

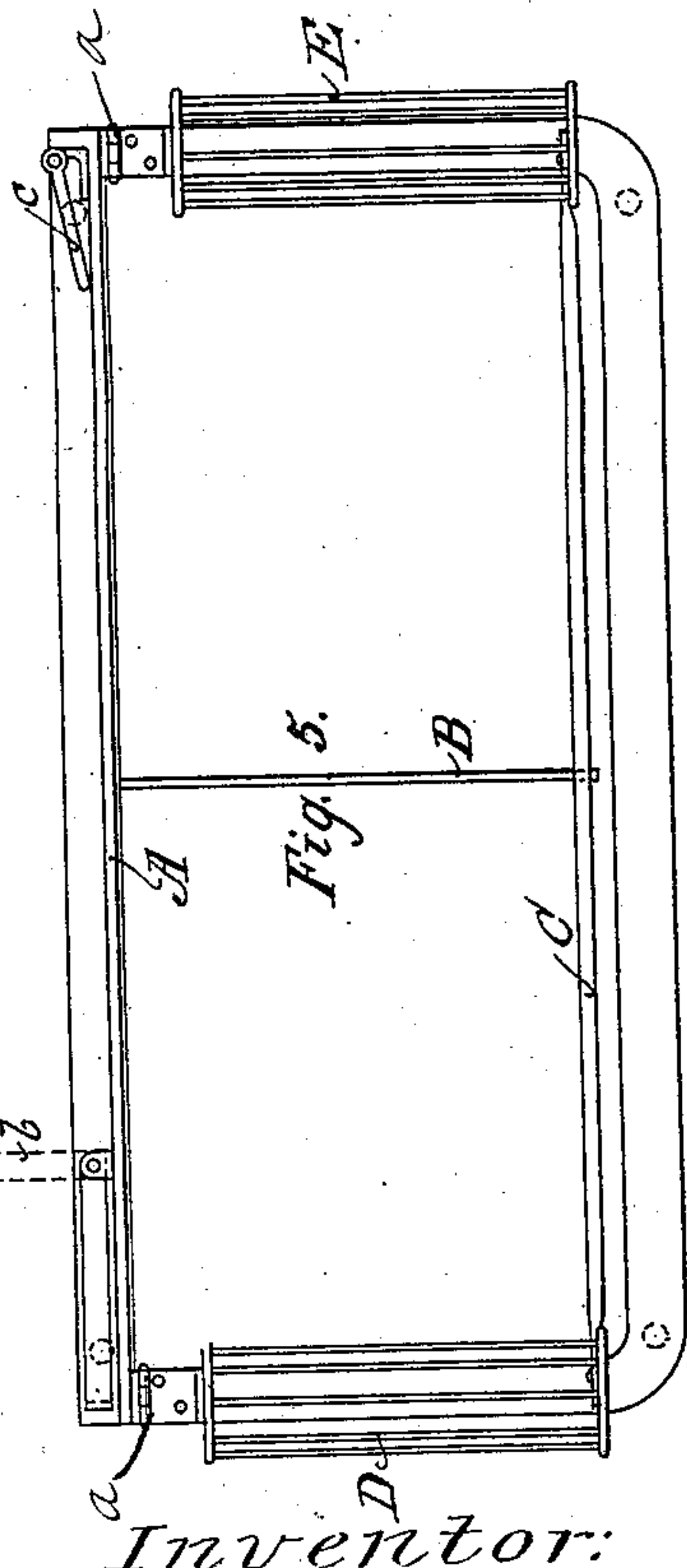
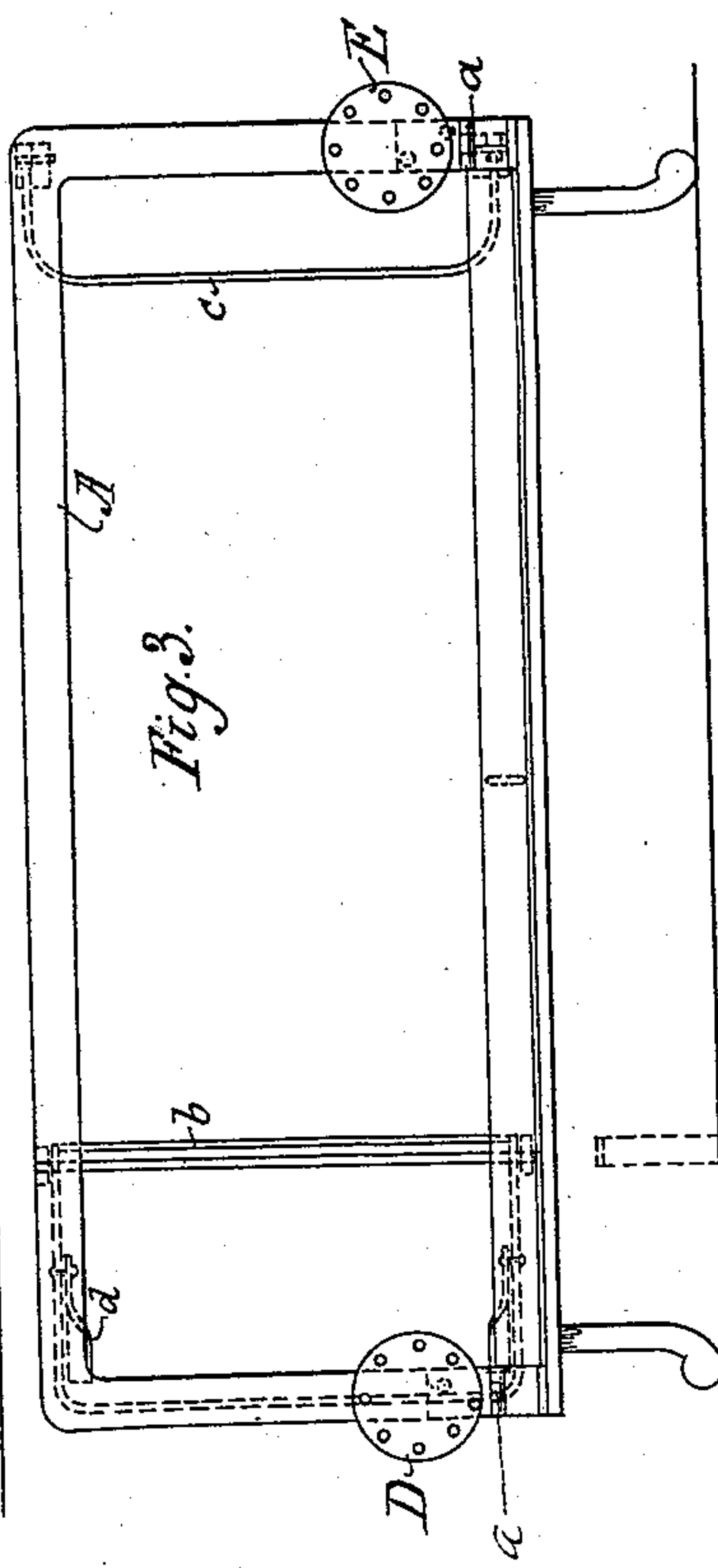
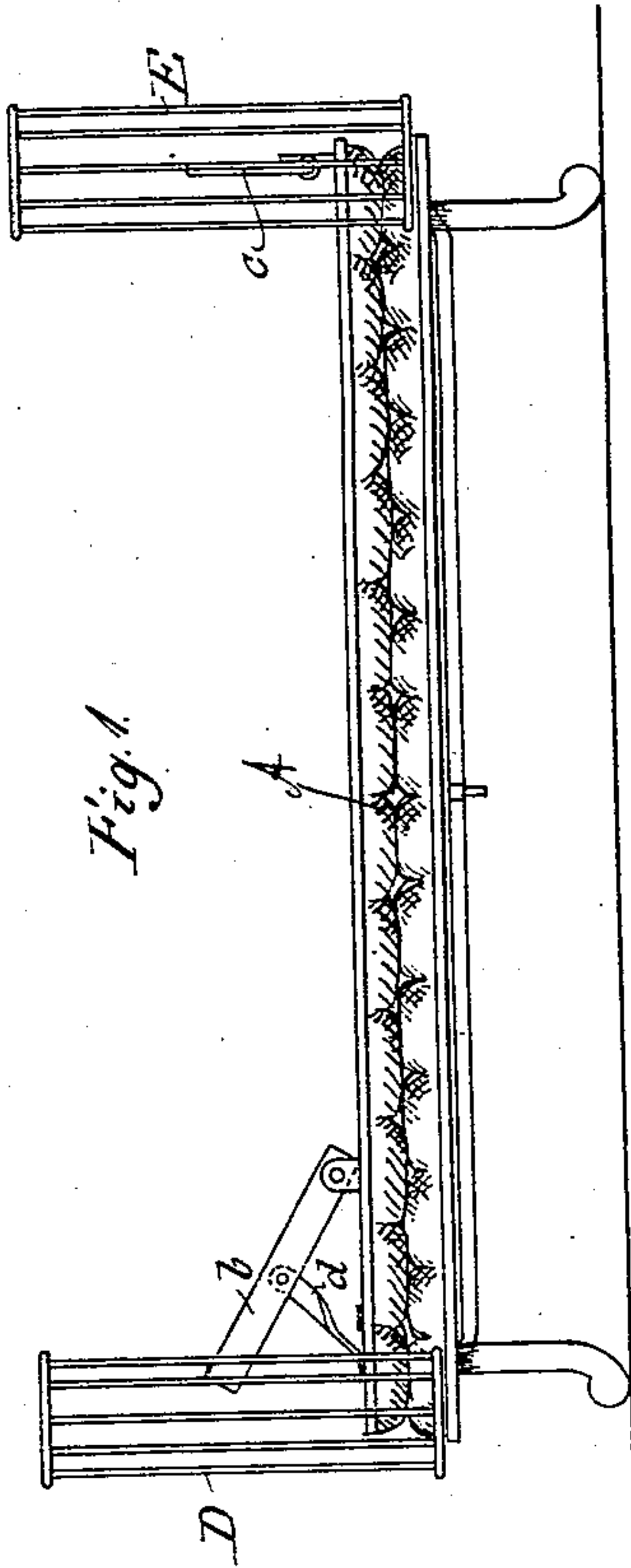
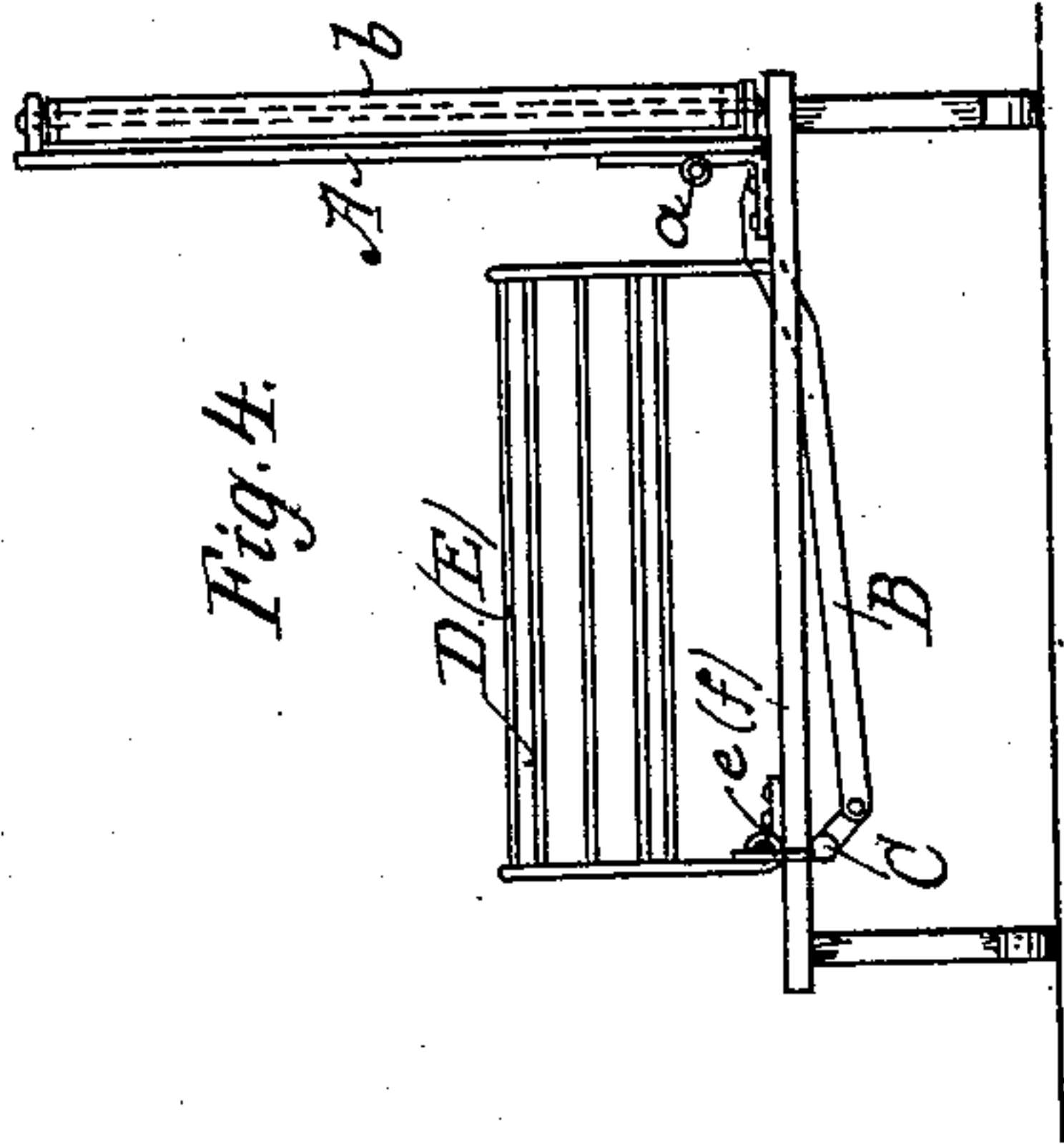
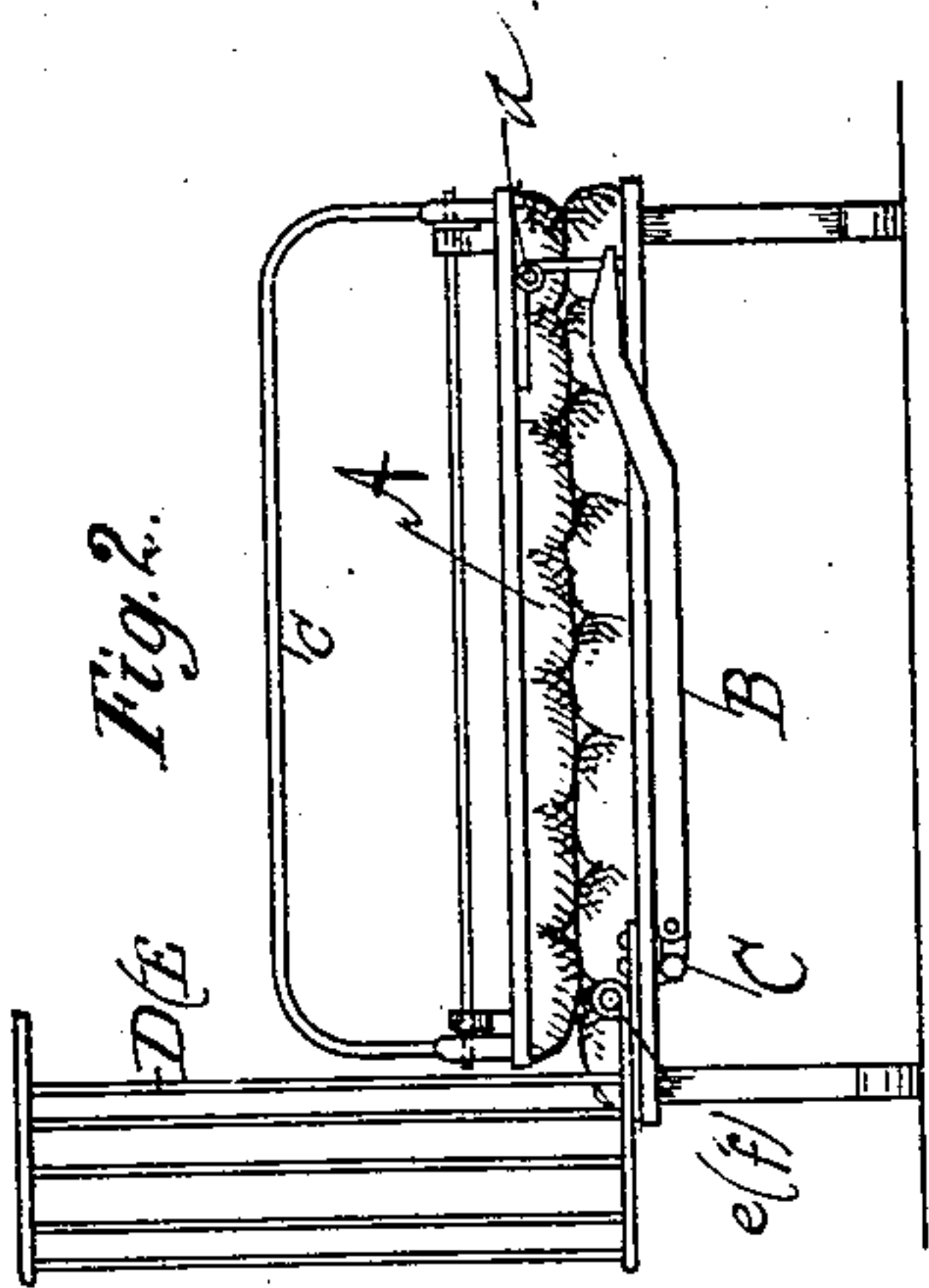
(No Model.)

2 Sheets—Sheet 1.

G. GOLDSCHMIDT.  
BED COUCH.

No. 455,921.

Patented July 14, 1891.



Witnesses:  
E. B. Rolton  
C. L. Richards

By

Inventor:  
Gustav Goldschmidt  
Richards & Co.  
his Attorneys.

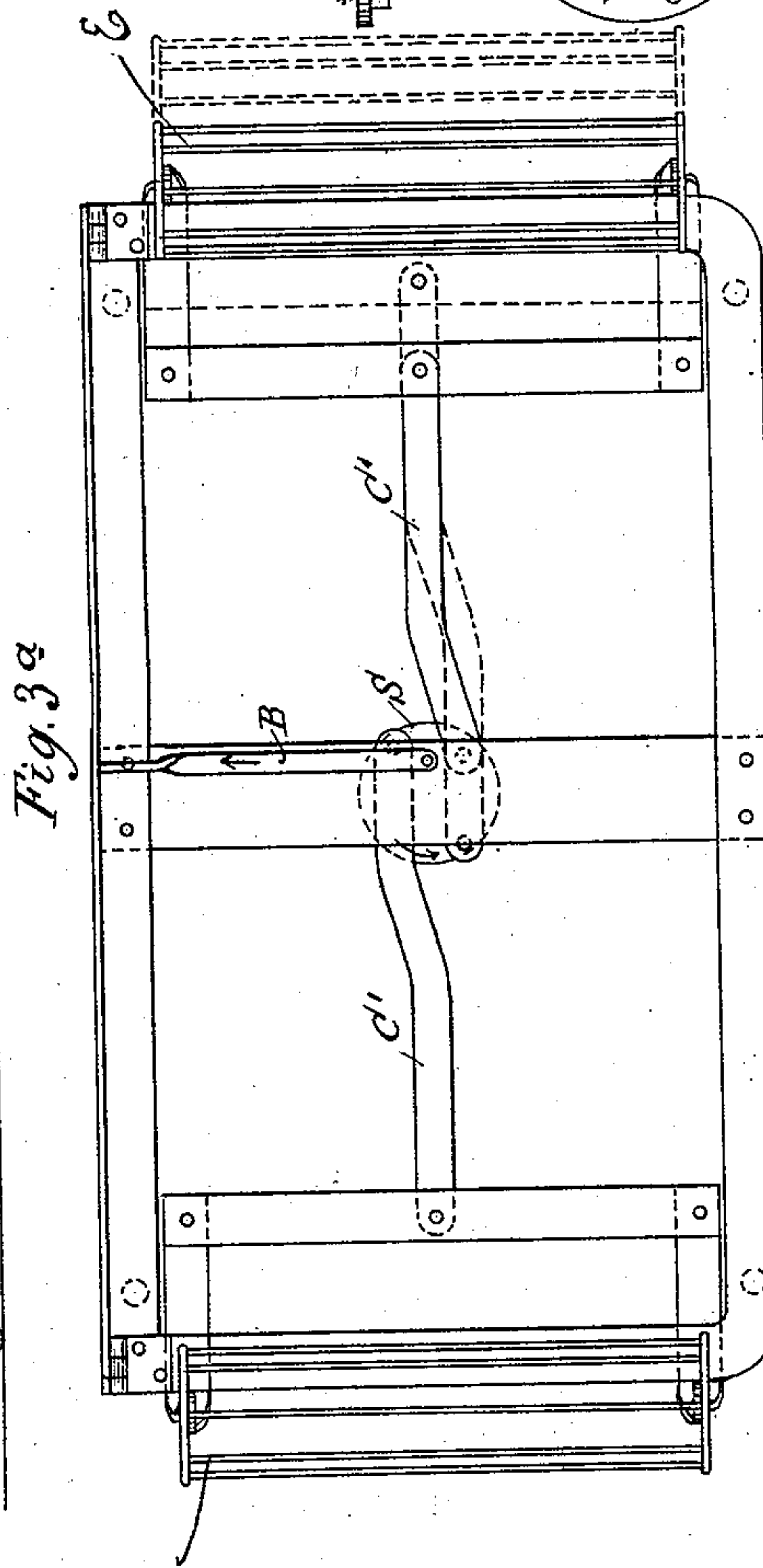
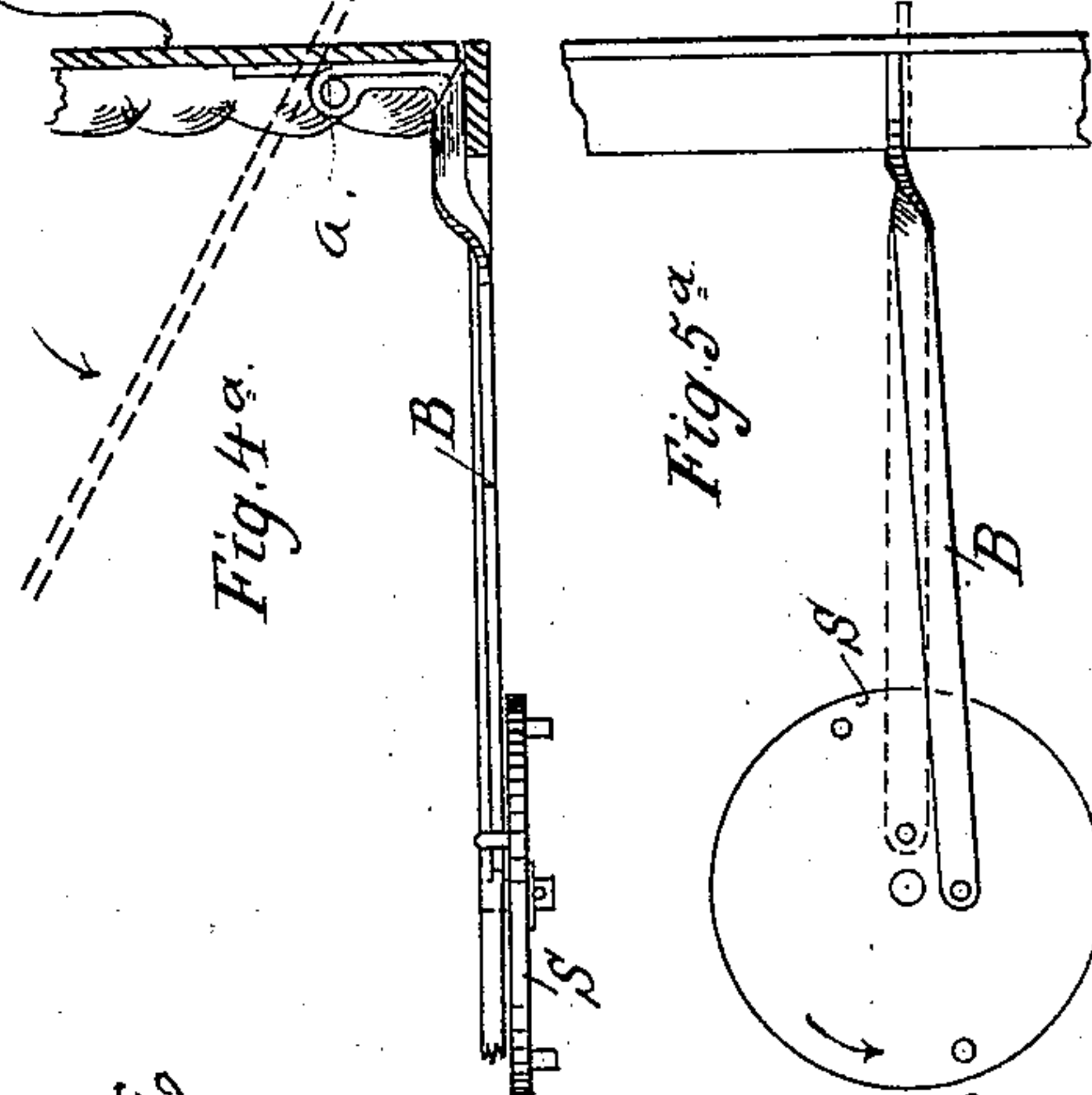
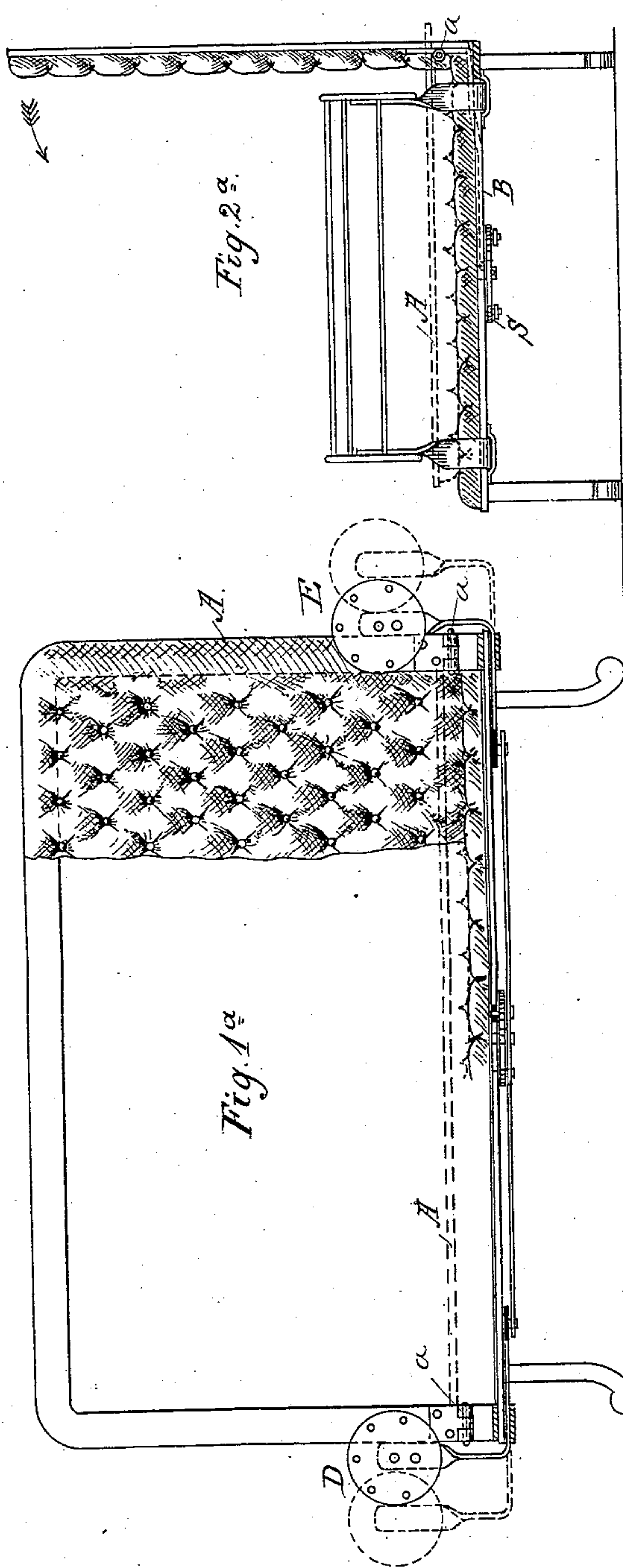
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2 Sheets—Sheet 2.

G. GOLDSCHMIDT.  
BED COUCH.

No. 455,921.

Patented July 14, 1891.



Witnesses  
E. R. Bolton  
C. L. Richards

Inventor:  
Gustav Goldschmidt  
By *Richards & Co.*  
his Attorneys.



# UNITED STATES PATENT OFFICE.

GUSTAV GOLDSCHMIDT, OF BERLIN, GERMANY, ASSIGNOR TO BERNHARD SCHLESINGER, OF NEW YORK, N. Y.

## BED-COUCH.

SPECIFICATION forming part of Letters Patent No. 455,921, dated July 14, 1891.

Application filed June 14, 1890. Serial No. 355,492. (No model.) Patented in Germany July 24, 1889, No. 48,710.

*To all whom it may concern:*

Be it known that I, GUSTAV GOLDSCHMIDT, a subject of the King of Prussia, German Empire, and a resident of the city of Berlin, in the Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Bed-Couches, (patented in Germany July 24, 1889, No. 48,710;) and I hereby declare that the following is a full, clear, and exact description of the same.

The object of this invention is a bed-couch in which certain improvements in construction and operation are attained, as hereinafter more particularly set forth and claimed.

In the accompanying drawings the new couch-bed is represented in two complete forms, so that its novelty and peculiarity are clearly set forth; also, the movable side rails or arms and automatic backward motion of the back by the removal of these rails, and, lastly, the employment of the side rails as a night-table, &c.

In said drawings, Figure 1 is a side elevation with the back folded down and the side rails or arms folded up for use as a bed. Fig. 2 is an end view of the same. Fig. 3 is a front elevation with the back up and the arms or side rails down. Fig. 4 is an end and Fig. 5 a plan view of the same. Fig. 1<sup>a</sup> is a front view of a modified form of device with the parts unfolded or in position for use as a sofa or couch. Fig. 2<sup>a</sup> is an end view of the same. Fig. 3<sup>a</sup> is a plan view with the upholstery removed. Fig. 4<sup>a</sup> is an elevation, and Fig. 5<sup>a</sup> a plan, of the back-supporting mechanism.

The back A of the couch-bed, Figs. 1 to 5, fastened to the frame of the couch by hinges a, Figs. 3 and 4, and provided with the customary cushions on the front, is adjusted on its reverse side as a mattress. On this reverse side are fixed swinging supports b c, covered with material in such a way that they lie on the mattress when the back is upright, Figs. 3 and 5, and, on the other hand, they can be raised with the lowering of the back, and they then serve as head-props or as supports, Fig. 1. The props or cushion-supports b may be held in an intermediate position by the help of the braces d and by notching the back,

and so that the person reclining can take his choice of the supports provided for him. The rail or push-bar B is connected with the ledge or rod C, which bar stretches crosswise of the couch-bed, and its disengaged end runs as far as the couch-frame. The ledge C is fastened to the front part of the side rails D E, Fig. 5, which are joined to the couch-frame by hinges e f. The side rails can be raised sidewise from the front, Figs. 1 and 2, and thus the ledge C, fastened to them, exerts a pressure by this proceeding which pushes the rail or push-bar B against the back A. By this means the back A involuntarily closes on the cushions of the seat, Fig. 1, and now if the head and foot supports b c be raised and the former b be placed in the right place by means of the braces a bed of the normal length is formed, at the head (and at the foot also) of which is a night-table. These night-tables, formed of the upright side rails or arms D E, are shaped like a column and may serve, if provided with a slab, for the reception of the desired object when the sofa-bed is drawn out.

In the above-described complete formation of the couch-bed the adequate length of bed and the automatic opening and folding of the couch have been aimed at by raising the side rails or arms of the couch sidewise; but this effect may also be produced by extending the side rails or arms along the length of the couch, as shown by the complete formation in Figs. 1<sup>a</sup> to 5<sup>a</sup>. The back A is hinged on its lower edge at a to the couch-frame, and is fitted up in the manner already described. The side rails or arms D E, on the contrary, are laid on the couch-frame in suitable manner, so that they may be drawn back lengthwise with the couch, and by this means they turn a disk S, which is in the center of the frame, Figs. 3<sup>a</sup> to 5<sup>a</sup>, and with which it is connected loosely by the links C' C'. The bar or rail B, resting against the back A, is likewise pivotally connected with the disk S and laid in a suitable manner above the frame of the couch.

To form a couch the movable parts are in the position designated by full lines in Figs. 1<sup>a</sup> to 4<sup>a</sup>. If, however, the side rails or arms D E



are drawn out, (see the dotted position, Fig. 1,) disk S will be turned, and the push bar or rail B shifts from the position shown in Figs. 4 and 5 to the dotted position, Fig. 5. Push-  
5 bar B thus presses against the back A and turns it over, Fig. 4<sup>a</sup>, dotted position. The back A falls on the seat-cushion of the couch and turns the mattress side upward. The supports *b* and *c* of the back may be omitted  
10 in this position of the couch, since here the side rail or arm D, having been drawn out, serves as a support for the cushion, and side rails or arms E support the feet.

If I desire to dispense with the service of  
15 the side rails or arms as night-tables, the couch-bed can take the form just described above, and here, also, the main object is attained—viz., the lengthening of the couch to the adequate length of a bed and the easy au-  
20 tomatic backward motion of the back.

What I claim is—

1. In a couch-bed, the combination, with the main horizontal portion, of the back A, hinged thereto, the movable side rails or arms D E, the push-bar B, adapted to engage the  
25 back, and connections between said rails and bar, whereby the movement of the former operates said bar, substantially as set forth.

2. In a couch-bed, the combination, with the main horizontal portion, of the back A, 30 hinged thereto, the movable side rails or arms D E, the push-bar B, adapted to engage the back, and connections, comprising the disk S and links C' C', between said rails and bar, whereby the movement of the former oper- 35 ates said bar, substantially as set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

GUSTAV GOLDSCHMIDT.

Witnesses:

ALEX. SCHOLZE,

GOTTFRIED NIEMÖLLER.