

D. C. KELLAM.

Bed-Bottom.

No. 160,439.

Patented March 2, 1875.

FIG. I.

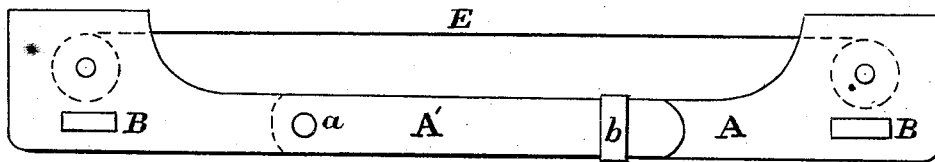


FIG. II.

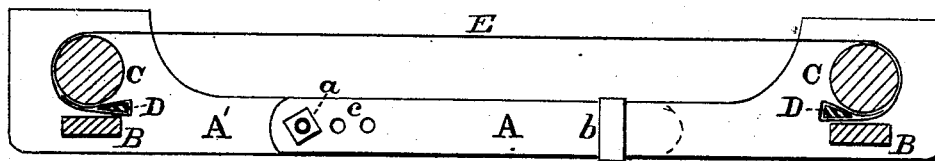
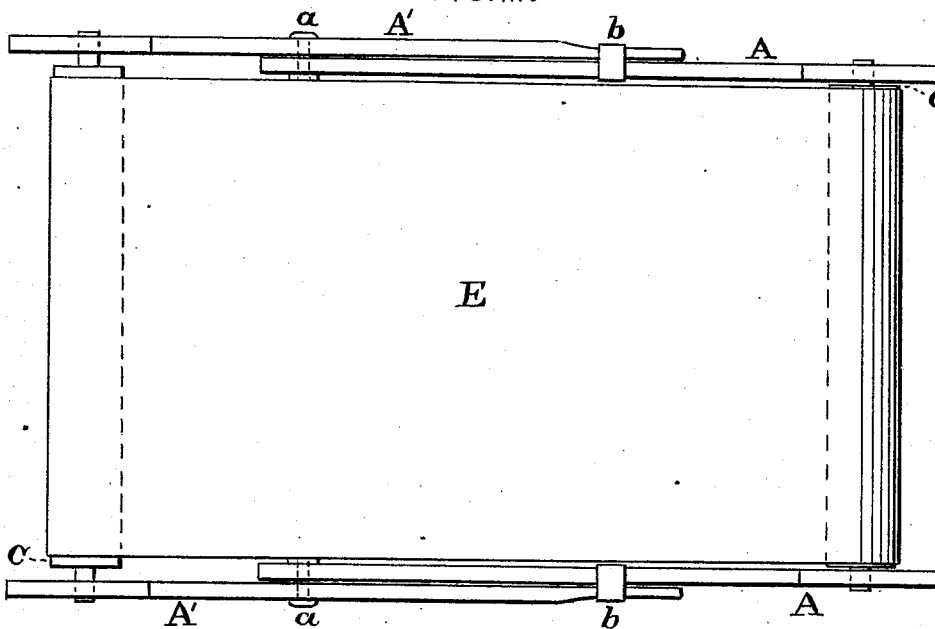


FIG. III.



WITNESSES :

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UNITED STATES PATENT OFFICE

DANIEL C. KELLAM, OF DETROIT, MICHIGAN.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **160,439**, dated March 2, 1875; application filed January 12, 1875.

To all whom it may concern:

Be it known that I, DANIEL C. KELLAM, of the city of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Bed-Bottoms; and I do hereby declare that the following description, taken in connection with the accompanying drawing, is a full description of my said invention.

My invention relates to a bed-bottom having side pieces constructed each in two parts, and coupled together by means of a removable bolt and band, so that the said pieces are adjustable, and may be extended, spare holes being placed therein to admit of such extension; the bottom being further provided at each end thereof with a roller and wedge, by means of which, and a cross-piece forming a part of the bottom, the fabric forming the support for the mattress, is firmly held, and may be tightened or slackened in any part, as hereinafter shown and described.

In the accompanying drawing, forming a part of this specification, Figure 1 represents a side view of my improvements. Fig. 2 is a vertical longitudinal section, and Fig. 3 a top view, of the same.

Similar letters of reference indicate similar parts of the invention in each view.

As shown in the drawing, each of the side pieces is made in two parts, designated, respectively, A and A', the former extending some distance within the latter, both parts being held by means of a bolt and nut, *a*, and the band *b*, the inner part A having the holes *c* for the purpose of extending the frame lengthwise, or shortening it as may be desired. BB designate two cross-pieces extending from side to side, one being at each end of the bed-bottom. CC indicate rollers, one being at each end of the frame, having their bearings in the side pieces A A'. DD are wedges or beveled strips inserted, as shown, between the rollers C and the cross-pieces B, the said wedges not being connected with the side pieces, but placed independently in position, as indicated. The fabric E, forming the support for the mattress, extends lengthwise, passing over a roller, C, at each end, and under and about the wedges D, as shown in Fig. 2. The ends of the fabric are bound and held

fast between the rollers and the cross-pieces B, the wedges D intervening, as shown. The size of the bed-bottom may be changed as to length by extending or drawing in the side pieces A A', the removable bolts and nuts *a*, bands *b*, and holes *c*, being brought into use in effecting the change.

The principal point in which my invention differs from other bed-bottoms is in that the fabric is independent of the means of tightening or slackening the same, this difference enabling the material to be taken up or let out at any point without interfering with the rest of the said fabric. In cases where the fabric is secured to the means for tightening it—as, for instance, to a roller, and the material should become sagged in the center, the attempt to take up the fabric at the desired point would fail by reason of the roller taking up the material along its entire width, and the same relative slack in the center would remain. But with my invention it is quite different, as the fabric is independent of the means of tightening the same, one end of the material passing from one end of the bed-bottom, where it is correspondingly secured between its roller and a cross-piece of the frame, then around the wedge and under the roller to a desired distance, where the termination of the fabric is held out of sight. In this way both ends of the fabric are, while fully secured, independent of the securing devices, and when it is desired to shorten or lengthen the fabric in any part all that is necessary to be done is to slip off the bands *b* from the frame, and loosen the material by slightly raising one end of the frame and turning back the roller, which loosens the wedge, when the material can be evenly passed around the wedge, and it and the roller and frame readjusted. The material is thus made even throughout, and by the great leverage afforded by the jointing of the frame the fabric can be stretched to a degree imparting to it an elasticity much to be desired. Its simplicity of construction, and fewness of parts, render this bed-bottom cheap of manufacture, and the ease with which it can be taken apart and cleaned recommends it as a bottom which can readily be kept clear from vermin.

I claim as my invention—

1. The fabric E, loose at both ends of the bed-bottom, as shown, in combination with the rollers C, cross-pieces B, wedges D, and frame A A', substantially as and for the purposes specified.

2. The extensible frame A A', the part A being provided with the holes *c*, in combination with the bolts and nuts *a*, bands *b*, rollers C, and cross-pieces B, substantially as herein specified, for the purposes set forth.

In testimony whereof, I have hereunto subscribed my name this 14th day of December, in the year of our Lord, 1874, in the presence of two subscribing witnesses.

D. C. KELLAM.

Witnesses:

R. S. HALL,
A. H. EMERY.