

(Model.)

A. MORRIS.
Bed Lounge.

No. 237,767.

Patented Feb. 15, 1881.

Fig: 1.

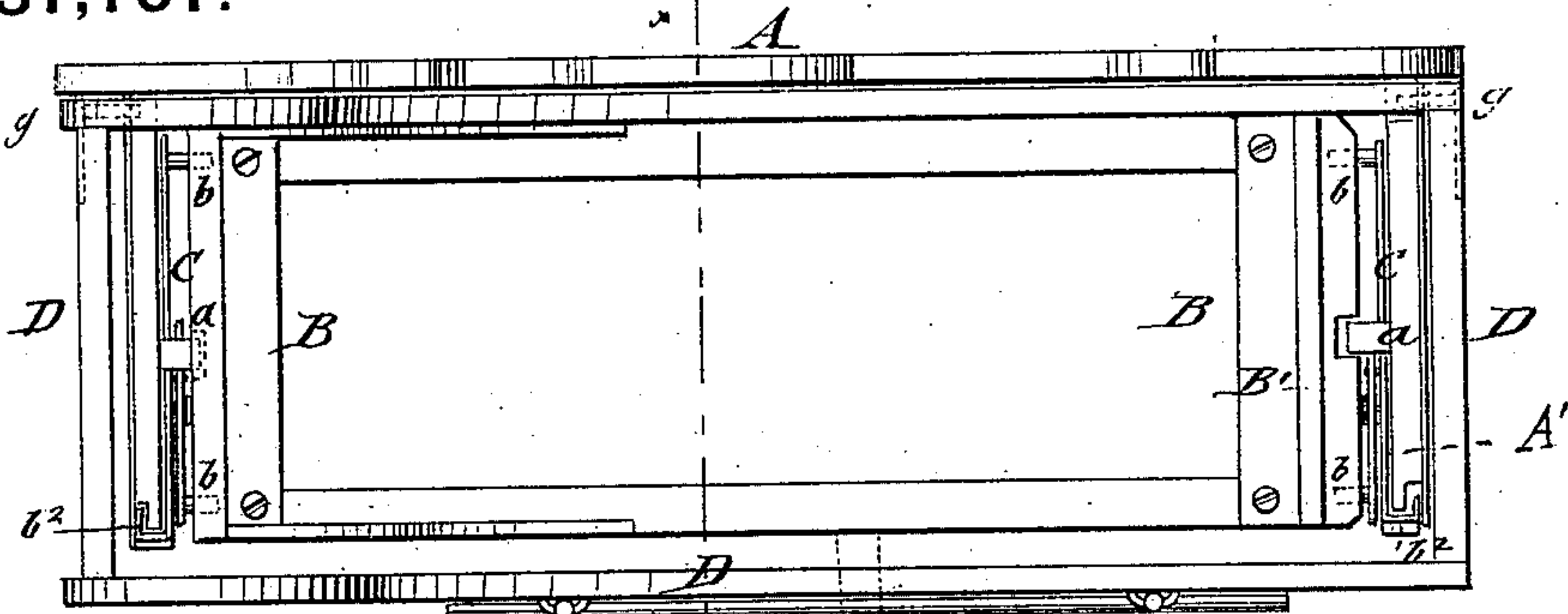


Fig: 2.

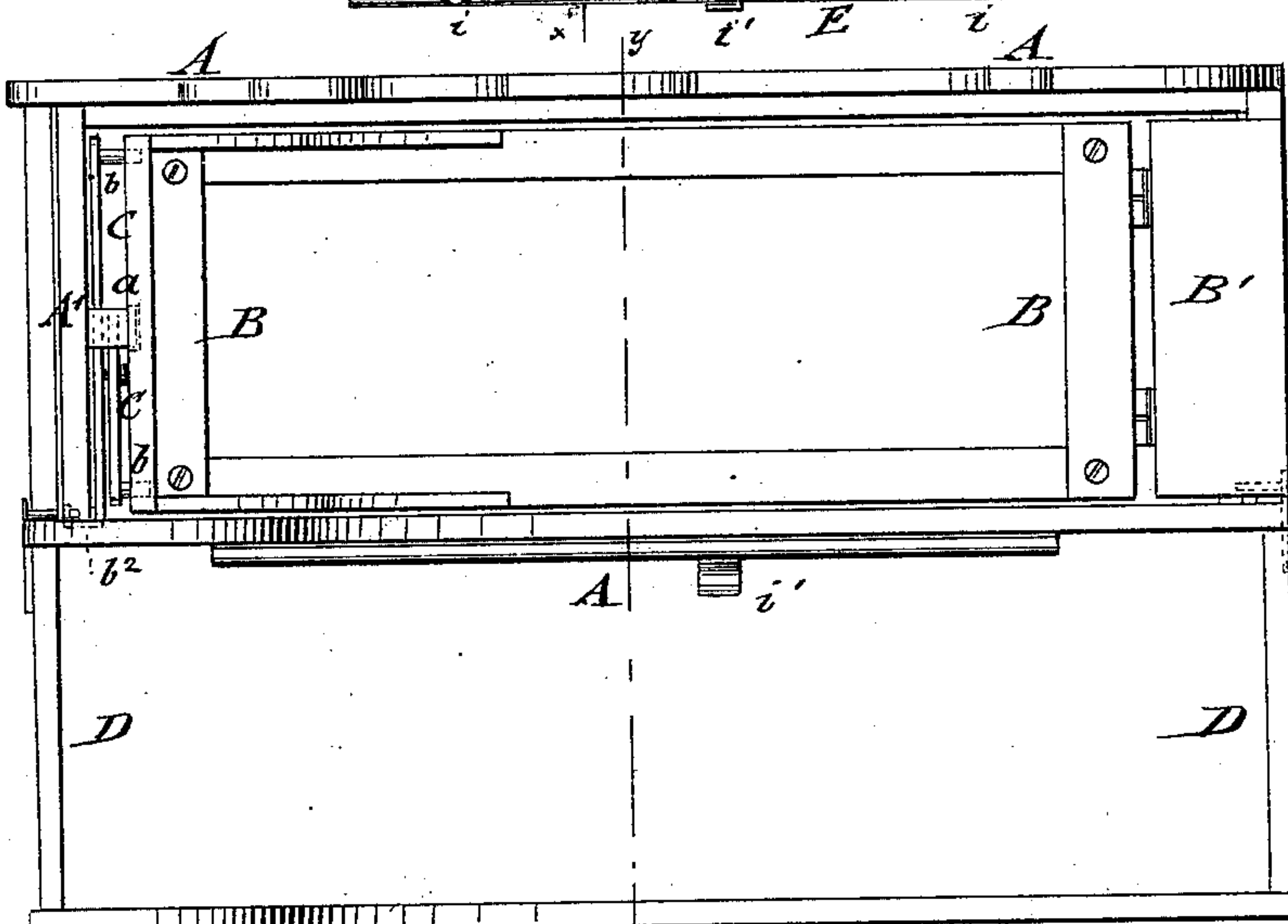


Fig: 3.

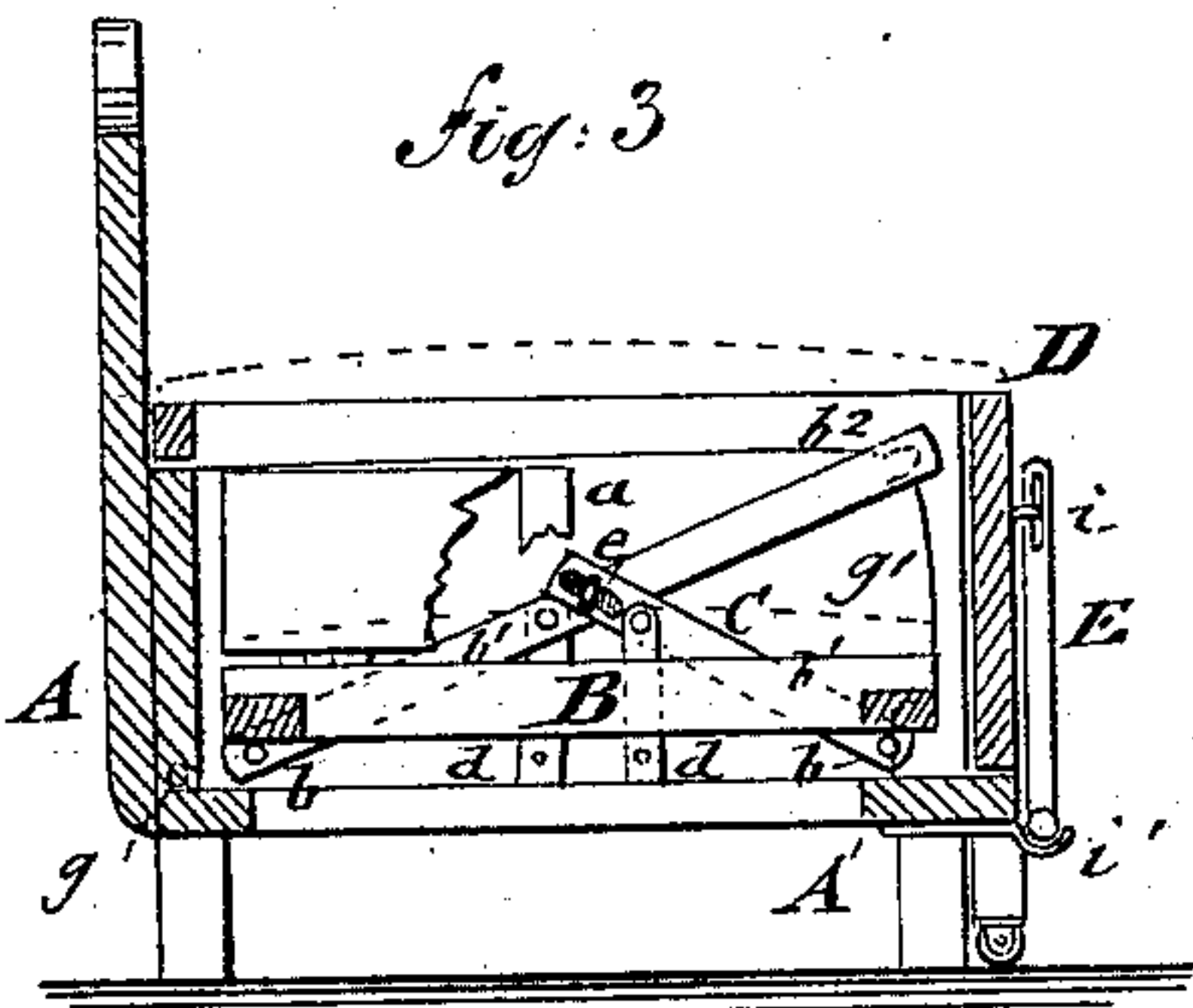


Fig: 4.

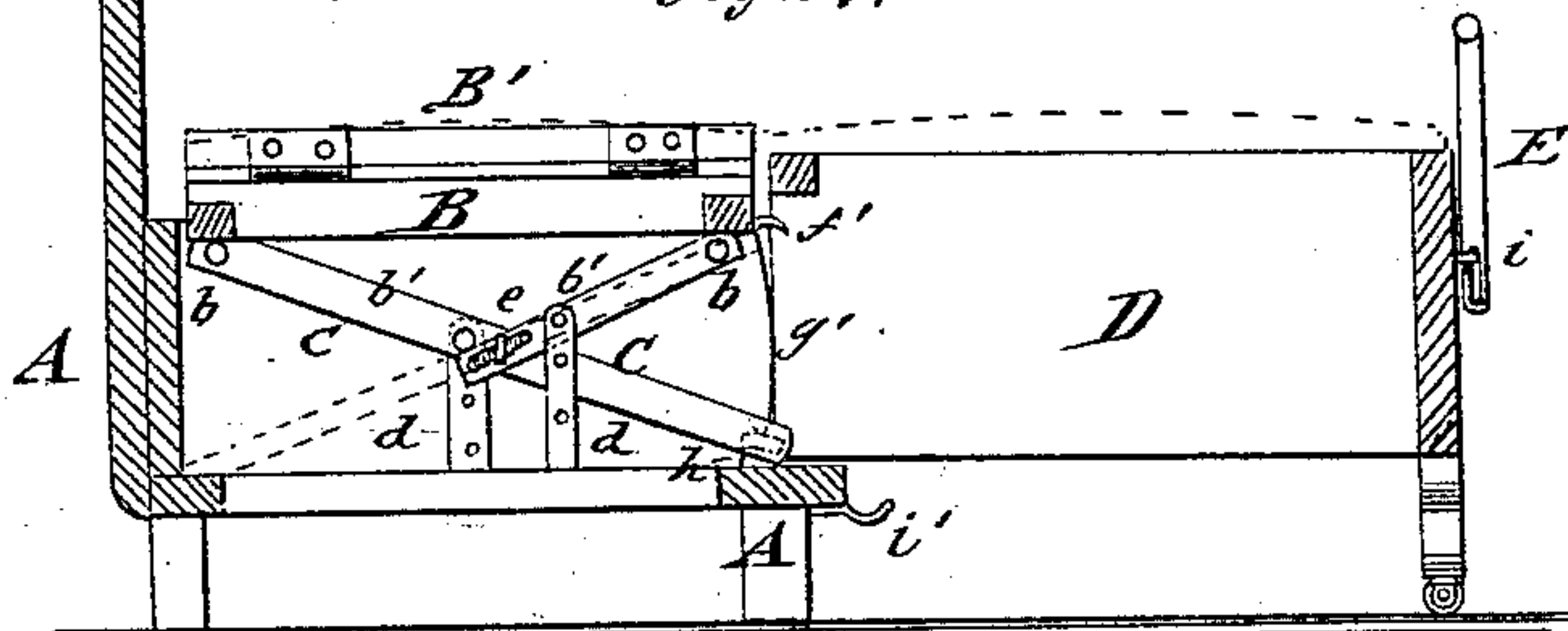


Fig: 6.

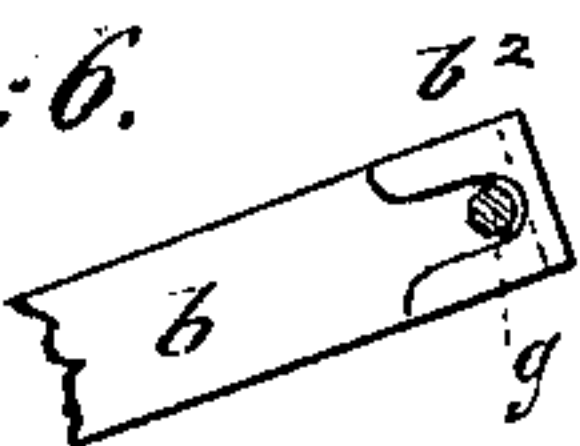


Fig: 5.

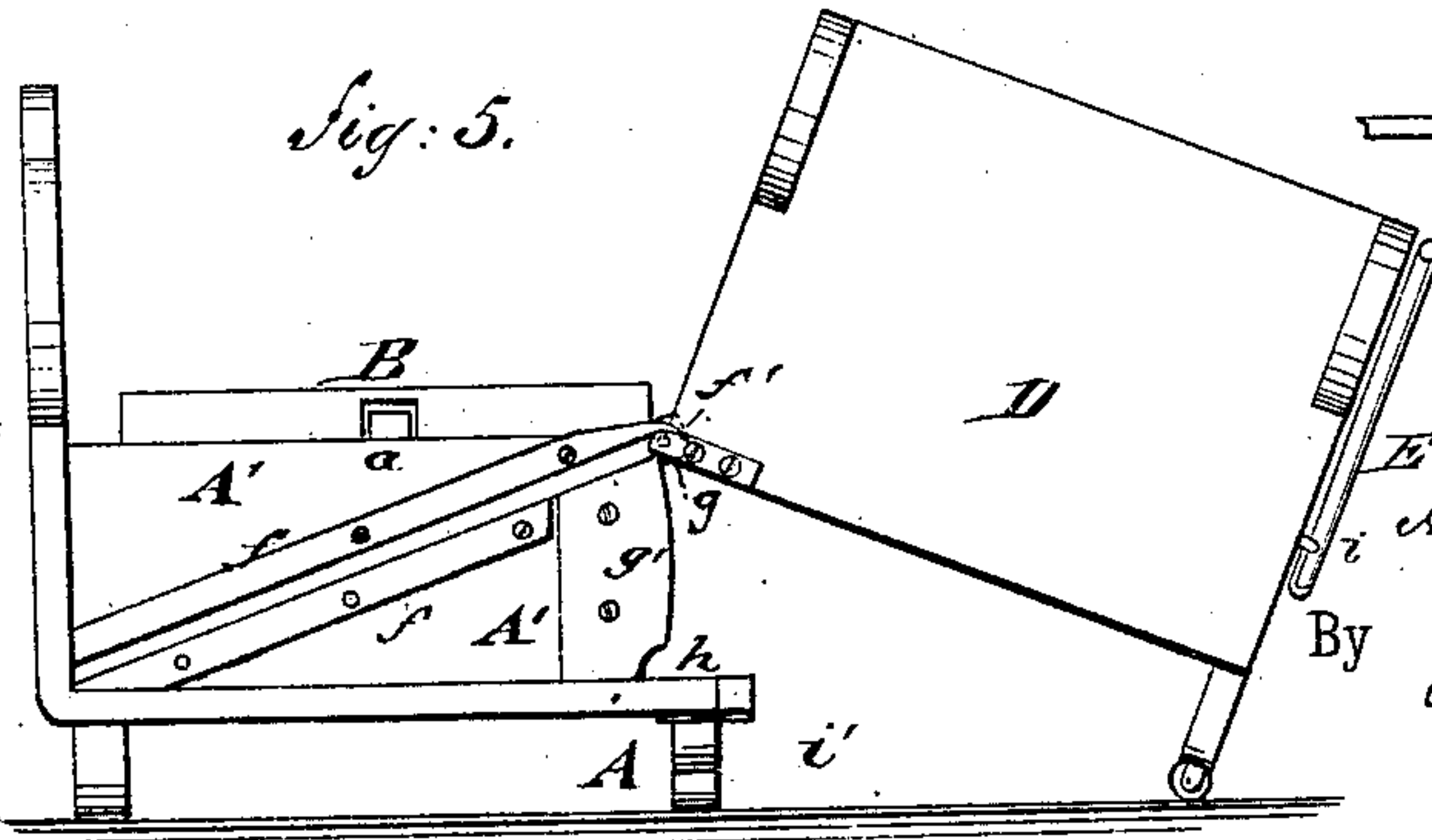
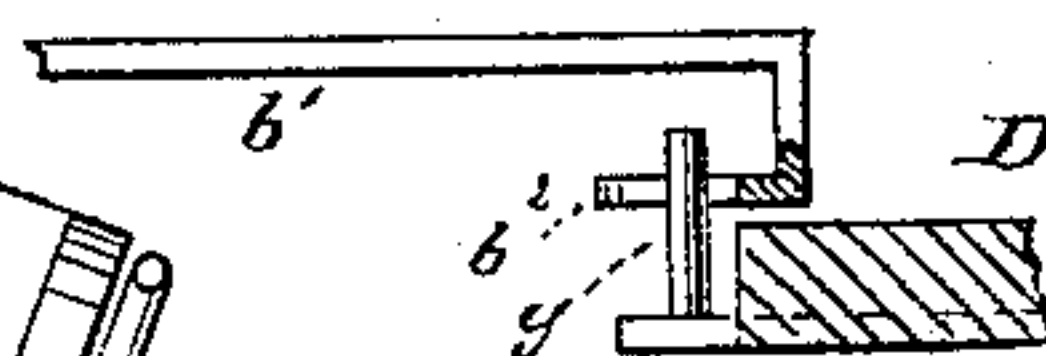


Fig: 7.



WITNESSES:

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BED-LOUNGE.

SPECIFICATION forming part of Letters Patent No. 237,767, dated February 15, 1881.

Application filed April 7, 1880. (Model.)

To all whom it may concern:

Be it known that I, ABRAHAM MORRIS, of the city, county, and State of New York, have invented certain new and useful Improvements in Bed-Lounges, of which the following is a specification.

In the accompanying drawings, Figures 1 and 2 represent top views of my improved bed-lounge, shown respectively in position for use as a lounge and as a bed. Figs. 3 and 4 are vertical transverse sections of the different positions, respectively on lines *x x* and *y y*, Figs. 1 and 2. Fig. 5 is an end elevation of the bed-lounge, in which one section is shown in the act of adjustment; and Figs. 6 and 7 are detail views, showing a side and top view of the end socket of the lifting-lever.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved bed-lounge which can be changed with great facility from a lounge to a bed, and vice versa; and the invention consists of a vertically movable and guided inner section which is raised or lowered by means of fulcrumed lever-frames, said levers being actuated by a laterally-movable section, which is guided in diagonal end grooves and along arc-shaped front guides of the end boards of the supporting-frame, the laterally-movable section being finally locked into recesses of the main frame. For returning the laterally-movable section it is first moved up again along the front guides, lowering simultaneously therewith the vertically-movable section, and then backward and downward along the diagonal end guides, so as to inclose the end boards and inner section. The outer section is provided with a railing having stays with slotted ends connected to guide-staples, so as to be set into upright or downward position, being retained in the latter by spring-catches of the lounge-frame.

Referring to the drawings, A represents the supporting-frame of my improved bed-lounge, within which is arranged a vertically-movable interior section, B. This section is guided by means of end recesses on vertical guide-posts *a a*, and supported on projecting pins *b b* of two lever-frames, C, at each end of the interior section, B. Each lever-frame C is composed of two arms, *b' b'*, which are fulcrumed to ver-

tical supports *d d*, the end of one lever, next to the fulcrum, being slotted and connected with a fixed pin, *e*, of the other lever, as shown in Figs. 3 and 4. The rear arm, *b'*, of each lever-frame is elongated toward the front of the lounge-bed, and provided at its end with a bent U-shaped portion, *b²*, the outermost part of which is recessed, as shown in Figs. 6 and 7. This recessed part is in line with the front ends of outer diagonal guide-rails, *f f*, of the fixed end boards, A' A', of the lounge-frame A, the upper guide-rails having an arc-shaped projection, *f'*, as shown in Figs. 4 and 5.

Along the diagonal guide-rails of the end boards, A' A', is guided, by means of fixed pins *g g*, arranged at the lower rear corners, a laterally-movable outer section, D, which is supported at the front part on legs with casters. When this outer section is moved forward away from the lounge-frame its rear part is carried up along the diagonal guide-rails until its corner pins, *g*, engage the recessed ends *b²* of the elongated levers *b' b'* and cause, by pressing on the outer section, D, the downward motion of the rear part of the section along the arc-shaped front guides, *g'*, of the end boards, A'. Simultaneously therewith the lever-arms, and consequently the inner section, B, are moved upward by the pressure on the elongated levers until the latter arrives at its uppermost position, being then on a level with the outer section, the corner pins of which have simultaneously arrived at the lower parts of the end boards, where the pins enter recesses *h h*, so as to lock thereby not only the outer sections but also the raised inner section rigidly in position. The upward and downward motion of the outer section is facilitated by the casters of its front legs. A hinged foot-board, B', of the inner section, B, is then thrown over the lower end board of the lounge. The bed-lounge is now in position for use as a bed. For changing it back into a lounge, the foot-board is thrown up again. The outer section, D, is then slightly raised at the front, so as to release its rear pins from the locking-recesses, and its rear parts moved up along the arc-shaped guides until the rear pins engage the diagonal guides of the end boards. The outer section is then pushed back over the lounge-frame and inner section, which latter

has been returned into lowermost position by the action of the lever-frames simultaneously with the upward motion of the rear part of the outer section along the arc-shaped front rails. The sections are thus one above the other and the lounge is re-established.

The front board of the outer section, D, is provided with a railing, E, which consists of a longitudinal rail and two vertical stays, which latter are guided by slots at their lower ends along staples *i* of the front board. By swinging up the railing and then pushing the slotted stays down along the staples it is firmly held in vertical position along the front board, while by lifting the railing until the lower slotted ends of the stays can swing on the staples it can be swung down alongside of the front board, to be out of the way. It is in this position retained by front spring-catches, *i'*, of the lounge-frame when the outer section has been moved back over the inner section for use as a lounge.

The bed-lounge is readily changed from one position into the other, as the different operations are performed one after the other. The guiding and supporting mechanism of the inner section is inclosed by the end boards of the main frame, the guides of which are again inclosed by the end walls of the outer section when the same is returned over the inner section. The lifting or lowering of the inner section is easily accomplished by the lowering or raising of the rear part of the outer section, and thus the bed-lounge quickly set for use as a bed or lounge, as required.

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

1. In a bed-lounge, the combination of a lounge-frame having vertical end boards, and of an inner vertically-guided section supported on lever-frames at the ends, with an outer section which is laterally guided on diagonal rails of the end boards, and adapted, by means sub-

stantially as described, to engage the lever-frames of the inner section, so as to raise or lower the same by the lowering or raising of the outer section, substantially as set forth.

2. The combination of the lounge-frame A, having end boards, A', with diagonal exterior rails, *f f*, and of a vertically-guided inner section, B, supported on fulcrumed lever-frames C, with a laterally-guided outer section, D, having rear corner pins, *g*, which pass along the rails, and are adapted to engage the lever-frames, substantially as described.

3. In a bed-lounge, the combination of the vertically-guided inner section, B, and of the outer section, D, having rear corner pins, *g g*, with the supporting lever-frames C C, having elongated lever-arms *b'*, with recessed ends *b''*, substantially as set forth.

4. In a bed-lounge, the combination of lounge-frame A, end boards, A', having diagonal rails *f f* and arc-shaped front guide-rails, *g' g'*, and inner section, B, with the outer section, D, having rear corner pins, and with the shorter lever-arms and elongated and recessed arms *b' b'* of the lever-frames C C, to raise or lower the inner section by the lowering or raising of the rear part of the outer section, substantially as set forth.

5. In a bed-lounge, the end boards, A', having lower recesses, *h*, and the fulcrumed lever-frames C of the inner section, B, the lever-frames having elongated arms with U-shaped and recessed front ends, in combination with the outer section, D, having rear corner pins to lock the lever-frames and sections rigidly into outward position, as specified.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 27th day of March, 1880.

ABRAHAM MORRIS.

Witnesses:

PAUL GOEPEL,
ADOLF DENGLE.