

J. EIBERWEISER.
Bed-Lounges.

No. 156,780.

Patented Nov. 10, 1874.

Fig. 1.

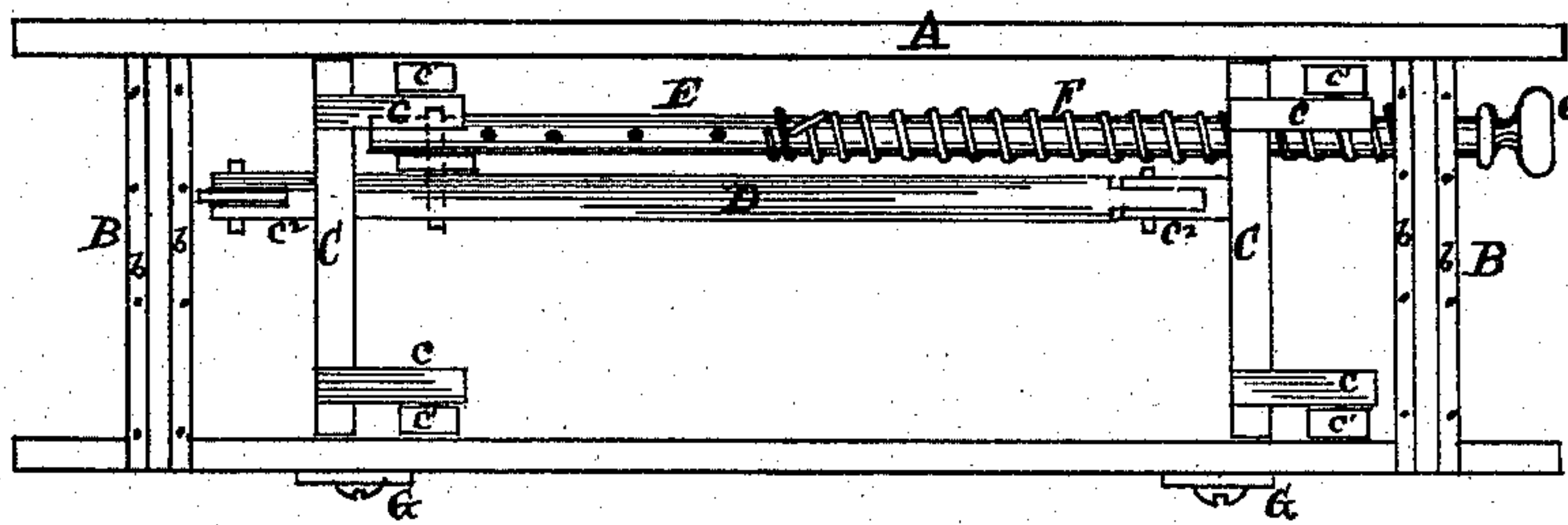


Fig. 2.

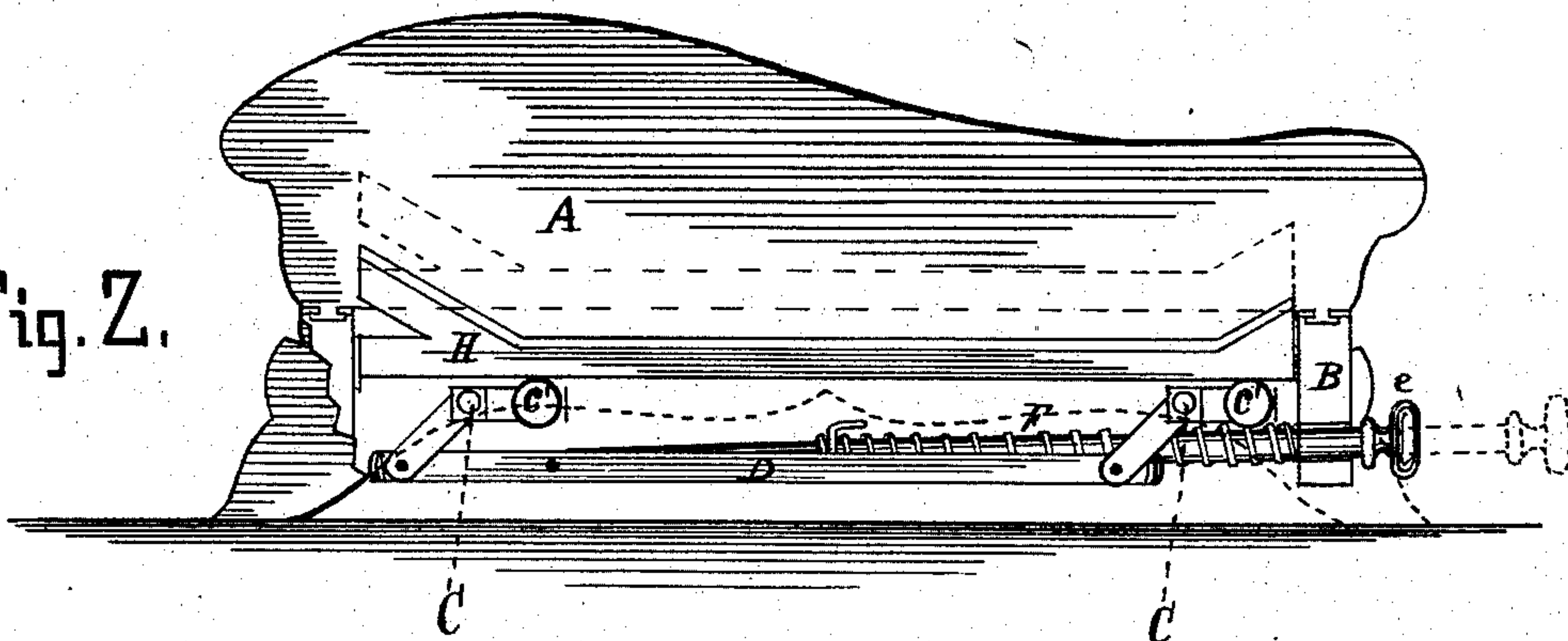


Fig. 3.

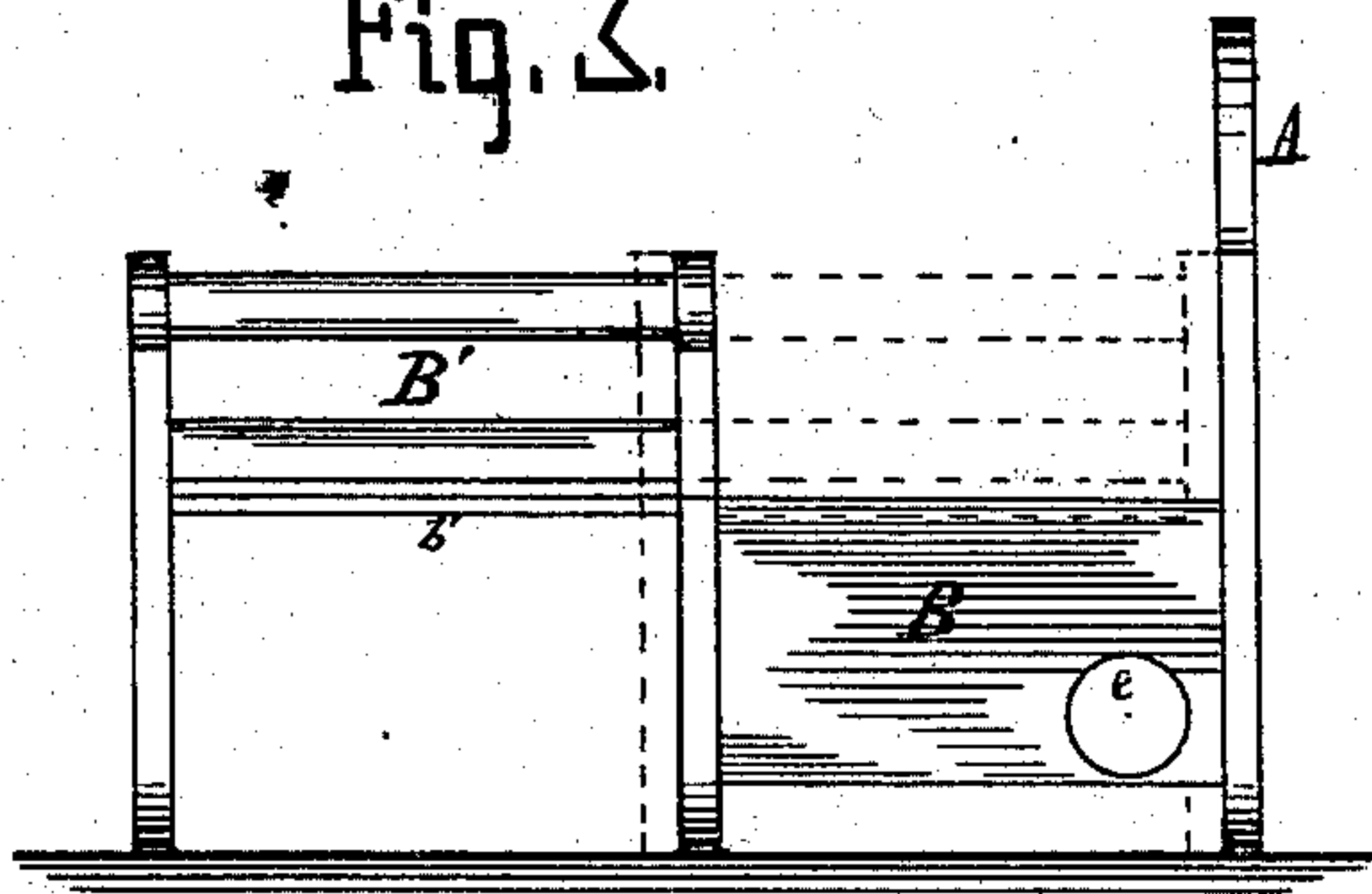
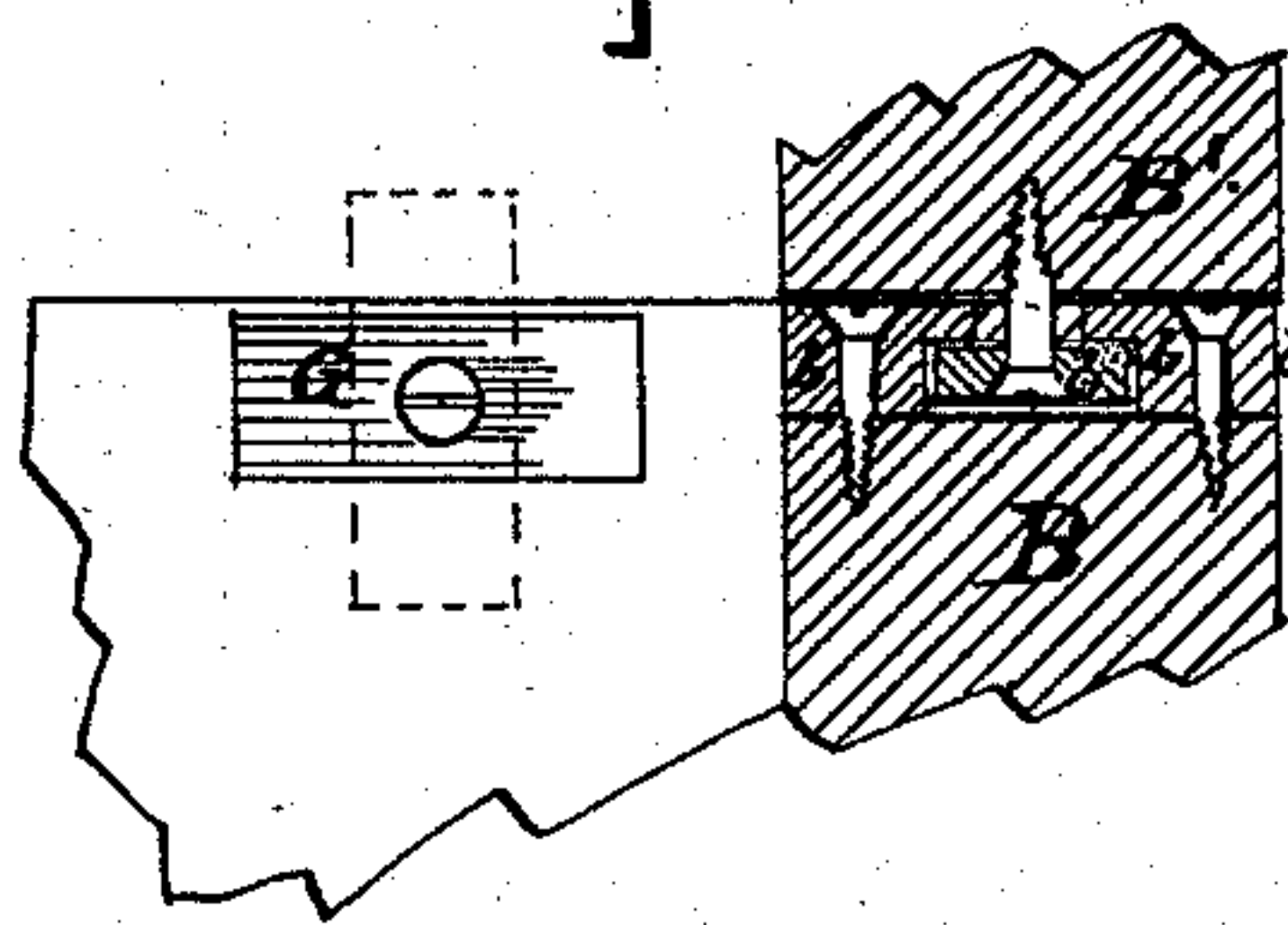


Fig. 4.



Attest
R. L. Simonton
S. Pehr

Inventor
John Eiberweiser
per D. Van Kannel & Co.
Attys.

UNITED STATES PATENT OFFICE.

JOHN EIBERWEISER, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JULIUS WALTER, OF SAME PLACE.

IMPROVEMENT IN BED-LOUNGES.

Specification forming part of Letters Patent No. 156,780, dated November 10, 1874; application filed
July 30, 1874.

To all whom it may concern:

Be it known that I, JOHN EIBERWEISER, of Cincinnati, county of Hamilton and State of Ohio, have invented a new and useful Improvement in Bed-Lounges; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings making a part of this specification.

Figure 1 is a plan of the fixed member, having the working parts attached thereto; Fig. 2, a side elevation of the same, having the elevating member in position. Fig. 3 is an end view, showing the lounge extended; and Fig. 4 is an enlarged view, in section, exhibiting the guide and opening-stop.

Similar letters of reference indicate like parts.

The nature of my invention relates to a new and improved bed-lounge, which may be converted into a double bed, or folded to economize room when not thus used.

Among the features of novelty and efficiency may be mentioned the ease with which it can be converted from one use to another without the necessity of drawing the entire piece of furniture from the wall; also, an improved balance-spring, which may be adjusted in accordance with the weight placed on the elevating-frame; also, an improved mechanism for elevating and lowering the said frame, and an efficient guide and opening-stop, whereby the structure may easily be taken apart or put together.

In construction, my invention is as follows: A A is the back of the fixed member of the lounge; B B, the end rails, on which two metallic strips, *b b*, are fastened longitudinally, leaving a space between them, under which a third iron strip, *b'*, attached to the movable member B', slides, keeping the two always together. At C C are two vibrating props, having arms *c c c*, on which are fastened the friction-rollers *c¹ c¹*. Each prop has an additional arm, *c²*, which terminates in two prongs, to receive the connecting-rod D. To this rod is held the draw-bar E by means of a pin. The bar then passes out through the end rail B, and terminates in a suitable knob, *e*. Inside this rail, and attached to it, is the coil-spring F, which is passed over the bar, and fastened by the other end to said bar by a pin passing

through the same. A number of holes are bored in said bar at intervals, whereby a greater or less tension may be given the spring by moving the pin to these holes. The row of cross-slats, which support the mattresses in the movable member and elevating-frame, are inclined upward at each end. This forms a sort of foot-board, as well as head-rest, the former thus tending to retain the bedding in place, and also serve as a head-supporter where children are laid at the foot, as is sometimes desirable. At G is seen an opening-stop, which, when turned as seen by the dotted lines, prevents the movable member from being drawn entirely out, and bringing it to a stop at the point where the elevating-frame passes up. When placed as seen in the drawing, it allows the movable member to be detached from the other, making it convenient for cleaning or moving from place to place.

In operation, my invention is as follows: When it is required to extend the lounge the member B' is drawn out, as seen in Fig. 3. This will stop against part G, as above stated, while the dovetail guides formed by strips *b b* and *b'* keep the two members in proper position in relation to one another. The draw-bar E is then drawn out, as seen by dotted lines in Fig. 2, which causes the props C C to assume an erect position, thereby elevating the frame H to a level with the member B'. The balance-spring, in this operation of drawing the bar outward, assists the operator, and at the same time retains the parts in this position when in use as a bed.

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

1. The hinged props C, with friction-rollers *c¹* and connecting-rod D, combined with draw-bar E, all constructed and operating substantially as herein set forth.

2. In combination with the props C and connecting-rod D, the balancing-spring F and draw-rod E, provided with holes, as shown, for the purpose of adjusting the tension of said spring.

JOHN EIBERWEISER.

Attest:

T. VAN KANNEL,
L. PREHN.