

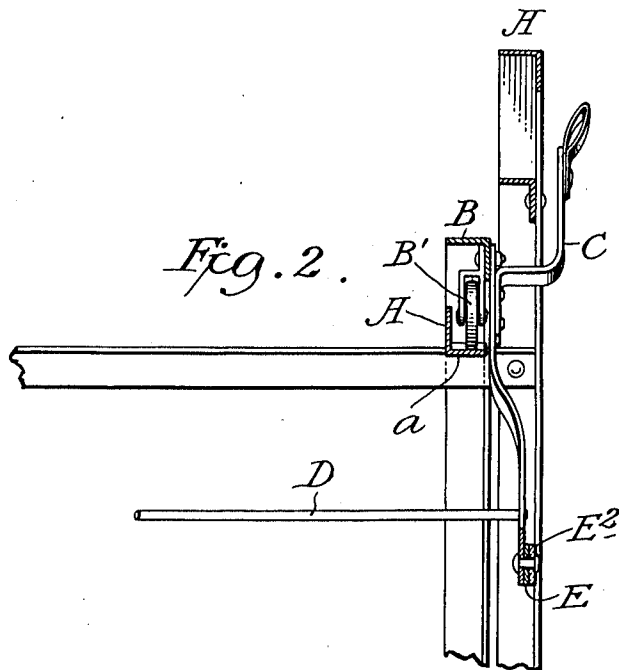
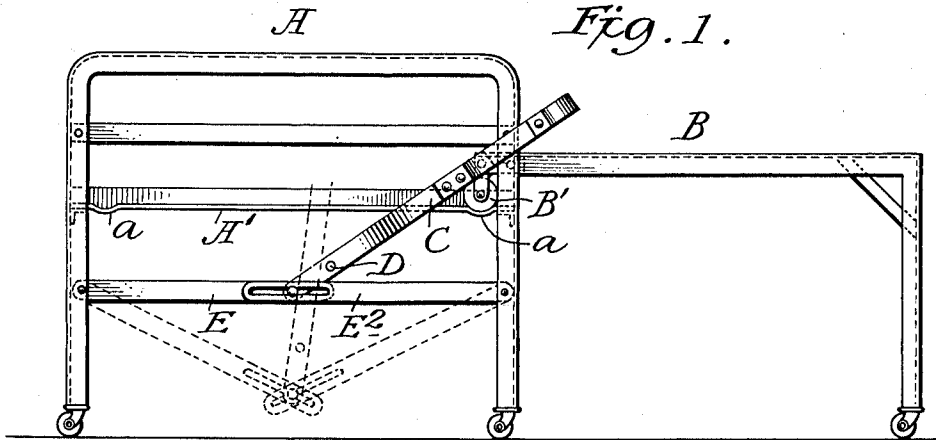
G. F. SISBOWER.

COUCH BED.

APPLICATION FILED SEPT. 6, 1911.

1,027,007.

Patented May 21, 1912.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE F. SISBOWER, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO NEW YORK
COUCH BED COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

COUCH-BED.

1,027,007.

Specification of Letters Patent.

Patented May 21, 1912.

Application filed September 6, 1911. Serial No. 647,899.

To all whom it may concern:

Be it known that I, GEORGE F. SISBOWER, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Couch-Beds, the following being a full, clear, and exact disclosure of the one form of my invention which I at present deem preferable. For a detailed description of the present form of my invention, reference may be had to the following specification and to the accompanying drawing forming a part thereof, in which—

Figure 1 represents my couch-bed in end elevation, and Fig. 2 is a central, vertical section through the end-frame.

In my application, Ser. No. 603,043, filed January 17, 1911, I have described and claimed an operating device for a telescoping bed of the kind often designated as a "couch" said device comprising a rock-shaft mounted underneath and extending longitudinally of the bed, with an operating hand-lever applied to each end of the rock-shaft, the handle or power end of the lever projecting upward from the rock-shaft and movable transversely to the bed, whereby the pressure on the lever is a transverse pressure exerted in a direction in which the bed is stiffest and in which also the telescoping movement takes place. My present device is of the same general type but is an improvement thereon in that the handle or power end of the lever remains at substantially the same level, the lower end of the lever being arranged to rise and fall as the lever swings from side to side of the bed to expand or contract the sections.

Referring to the drawing, A represents the main section and B the extension section of a telescoping couch.

A¹ is an angle iron extending across the main frame to serve as a guide and runway for a roller B¹ mounted on one corner of the extension section B. The floor of this angle iron is provided with a notch or depression, a, at each end into which the roller drops and tends to remain at each end of its route.

C is the hand lever which is bent inwardly near its center to pass through the frame A and pivoted to the frame B at one corner near the roller B¹. The range of travel of of the lever lies outside of frame A although it thus extends through the frame A and is

pivoted to the frame B. Near the lower end of lever C is attached the rock-shaft D which extends longitudinally under the bed to a similar lever (not shown) at the opposite end. The lever C at its lower extremity is jointed to two slotted links E and E², the outer end of each link being pivoted to one of the vertical legs of frame A. This affords a shifting pivotal joint connection between the hand lever and the couch section A.

When the sections are extended the several parts will occupy the positions shown in Fig. 1, but when the sections are to be contracted, the lever C will be turned to the left, drawing in the section B, while the rock-shaft D gives a similar effect at the opposite end of the bed where a duplicate of lever C is arranged in the same way. The lower extremity of lever C will drop down as shown in dotted lines in Fig. 1 by virtue of the shifting pivotal joint until it reaches the vertical when it will rise again to its normal position as it passes the vertical and moves toward the end of its stroke. The rock-shaft D will also partake of the arc-movement of the lower end of the lever.

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

1. The combination with two telescoping couch-sections, of an operating device therefor comprising a rock-shaft extending longitudinally beneath the couch, and an operating hand-lever connected to the rock-shaft said hand-lever being pivoted at or near its upper end to one couch-section and at its lower end to the other couch-section by a shifting pivotal joint.

2. The combination with two telescoping couch-sections, of an operating device therefor comprising a rock-shaft mounted beneath and extending longitudinally of the couch, and a hand-lever connected to said rock-shaft at the end of the couch and outside the frame thereof, the said lever having a pivotal connection with the inner section through the end of frame of the outer section and also a slotted pivotal connection with said outer section.

3. The combination with two telescoping couch-sections, of an operating device therefor comprising a rock-shaft mounted beneath and extending longitudinally of the couch, and a hand lever connected to said rock-shaft at the end of the couch and outside the frame thereof said lever having a

jointed connection with the inner couch-section through the end-frame of the outer couch-section and a link connection with the said outer couch-section.

- 5 4. The combination with two telescoping couch sections, of a pair of links pivotally connected to the frame of one section and having their free ends slotted, an operating lever pivotally connected to the other section and having one end pivotally engaging
10 the slotted portions of the links and a rock shaft to which the lever is connected.

5. A couch bed comprising a stationary section and a movable section that telescopes

therewith, a guide rail carried by the stationary section and provided with depressions adjacent each end, a roller carried by the movable section and traveling on the rail and adapted to engage the depressions, and operating means for the movable sections. 15 20

In witness whereof I have hereunto set my hand, before two subscribing witnesses, this 5th day of September, 1911.

GEORGE F. SISBOWER.

Witnesses:

L. T. SHAW ERISMAN,
H. A. WOLTMANN.