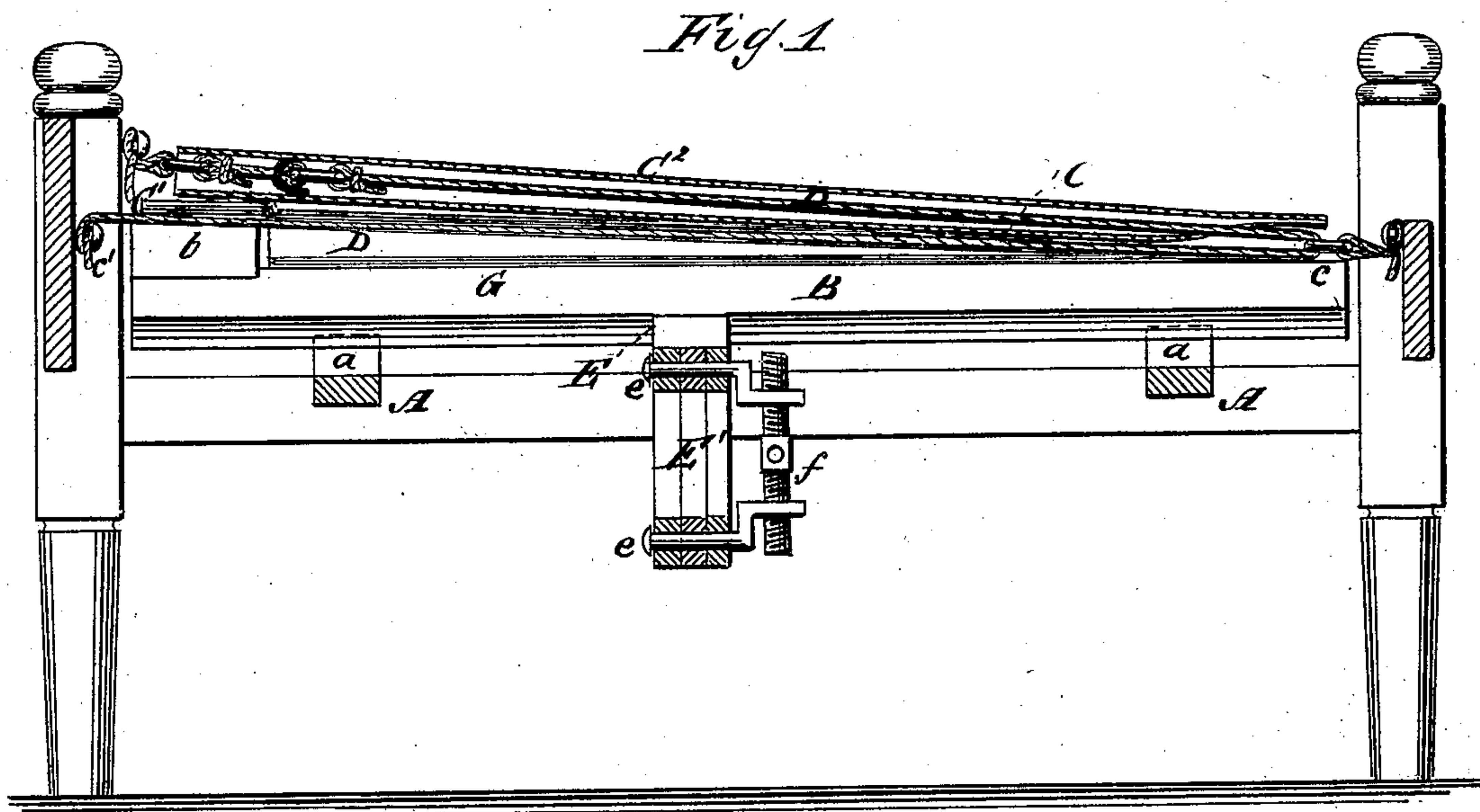


H. W. RUBEL.
Bed Bottom.

No. 202,053.

Patented April 2, 1878.



WITNESSES:

E. Woff.
J. H. Scarborough.

INVENTOR:

H. W. Rubel.

BY

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UNITED STATES PATENT OFFICE.

HENRY W. RUBEL, OF BUTLER, MISSOURI.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 202,053, dated April 2, 1878; application filed May 28, 1877.

To all whom it may concern:

Be it known that I, HENRY W. RUBEL, of Butler, in the county of Bates and State of Missouri, have invented a new and Improved Bed and Bed-Bottom, of which the following is a specification:

Figure 1 is a section taken vertically and longitudinally through the bed-bottom applied to a bedstead. Fig. 2 is a section taken vertically and transversely through the same. Fig. 3 is a section of canvas covering.

Similar letters of reference indicate corresponding parts.

This invention has relation to beds and bed-bottoms; and it consists in a mode of using extension-joints for tightening a flexible or canvas bed-bottom; also, in constructing the canvas bottom with a longitudinal central elevation, in combination with a tightening-rope applied to the head and foot rails of the bedstead, and designed for preventing the canvas from sagging in the center, as will be hereinafter fully explained.

In the annexed drawings I have represented my improvements applied to a bedstead of a well-known construction, in which A A designate two cross-bars, which are supported by ribs fastened to the inside of the bedstead-rails, and constructed with inclined planes *a* at their ends, on which rest angular rails B B.

The rails B B extend nearly the full length of the bedstead, and have suitably-secured to them the canvas bottom C. Along the center of the canvas bottom C a strip of canvas is stitched, forming a receptacle, which is stuffed with cotton, wool, or other suitable substance, which will leave a ridge, C², extending from the head to the foot of the canvas, and forming a division between two persons lying on the bed, preventing them from rolling to the center thereof.

To prevent the canvas from sagging, I use a stretching-rope, D, which is fastened to the head-board of the bedstead and passed through a ring-pulley, *c*, at the foot-board, and thence carried forward through the sheath or ridge C² and fastened to a ring, *c'*, on the head-board. The rope D can be tightened at pleasure without removing the canvas bottom.

E E are two arms, which are rigidly secured to the rails B B, and inclined toward each other, so as to form two of a series of extension-joints, E'.

The two pivots *ee* of the intermediate joints have screw-tapped heads formed on them, which receive a right-and-left screw, *f*, by turning which the joints can be contracted and the canvas put under considerable tension. If desired, the tightening-joints may be applied near the ends of the rails B B.

If it is desired, the bottom of the canvas C may be covered by a sheet, G, attached by elastic strips *o* to the rails B, and composed of two thicknesses of cloth, with sheets of paper suitably fastened between them, for affording warmth to the occupants of the bed. A similar article may be used as a coverlet.

It is obvious that my improved bed-bottom may be folded laterally in a small compass by detaching the adjusting-screw *f* from pivots *ee*.

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

1. In combination with a bed-bottom composed of canvas C, secured to rails B B, the arms E E, extension-joints E', and adjusting-screw *f*, substantially as described.

2. The central cushioned ridge C², combined with the canvas C and tightening-rope D, substantially as described.

3. A canvas bed-bottom, provided with a ridge or cushion extending longitudinally through the center, on the upper side thereof, substantially as described.

4. The combination of side rails, a canvas bottom attached to said rails and supported thereby, and a quilt resting against the under side of said canvas bottom, and consisting of sheets of cloth and paper suitably tacked together, said quilt being attached to the side rails by means of elastic strips, whereby it is allowed to yield in conformity to the sinking or stretching of the bed-bottom, substantially as described.

HENRY WIRT RUBEL.

Witnesses:

J. H. FRIZELL,
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