

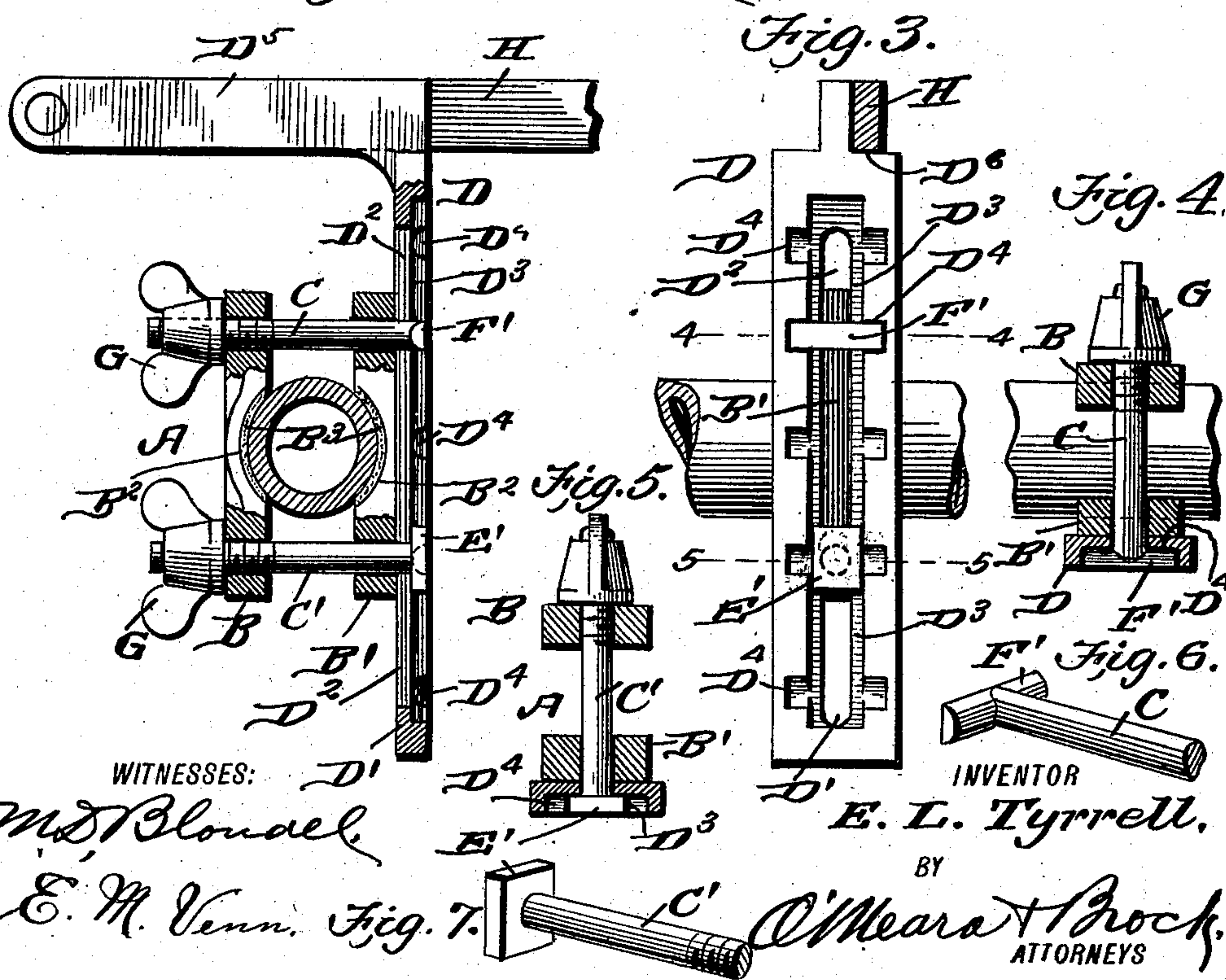
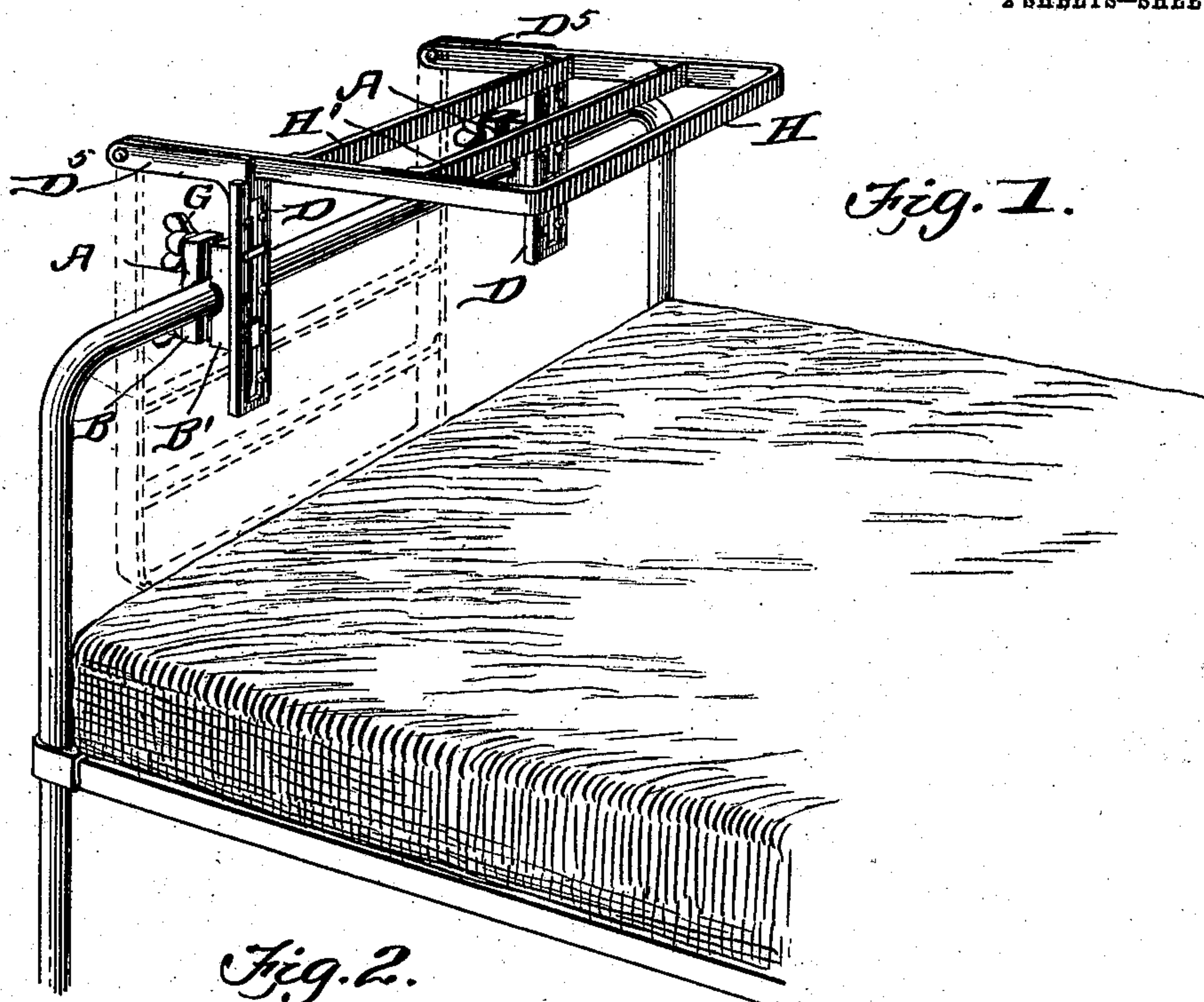
No. 868,037.

PATENTED OCT. 15, 1907.

E. L. TYRRELL.
BEDCLOTHES SUPPORTING DEVICE.

APPLICATION FILED OCT. 17, 1906.

2 SHEETS—SHEET 1.



WITNESSES:

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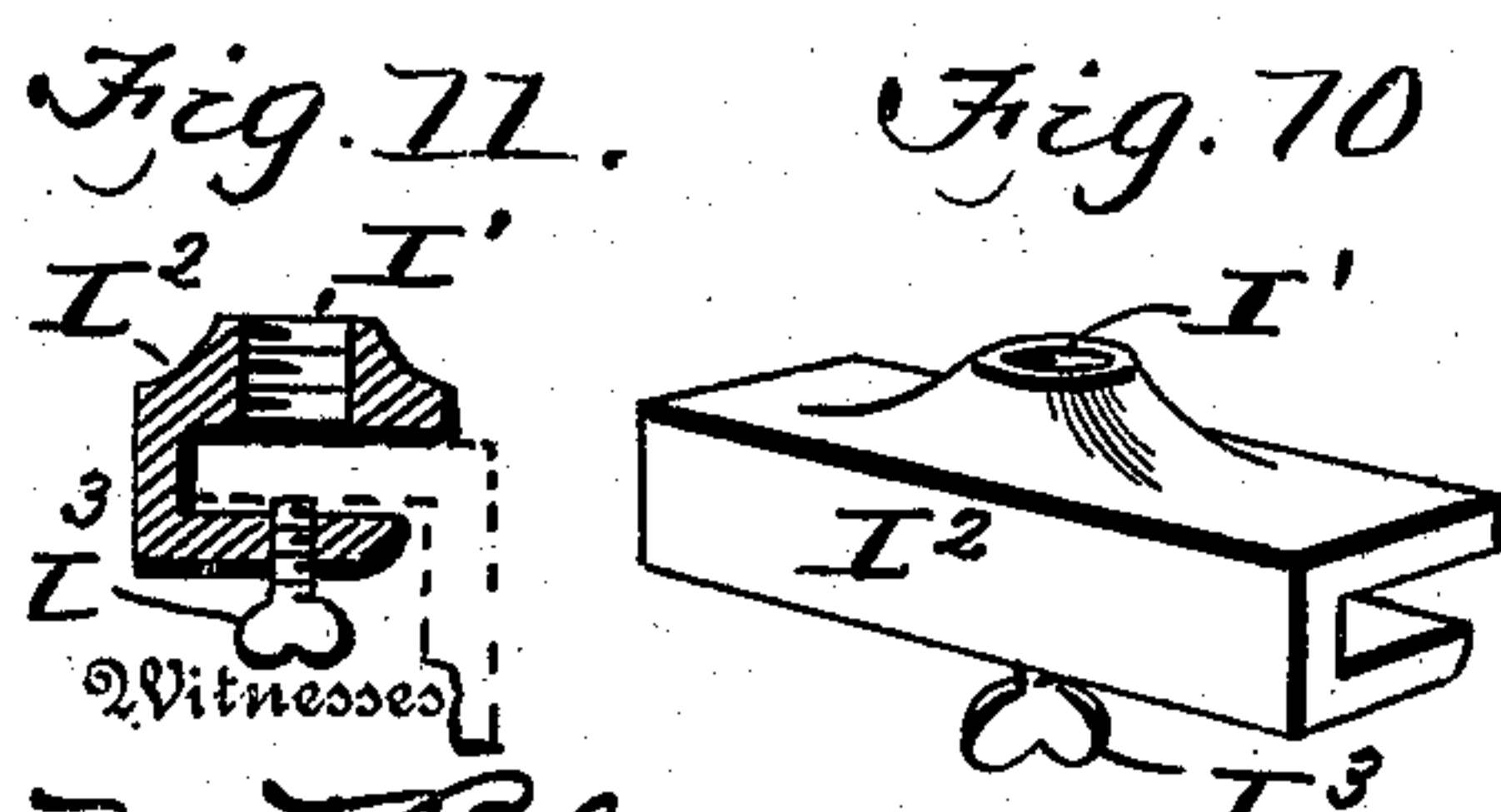
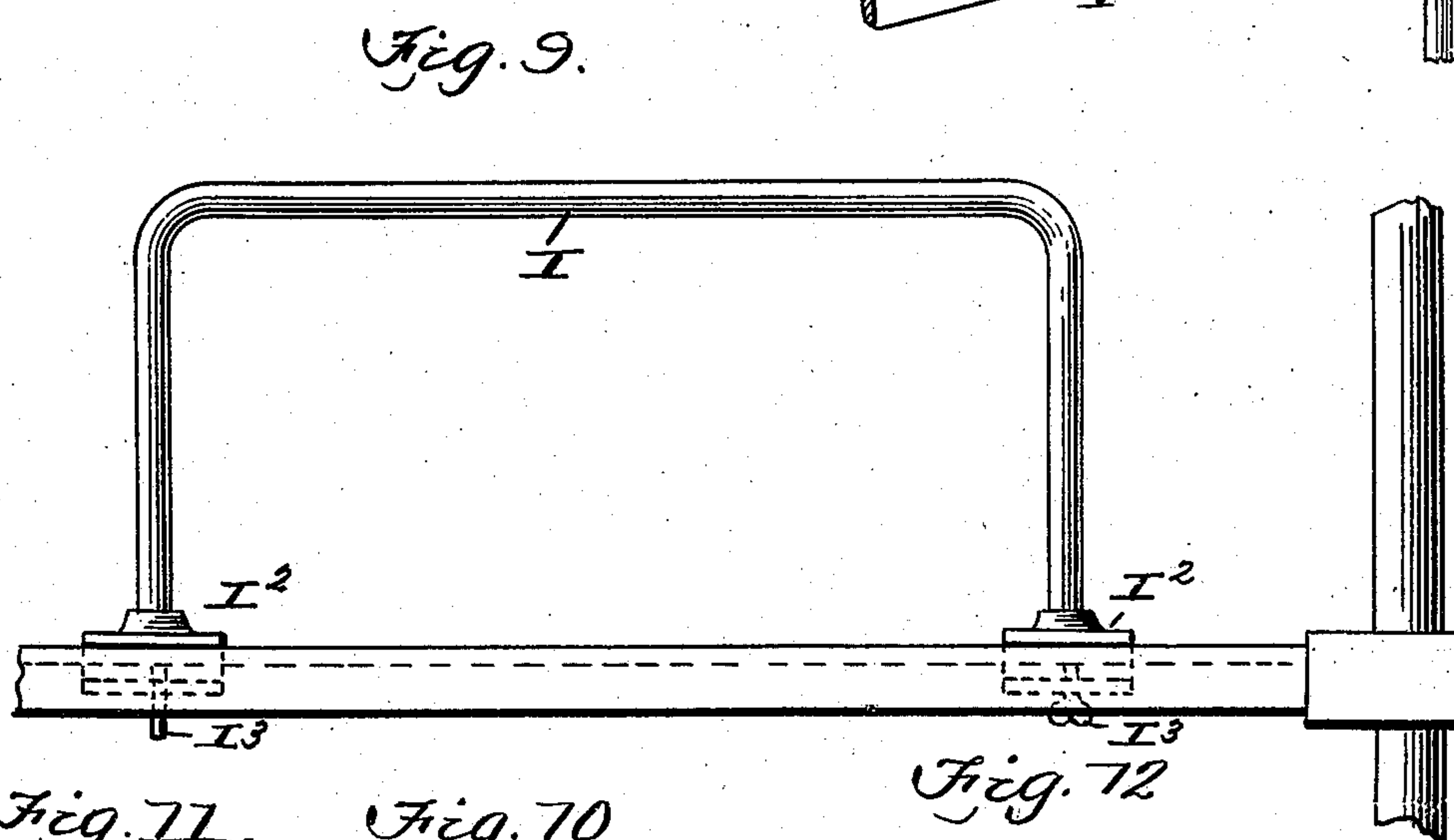
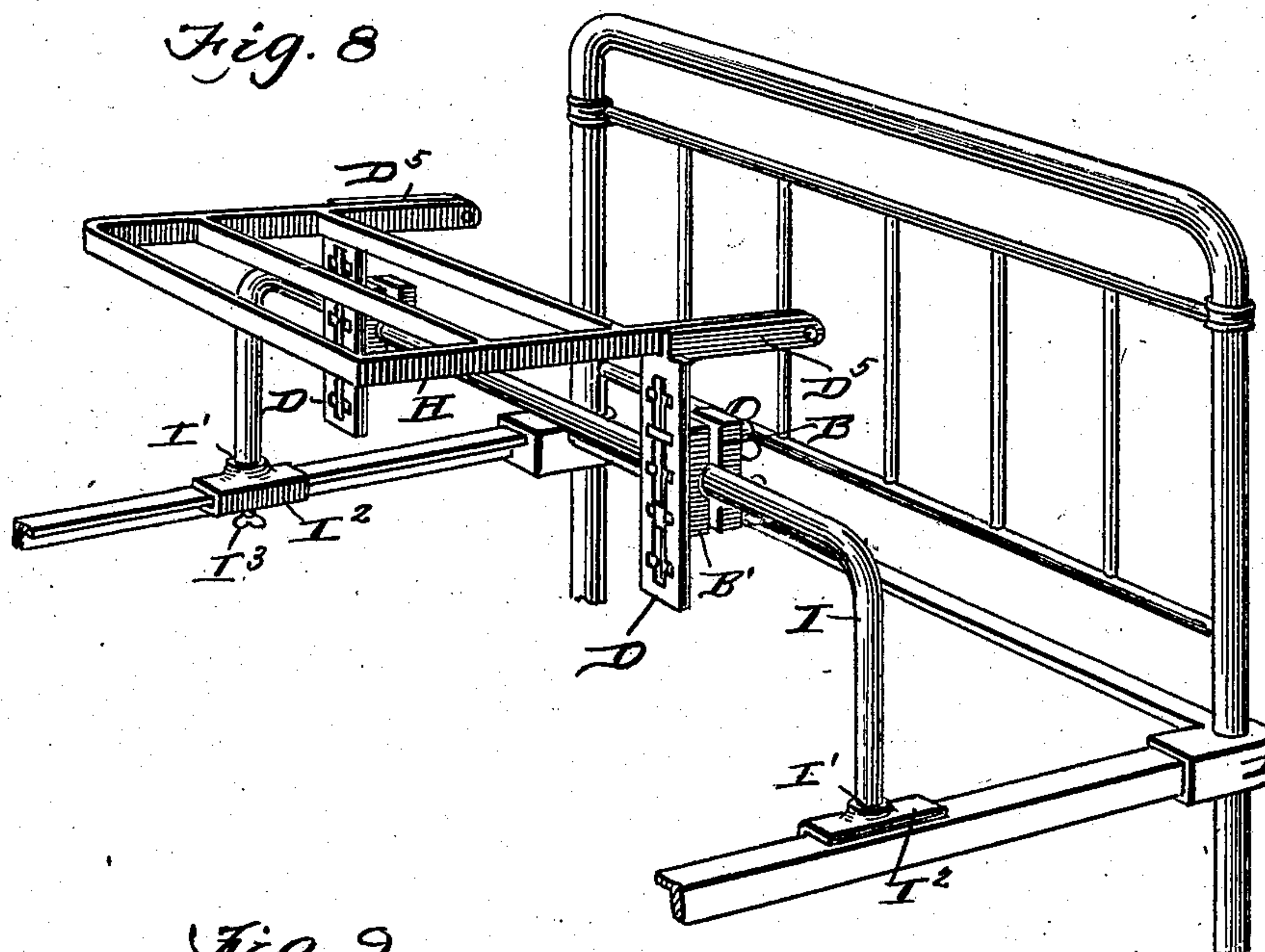
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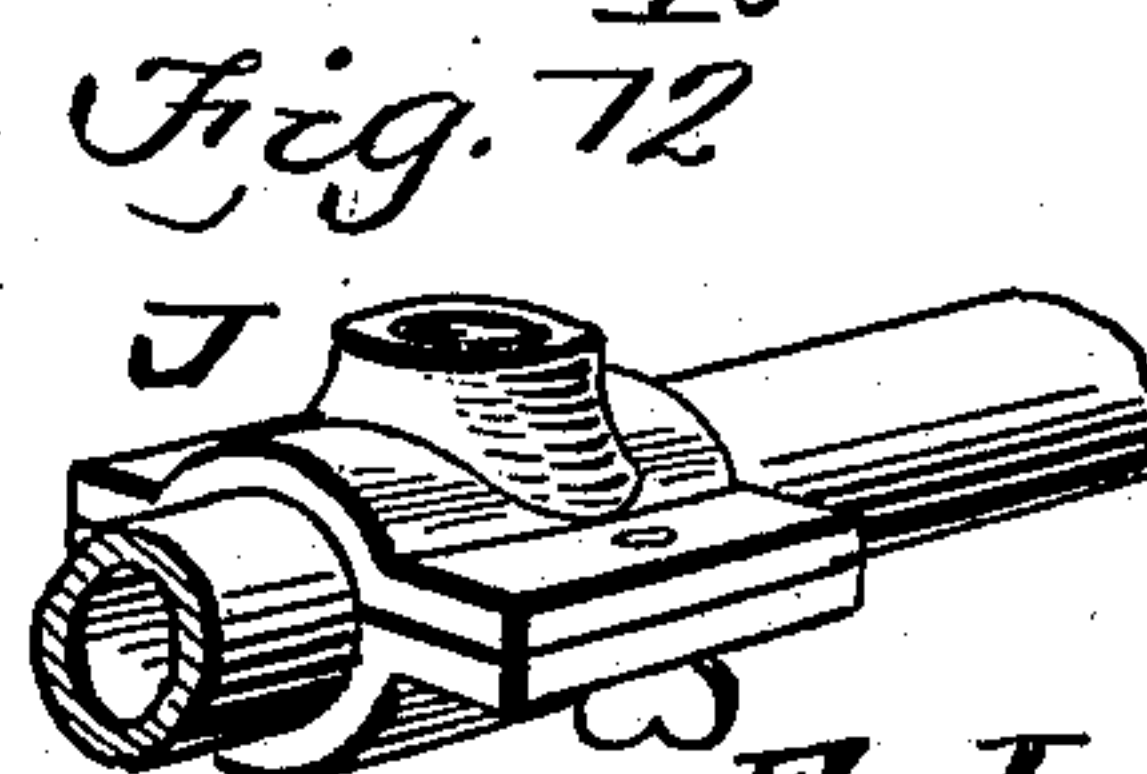
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2 SHEETS--SHEET 2.



2. Witnesses

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Inventor:

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UNITED STATES PATENT OFFICE.

ELMER LLEWLYN TYRRELL, OF GLOVERSVILLE, NEW YORK.

BEDCLOTHES-SUPPORTING DEVICE.

No. 868,037.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed October 17, 1906. Serial No. 339,393.

To all whom it may concern:

Be it known that I, ELMER LLEWLYN TYRRELL, a citizen of the United States, residing at Gloversville, in the county of Fulton and State of New York, have
5 invented a new and useful Improvement in Bedclothes-Supporting Devices, of which the following is a specification.

This invention relates to an improved bedclothes supporting device, especially adapted for use in hospitals and designed particularly for supporting and holding the bed covering in an elevated position so that it will not come in contact with the limbs or body of the patient, and the object of my invention is to provide a cheap, simple, easily operated and highly
15 efficient device for the purposes named.

With these briefly stated objects in view, my invention comprises certain details of construction and peculiar combination and arrangements of parts as will be fully set forth in the following specification and
20 pointed out in the claims, reference being had to the accompanying drawings, in which,

Figure 1 represents my device in position upon the foot of a bed. Fig. 2 is an enlarged sectional elevation drawn through one end of the device. Fig. 3 is a detail front view of one side of the device. Fig. 4 is a detail section drawn on the line 4—4 of Fig. 3. Fig. 5 is a similar view on the line 5—5 of Fig. 3. Figs. 6 and 7 are detail views of the clamping bolts. Fig. 8 is a perspective view illustrating the bracket
30 connected to a supplemental support; in this view the said support is shown connected to both of the side rails of the bed, and Fig. 9 is a detail side elevation illustrating the supplemental support connected to one of the side rails of the bed. Figs. 10 and 11 are
35 detail views of the base to which the ends of the supplemental support are connected and Fig. 12 illustrates a form of base used when my device is connected to beds having round or tubular side rails.

In carrying out my invention, I employ two clamps proper A, constructed especially for engagement with the foot-rail of a bed but which may be readily adapted for engagement with the side rails of a bed. Each clamp comprises two blocks B, and B', having centrally disposed semi-circular recesses B², in which
45 are held suitable felt or rubber cushions B³, that engage the rail of the bed, and prevent defacement thereof. Each block also has its ends perforated, for the reception of clamping bolts C, and C', by which bolts sliding brackets D and the blocks are secured in position.
50

The brackets D, are substantially L-shaped, and the vertical portion D', of each is longitudinally slotted as at D², and upon each side of the slots is a slight depression which forms a race-way or groove D³, in which are
55 adapted to fit and slide non-circular head-portions E', of clamping bolts C'. Communicating with the race-

way of the brackets are a series of grooves D⁴, formed in the face of the vertical members D', and in these grooves, the heads F', of the T-shaped bolts C, are adapted to fit. This arrangement of clamping the
60 brackets to the block B', permits of a ready adjustment thereof without necessitating the complete removal or dissembling of the device as a whole, and it will be readily seen that by loosening the thumb-nuts G—G, upon the bolts, the brackets may be moved up
65 or down as occasion requires. It may be stated, however, that in adjusting the brackets, it is only necessary to slightly loosen the thumb nuts upon the bolts C', and only necessary to loosen the nuts upon the bolts C, enough to permit the heads to be dislodged from the
70 grooves when the brackets may be adjusted to the proper height, and then by tightening the nuts upon the bolts, the clamps and brackets are simultaneously clamped in position.

To the free ends of the horizontal members D⁵, of the
75 brackets is pivoted a frame H, that is designed to support the bed-clothes, and this frame is substantially U-shaped in construction and has one or more connecting members H', which extend across the frame and connect the side members thereof. The extreme ends of
80 the horizontal members, are perforated to receive bolts which also pass through the perforated ends of the brackets.

By pivotally connecting the frame to the brackets, the former may be readily swung over to lie in a suspended position in front of the foot of the bed, as shown in dotted lines in Fig. 1 of the drawing, where it will be completely out of the way while the injured limb or body of the patient is being dressed, and when desired for use, it may be readily swung over the bed, in
90 which position the sides of the frame engage shoulder portions D⁶, formed at the top of the vertical members which will support it in a horizontal position.

As before stated, my device is particularly adapted for use in hospitals for supporting the bed-clothing and
95 preventing the latter engaging the injured limb or body of the patient, and in operation when the device is adjusted in position as shown in Fig. 1 of the drawing, the end of the blanket is stretched across the frame where it will be held from engagement with the limb
100 or body of the patient and as is generally the case in such devices, a second blanket is thrown over the frame, and foot of the bed to prevent a circulation of air or a draft striking the patient.

In view 8 I illustrate my device supported by a supplemental frame I, substantially U-shaped and the ends of the parallel portions are threaded to fit into threaded sockets I' carried by the base portion I², said base portions being substantially U-shaped to fit over the side rails of the bed and are held in position by clamp
105 screws I³.

In Fig. 12, I illustrate a base J such as is used upon

tubular bed rails. A supplemental frame is employed when it is desired to lift the bed-clothing from the body of the patient or when the device is used as a book rest or table as will be readily apparent.

- 5 From the foregoing, it will readily be seen that I employ an exceedingly cheap, simple, and highly efficient device for the purpose stated, and while I have shown the device arranged upon the foot-rail of a bed to support the blanket above the feet, it will
10 be understood, the device may be as easily adjusted upon the side-rail to support the blanket and bed covering from contact with the body or arms of a patient.

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

1. In a device of the kind described, the combination with clamping members, of L-shaped brackets, the vertical portion of the L-shaped brackets having a slot, a race-way surrounding the slot, and grooves communicating with the
20 race-way, bolts extending through the clamping members, one set of bolts having a non-circular head, that are adapted to fit the race-way, and the other set of bolts having T-heads, which fit the grooves, and a frame pivotally connected to the horizontal portion of the brackets.
- 25 2. In a device of the kind described, the combination with a bed-rail, of clamps having the semi-circular portions to fit the rail, and perforated ends, L-shaped brackets connected to the clamping members, said brackets having their vertical members slotted, the front face provided
30 with a race-way, and grooves communicating with the race-way, bolts for connecting the brackets to the clamping members, and the clamping members to the bed-rail, one set of bolts having non-circular heads to fit the race-way

and the other set of bolts having T-heads to fit the grooves, said bolts projecting through the slots of the brackets and the perforations of the clamping members, nuts operating
35 upon the bolts and bearing against the opposite member of each clamp, and a frame pivotally connected to the horizontal portions of the brackets, substantially as specified.

3. In a device of the kind described, the combination with clamping members designed to fit the rail of a bed, of brackets held to the members, said brackets having slots and race-ways adjacent the slots, and grooves communicating with the race-ways, a shoulder formed upon the brackets, bolts engaging the brackets and clamping members,
45 and a frame pivotally connected to the brackets and adapted to rest upon the shoulders of the bracket when in an operative position.

4. In a device of the character described, a tubular supporting frame comprising a horizontal portion, and oppositely disposed perpendicular portions, clamping members for engaging the side rails of a bed, located on the extremities of said perpendicular portions, clamping members
55 having their inner faces recessed and cushioned to fit the horizontal portion of said frame, brackets having centrally disposed longitudinal slots formed therein, said brackets also having recesses formed in their outer faces and surrounding said slots, and transverse grooves communicating with said slots, bolts extending through said clamping
60 members and said brackets, one set of bolts having heads adapted to work in said recesses and the other set of bolts having heads adapted to fit in said transverse grooves and a frame pivotally connected to the bracket, substantially as described.

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Witnesses:

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