

No. 617,348.

Patented Jan. 10, 1899.

A. NILSON.
COMBINED CHAIR AND BED.

(Application filed Aug. 17, 1898.)

(No Model.)

2 Sheets—Sheet 1.

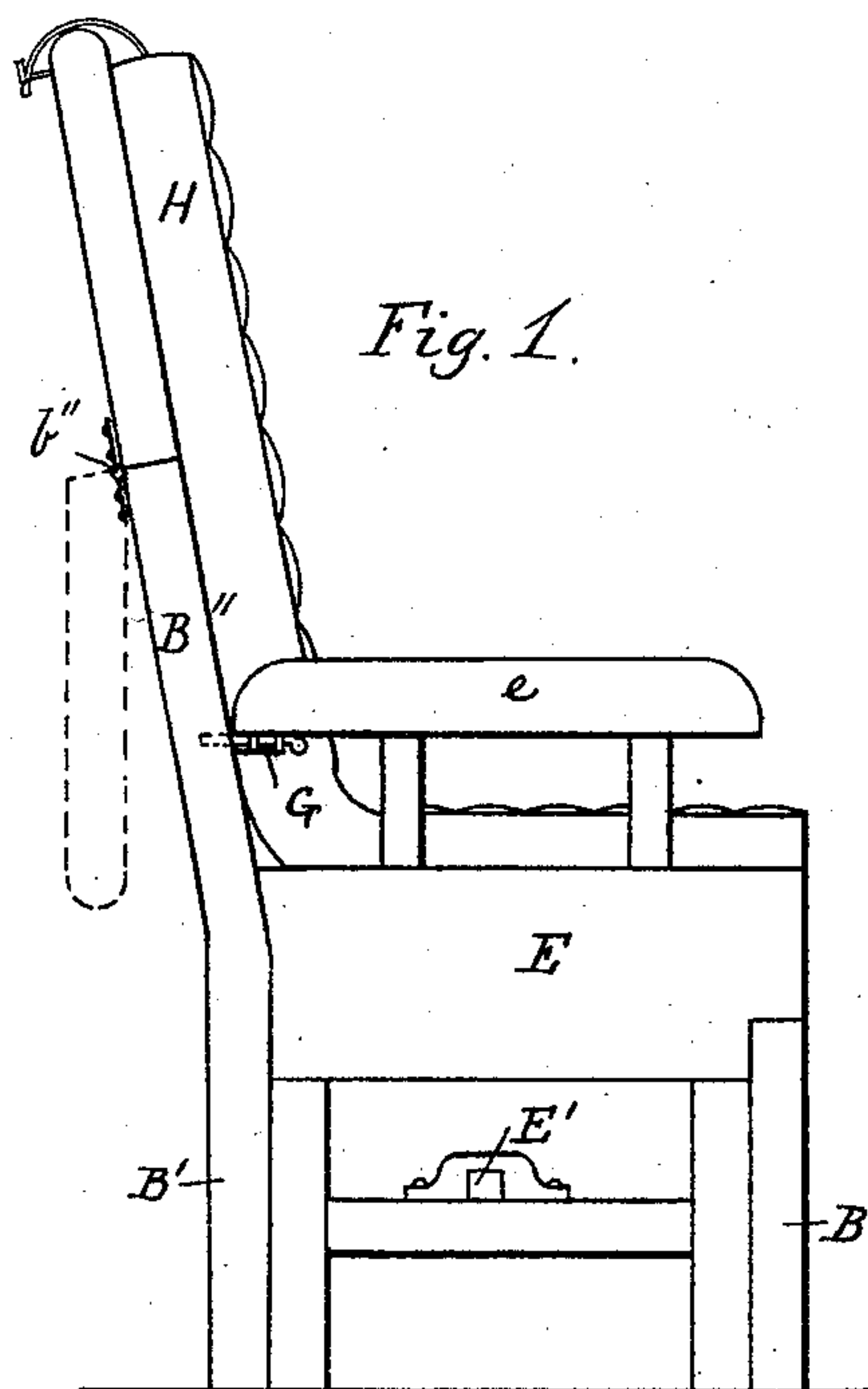


Fig. 1.

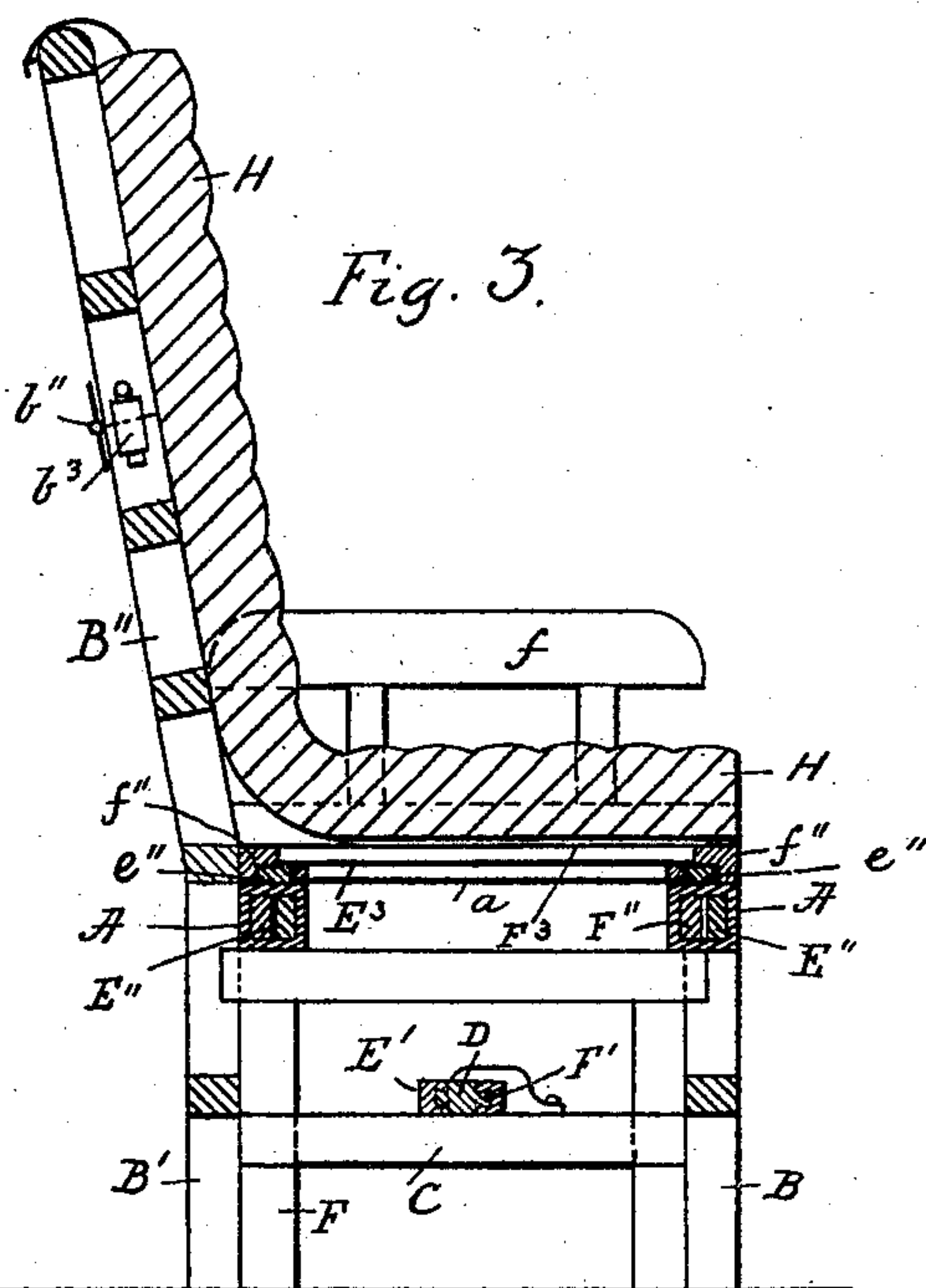


Fig. 3.

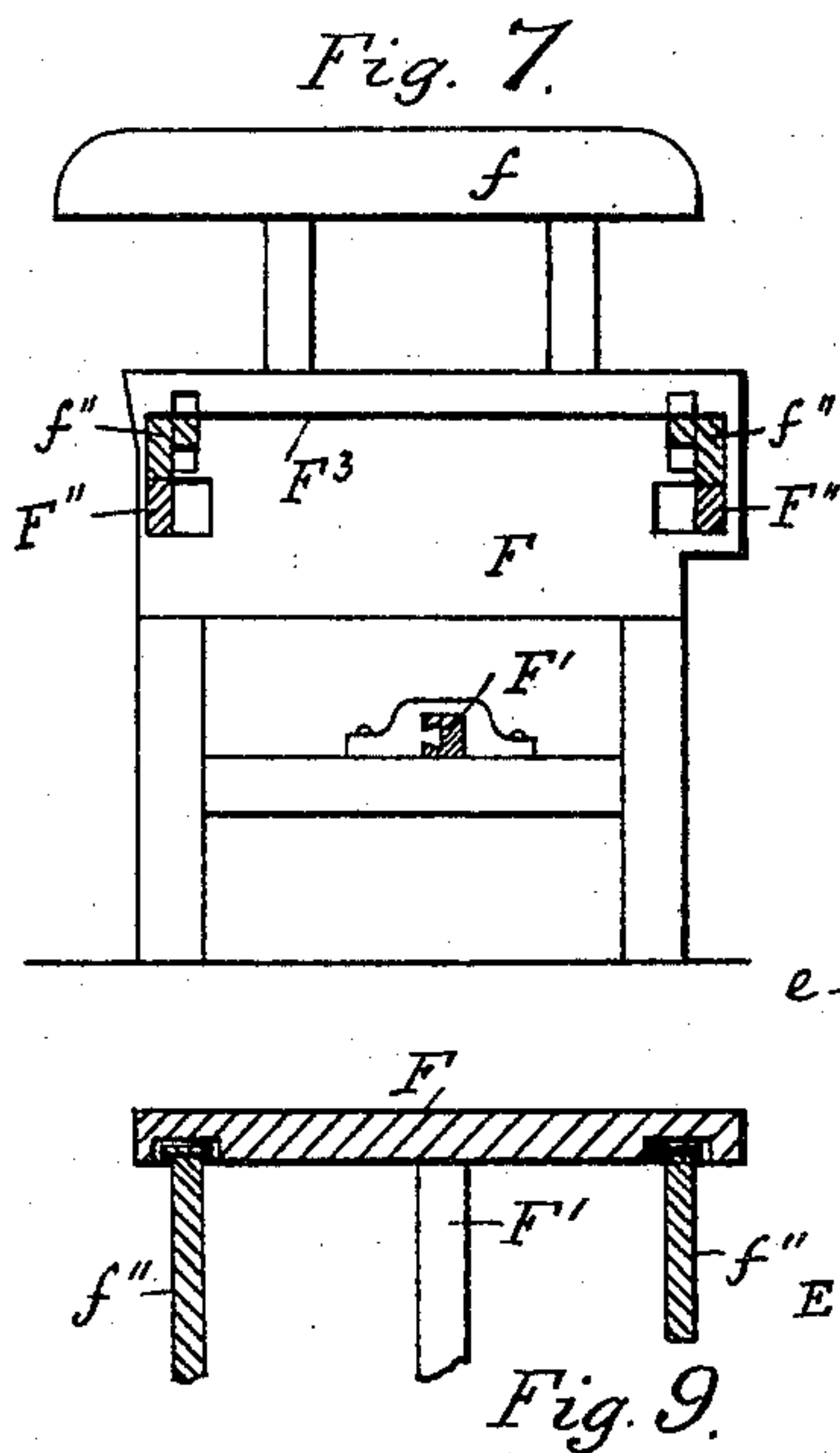


Fig. 7.

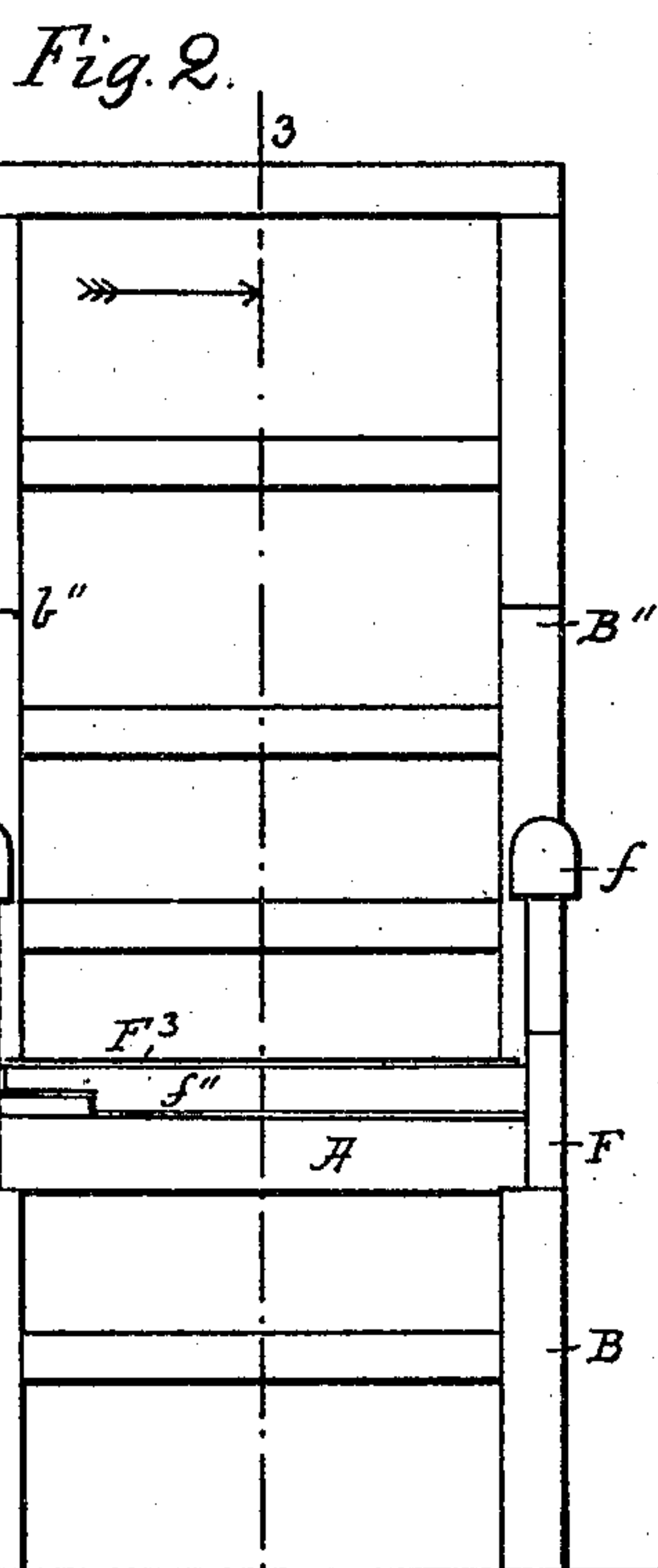


Fig. 2.

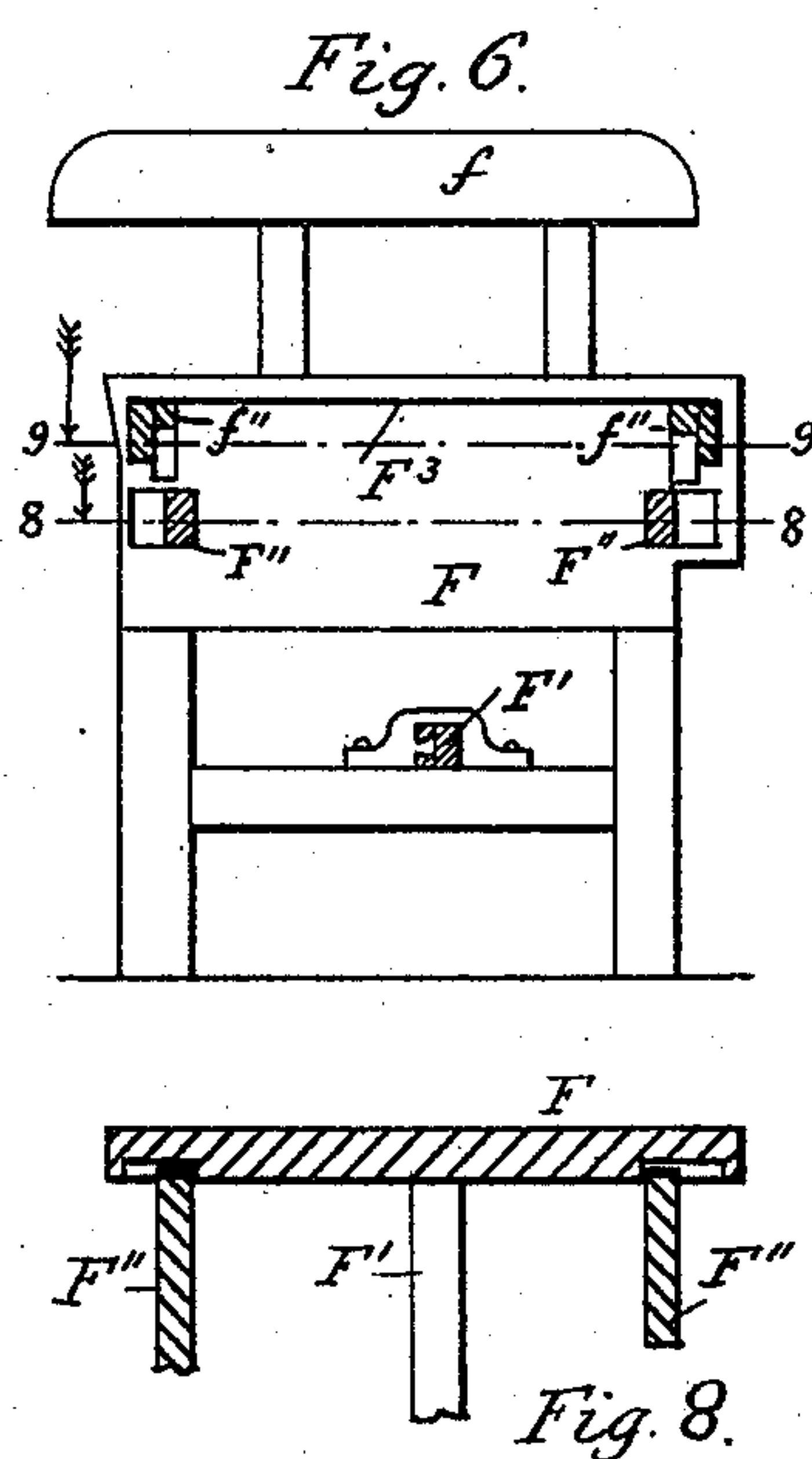


Fig. 6.

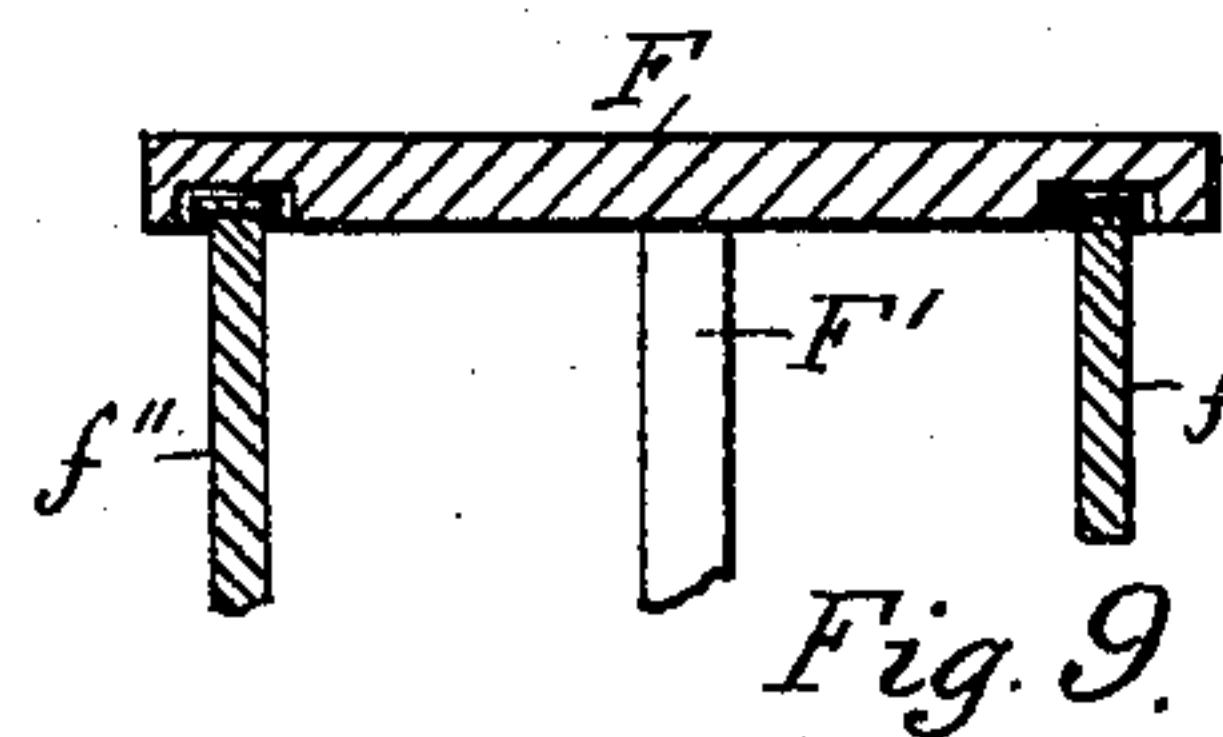


Fig. 9.

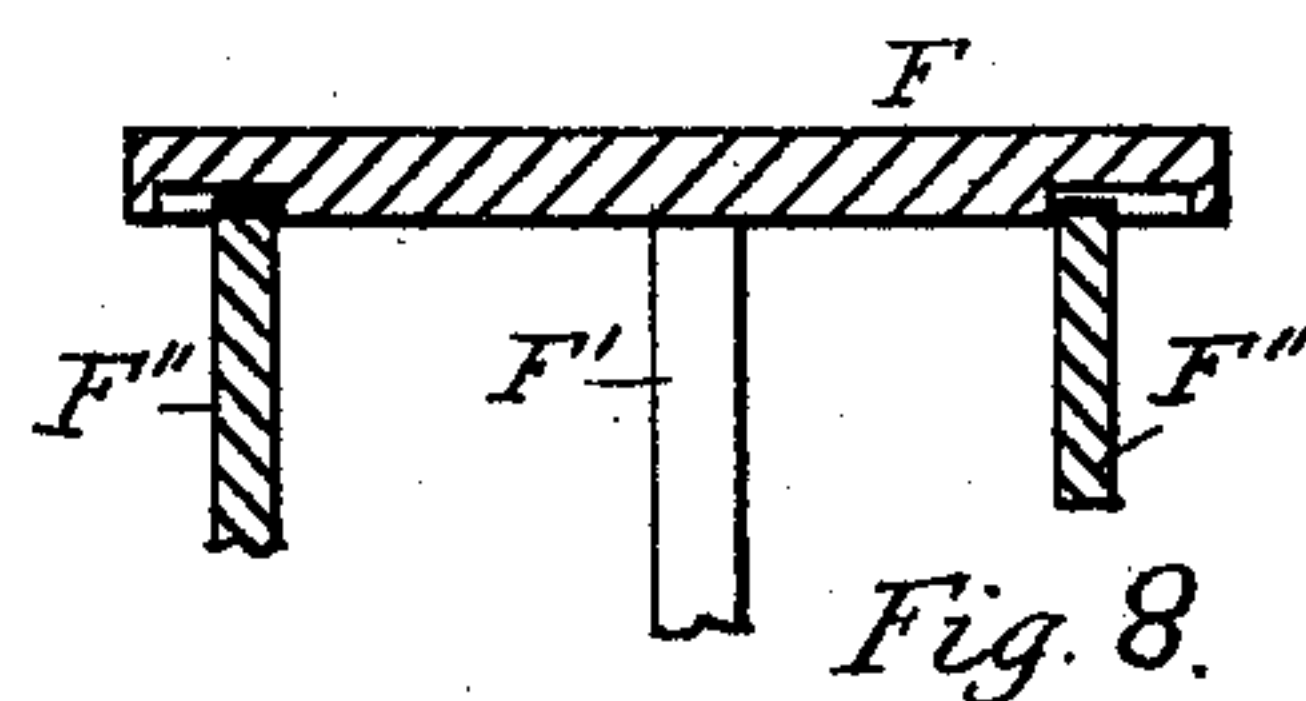


Fig. 8.

Witnesses:

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No. 617,348.

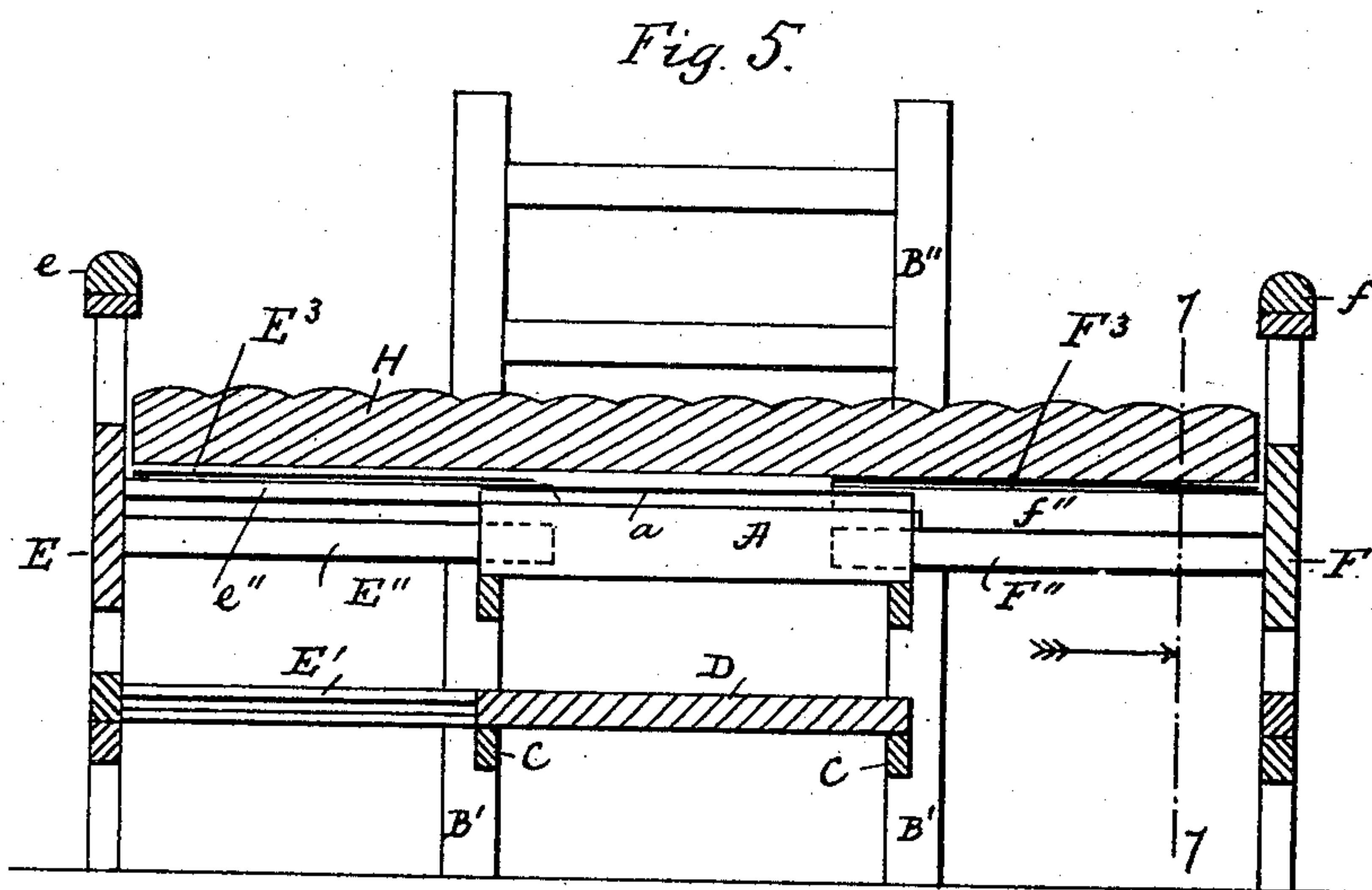
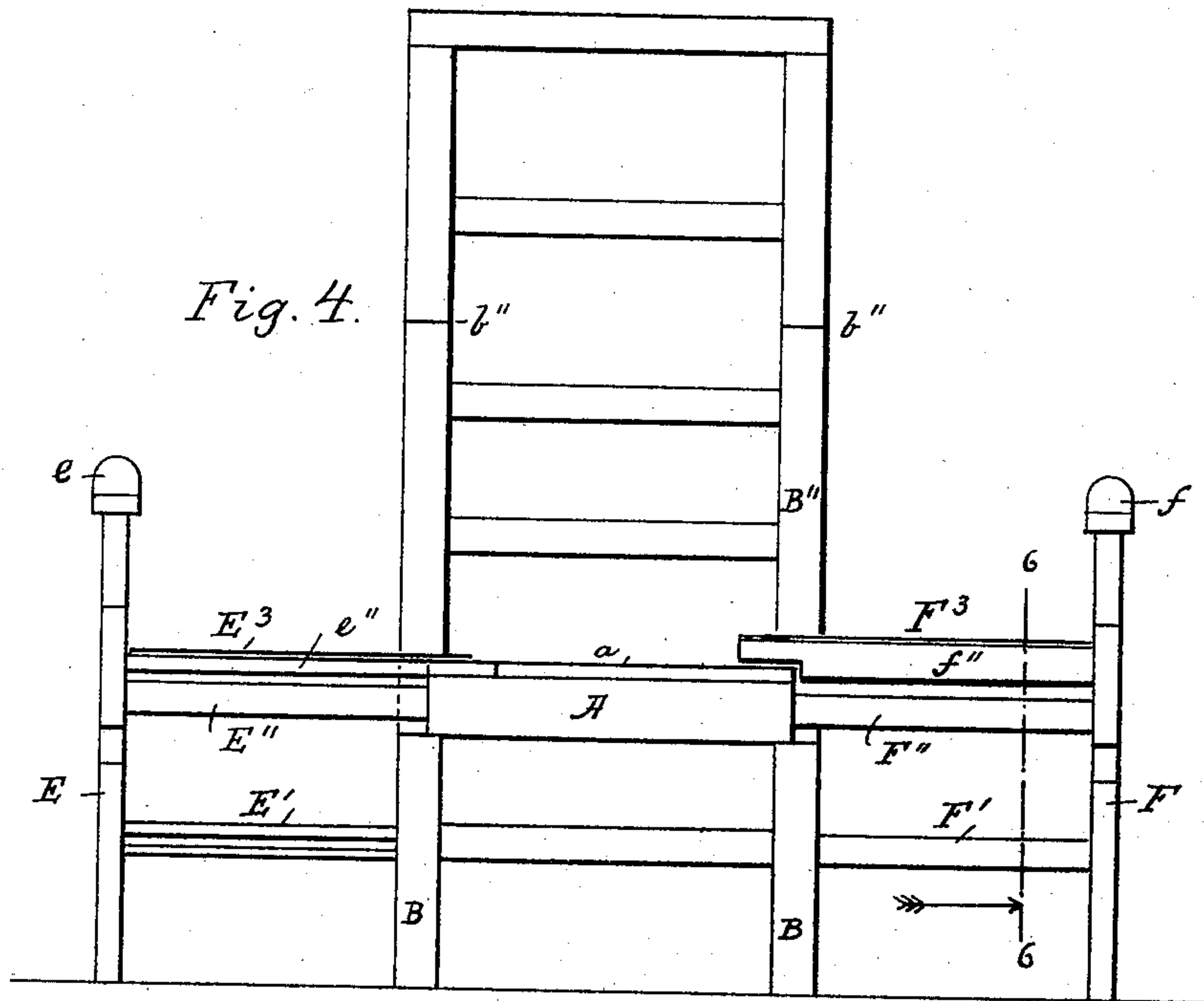
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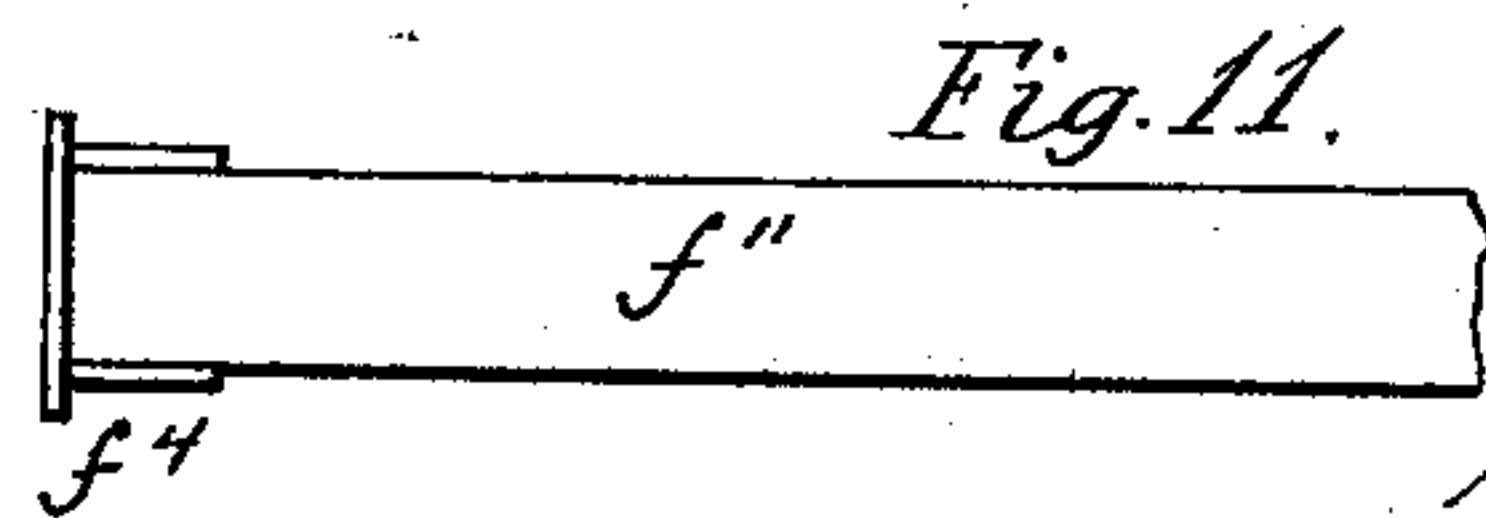
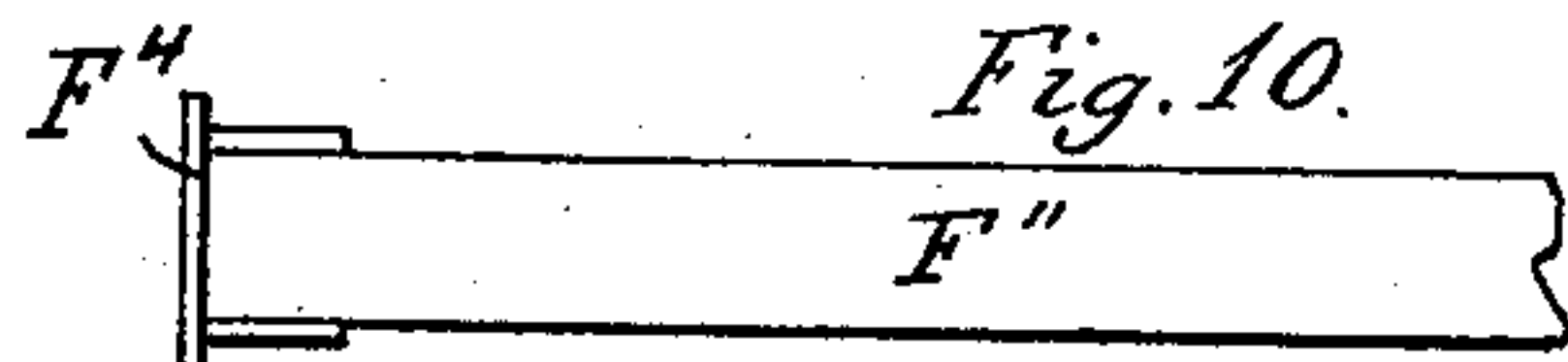
2 Sheets—Sheet 2.



Witnesses:

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Inventor:

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by *Alban Andrén* his atty.

UNITED STATES PATENT OFFICE.

ANTON NILSON, OF NATICK, MASSACHUSETTS.

COMBINED CHAIR AND BED.

SPECIFICATION forming part of Letters Patent No. 617,348, dated January 10, 1899.

Application filed August 17, 1898. Serial No. 688,747. (No model.)

To all whom it may concern:

Be it known that I, ANTON NILSON, a citizen of the United States, residing at Natick, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in a Combined Chair and Bed, of which the following is a specification.

This invention relates to an improved chair and bed combined; and it has for its object to readily convert a chair into a bed or lounge, and is for this purpose very useful in living-rooms, flats, or apartments where room-space is limited.

The invention is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the invention, representing it in use as a chair. Fig. 2 represents a front elevation of Fig. 1. Fig. 3 represents a vertical section on the line 3 3 shown in Fig. 2. Fig. 4 represents a front elevation of the invention, showing the sides expanded preparatory to using the device as a bed. Fig. 5 represents a longitudinal section of the invention when in use as a bed. Fig. 6 represents a cross-section on the line 6 6 shown in Fig. 4. Fig. 7 represents a cross-section on the line 7 7 shown in Fig. 5. Fig. 8 represents a horizontal section on the line 8 8 shown in Fig. 6. Fig. 9 represents a similar section on the line 9 9 shown in Fig. 6. Fig. 10 represents a detail side view of one of the guide-bars, and Fig. 11 represents a detail top plan of one of the stretcher-bars.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A A represent the horizontal seat-rails, to which the respective front and rear legs B B and B' B' are secured.

C C are stays or braces connecting the legs B B' B B', as shown.

Preferably integral with the rear legs B' B' is made the upwardly-extending back B'', which is preferably divided and hinged at b'', so that the upper portion of the back may be swung backward when so desired, as represented in dotted lines in Fig. 1.

In practice I provide the hinged back with a suitable latch or locking device, (shown at b³ in Fig. 3,) so as to secure the upper part of

the back to the lower one when the device is in use as a chair.

To the stays or cross-bars C C is secured a guide-bar D, for a purpose as will hereinafter be described.

To the seat-rails A A is secured, preferably, a sheet of canvas *a*, although as an equivalent therefor I may use wood, ratan, or wire-netting without departing from the essence of my invention.

E and F are the laterally-adjustable sides of the chair, such sides being preferably provided with the respective arm-rests *e f*, as shown. To the lower portions of the sides E F are secured the respective slides E' F', preferably dovetailed in section and adapted to slide out and in on the stationary correspondingly-shaped guide-bar D, as shown in the drawings.

When the device is used as a chair, the arm-rests *e f* are preferably locked to the back B'' by means of suitable fastening devices G. (Represented in Fig. 1.)

The seat-rails A A are made tubular in cross-section, as shown in Fig. 3, and within such tubular rails are longitudinally adjustable the guide-bars E'' E'', secured to the side piece E, as well as corresponding guide-bars F'' F'', attached to the side piece F and laterally adjustable thereon, for a purpose as will hereinafter be described. To the side piece E are also attached stretcher-bars *e'' e''*, adapted to slide on top of the seat-rails A A, and to such stretcher-bars and side piece E is attached a canvas or equivalent mattress-support E³, as shown. To the side piece F are attached the stretcher-bars *f'' f''*, which are vertically adjustable relative to said side piece, for a purpose as will hereinafter be described. To the side piece F and said stretcher-bars is attached a canvas or equivalent mattress-support F³, as shown.

H is a cushion or mattress which is placed on the mattress-supports *a*, E³, and F³ when the side pieces E F are expanded and the device used as a bed, as represented in Fig. 5. When the device is used as a chair, the said mattress H is placed in position, as shown in Fig. 3, and serves while in such position as a cushion for the seat and back of the chair. The stretcher-bars *f''* are each provided in

their outer ends with a T-head f^4 , adapted to be vertically adjusted in a correspondingly-shaped guide-groove on the interior of the side piece F, as shown in Figs. 9 and 11, so as to enable said stretcher-bars f'' to be lowered from the position shown in Fig. 4 to the position shown in Fig. 5, and thus causing the mattress-support F^3 to be placed in a line, or nearly so, with the stationary mattress-support a and the opposite mattress-support E^3 when the device is to be used as a bed, as represented in Fig. 5.

To the outer end of each guide-bar F'' is secured a T-head F^4 , adapted to be laterally adjusted in a correspondingly-shaped guide-groove on the interior of the side piece F, as shown in Figs. 8 and 10, so as to permit said guide-bars to be moved outward to serve as supports for the stretcher-bars f'' when the device is used as a bed, as shown in Figs. 5, 7, and 10.

In practice I prefer to provide the device with suitable stops to limit the longitudinal adjustment of the side pieces, and any suitable or well-known mechanism may be used for such purpose without departing from the essence of my invention.

The operation of the invention is as follows: When the device is used as a chair the side pieces E F are closed, as shown in Figs. 1, 2, and 3. When it is desired to convert the chair into a bed, the sides E F are first moved outward to the position shown in Fig. 4, after which the guide-bars F'' F'' are moved laterally from the position shown in Figs. 6 and 8 to the position shown in Fig. 7, after which the stretcher-bars f'' f'' are moved from the position shown in Figs. 4 and 6 to the position shown in Figs. 5 and 7, causing the stretcher-bars f'' f'' to be supported on the guide-bars F'' F'' and causing the mattress-support F^3 to be brought in a line, or nearly so, with the stationary mattress-support a and the movable mattress-support E^3 , as shown in Fig. 5, after which the mattress H is placed in position on said mattress-supports, as shown in said Fig.

5. If it is desired to convert the bed into a chair, I first move the guide-bars F'' F'' inward from the position shown in Fig. 7 to the position shown in Figs. 6 and 8, after which I raise the stretcher-bars f'' f'' from the position shown in Figs. 5 and 7 to the position shown in Figs. 4 and 6, after which the side pieces E F are closed to the position shown in Figs. 1, 2, and 3, in which position the parts may be locked together by the latches G or equivalent devices.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

1. A combined chair and bed consisting in combination, a central chair-frame having a stationary mattress support and guides A, A and a pair of laterally-adjustable sides having guide-bars and mattress-supporting stretcher-bars provided with mattress-supports, one set of said guide-bars and stretcher-bars being rigidly secured to one of the side pieces and the other set of guide-bars and stretcher-bars being adjustably connected to the opposite side piece and capable respectively of lateral and vertical adjustment, substantially as and for the purpose set forth.

2. A combined chair and bed consisting in combination, a central chair-frame having a stationary mattress-support a , a guide-bar D and tubular guides A, A, an adjustable side piece E having a slide E' , guide-bars E'' , stretcher-bars e'' and mattress-support E^3 , and an opposite adjustable side piece F having a slide F' , laterally-adjustable guide-bars F'' , vertically-adjustable stretcher-bars f'' and mattress-support F^3 secured to the latter, substantially as and for the purpose set forth.

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

ANTON NILSON.

Witnesses:

ALBAN ANDRÉN,
HENRY R. PAGE.