

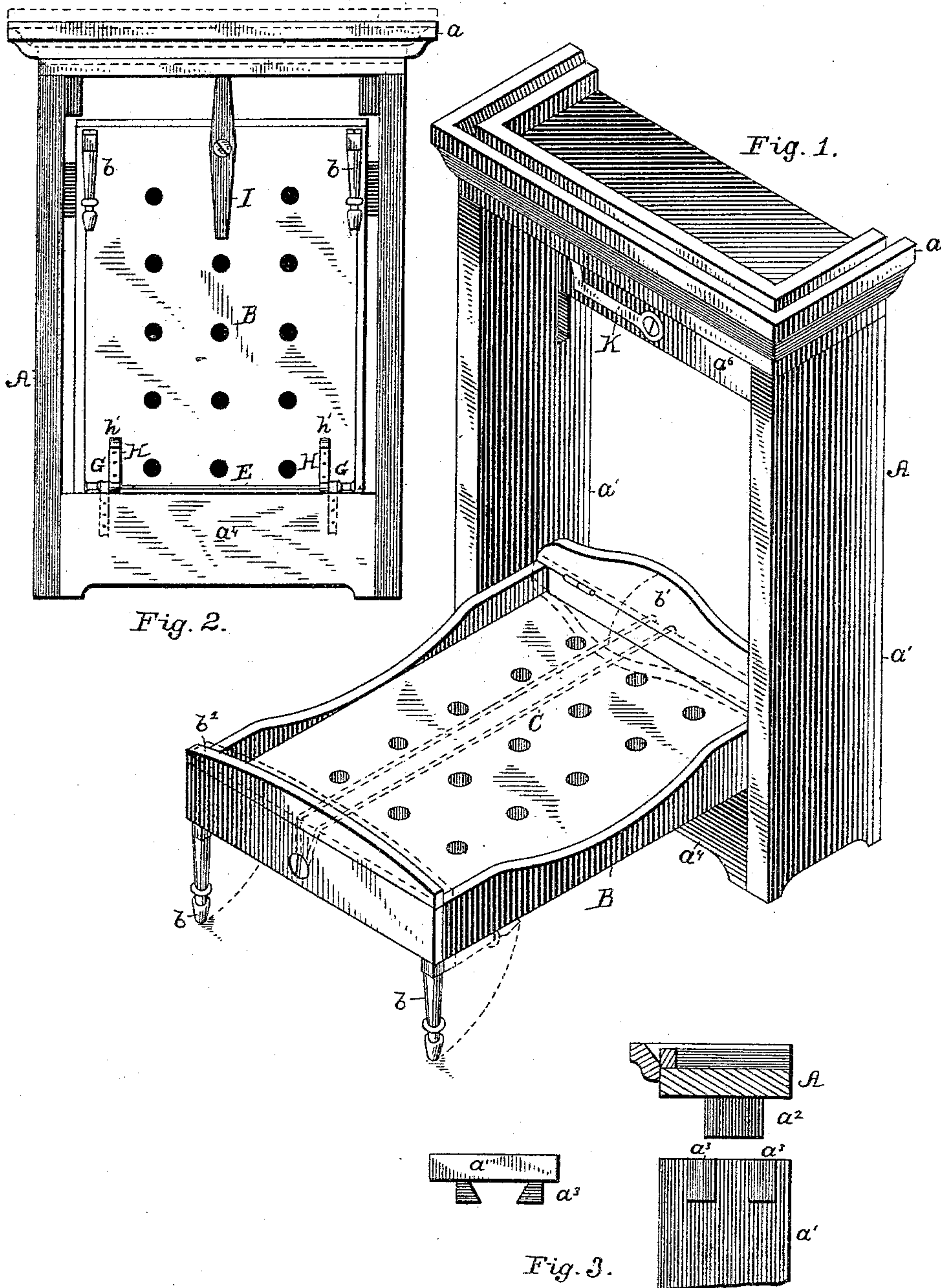
(No Model.)

2 Sheets—Sheet 1.

H. C. BROWN.  
WARDROBE BEDSTEAD.

No. 411,641.

Patented Sept. 24, 1889.



Witnesses  
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Inventor  
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By his Attorney  
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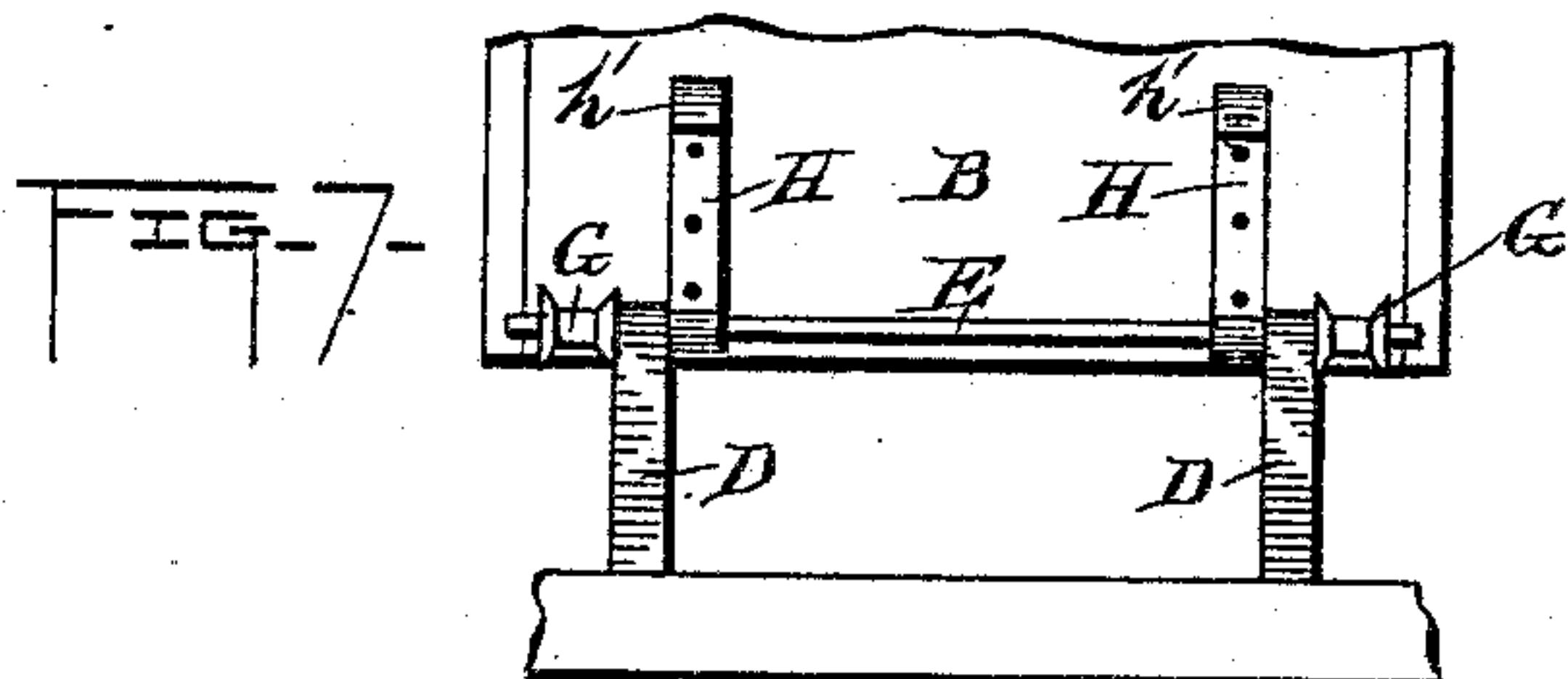
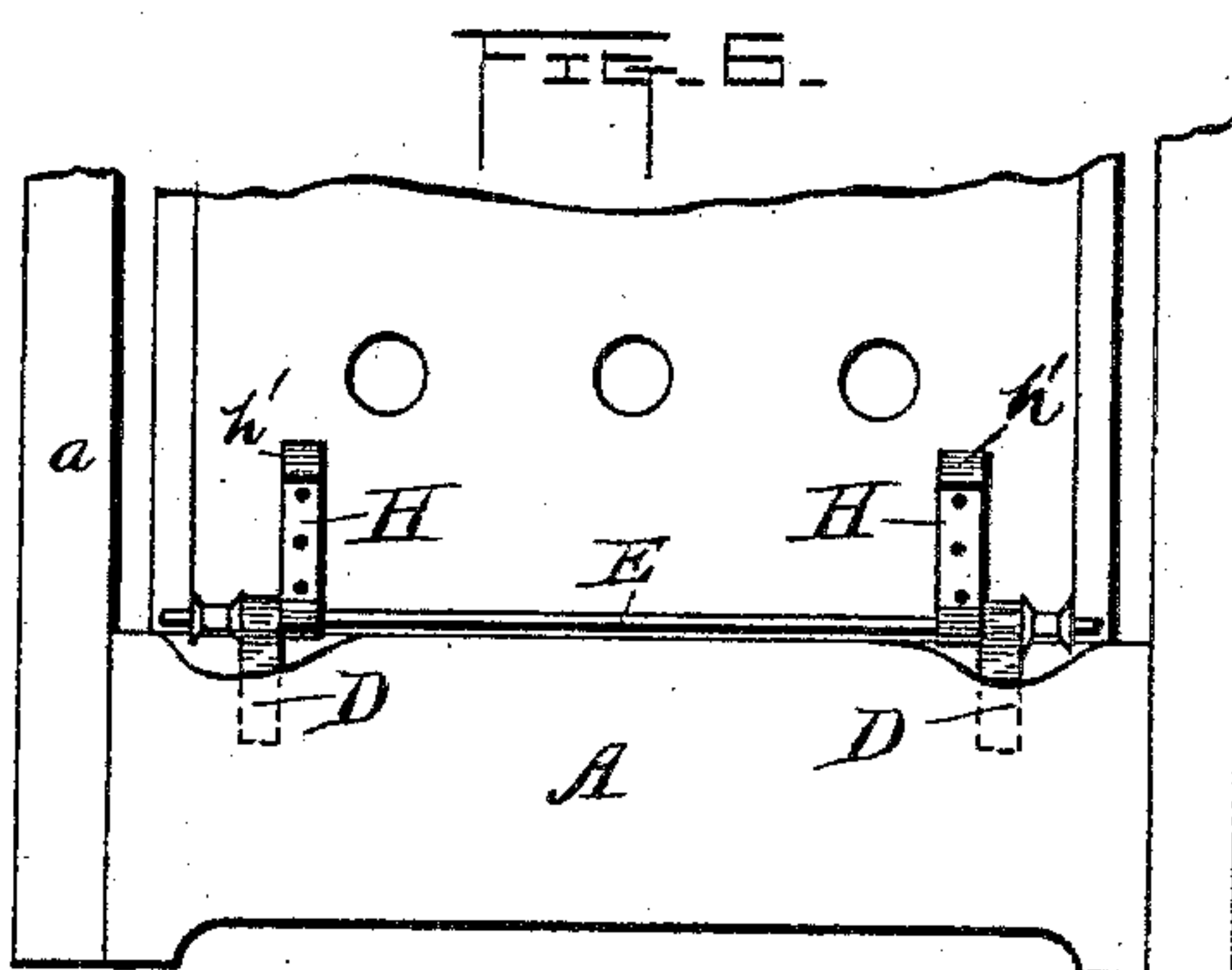
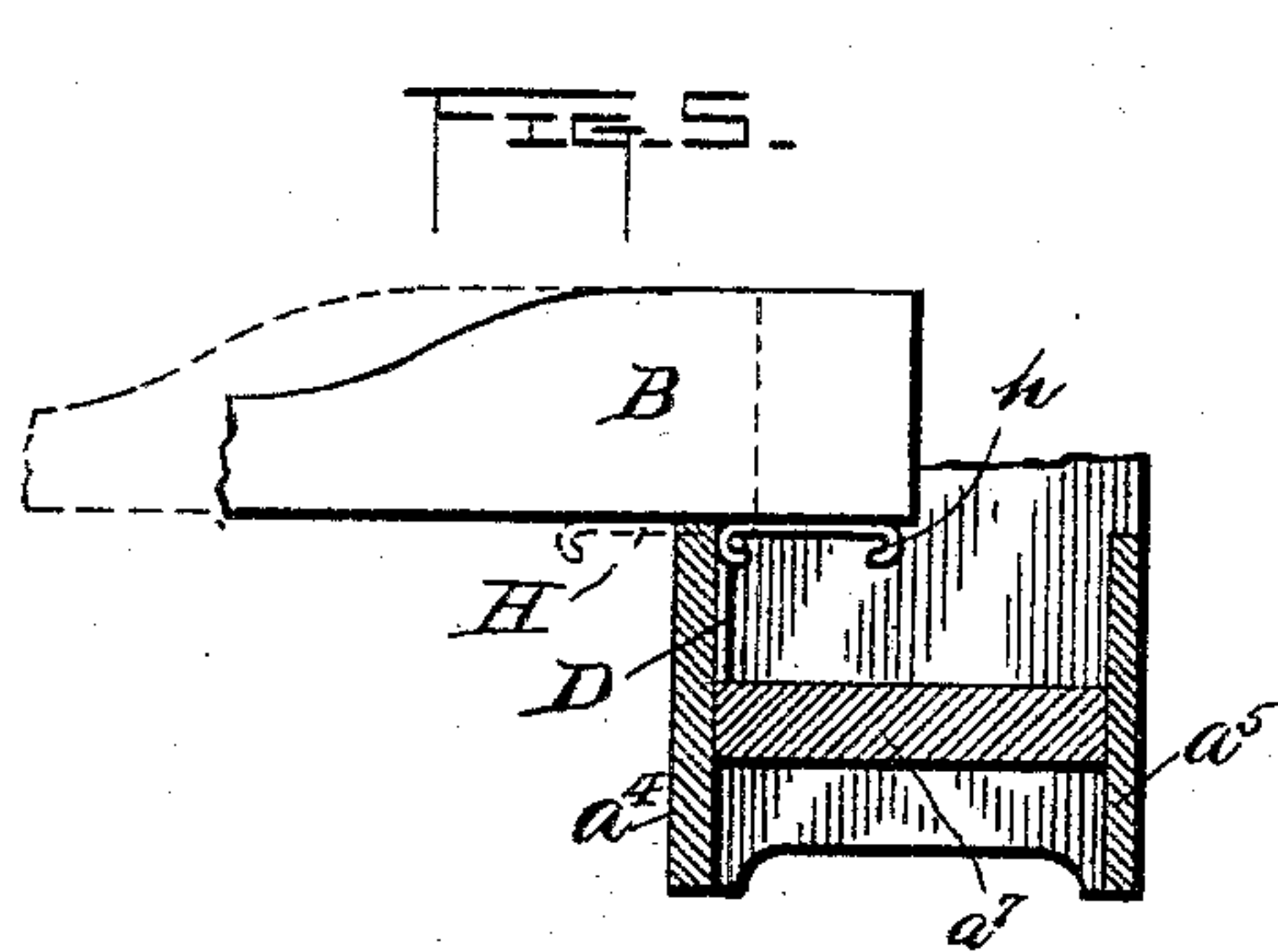
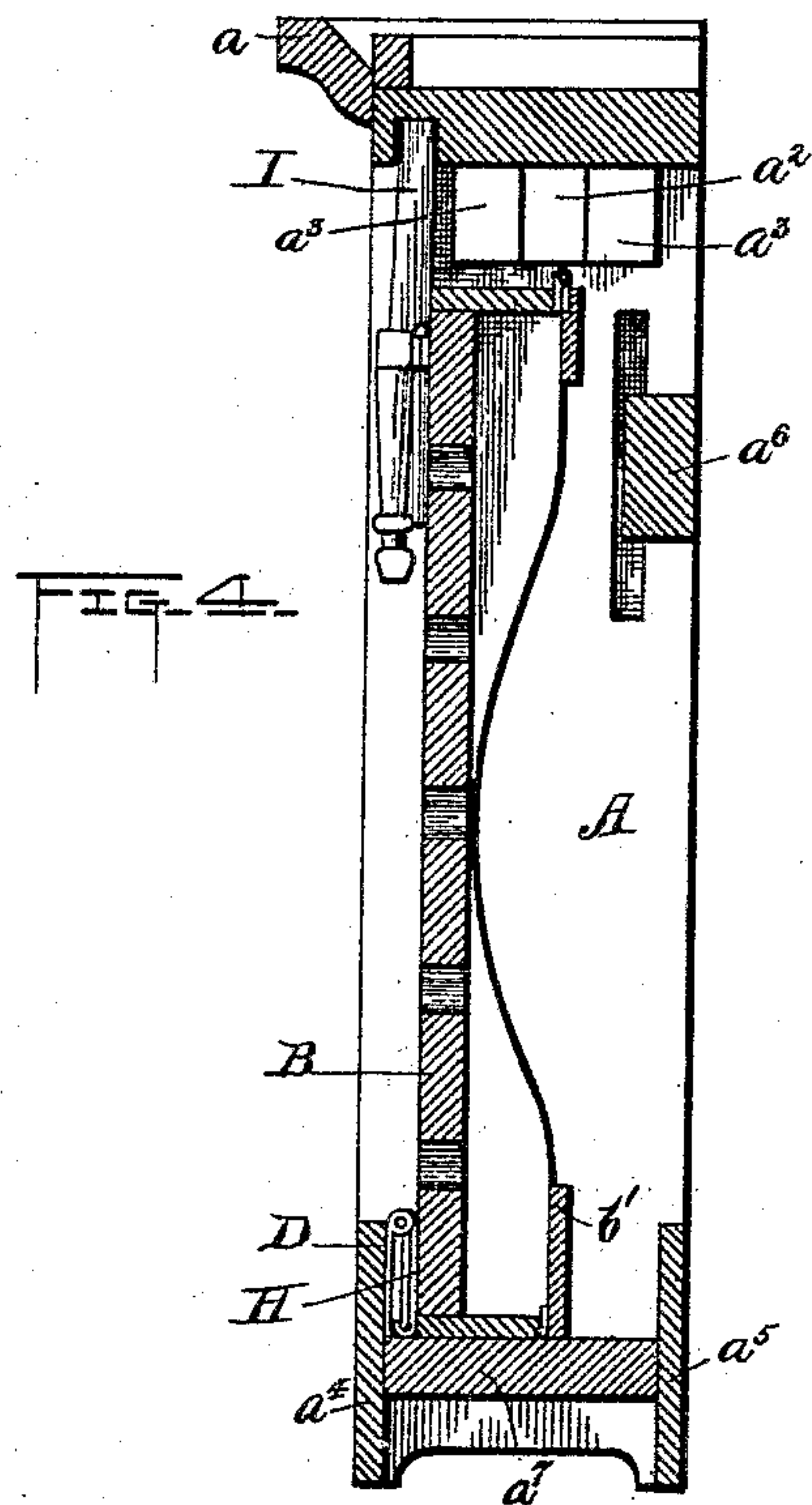
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2 Sheets—Sheet 2.

H. C. BROWN.  
WARDROBE BEDSTEAD.

No. 411,641.

Patented Sept. 24, 1889.



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# UNITED STATES PATENT OFFICE.

HENRY CLAY BROWN, OF NORTH SPRINGFIELD, MISSOURI.

## WARDROBE-BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 411,641, dated September 24, 1889.

Application filed February 26, 1887. Serial No. 228,984. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY CLAY BROWN, a citizen of the United States, residing at North Springfield, in the county of Greene and State of Missouri, have invented certain new and useful Improvements in Wardrobe-Bedsteads; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Figure 1 is a perspective view of the device as when in use, the mattress and bedclothes being removed. Fig. 2 is a front elevation showing the bed folded into the case; Fig. 3, a detail in elevation and section showing how the removable top fits into the side pieces; Fig. 4, a vertical cross-section to show ventilating-space when bed is folded up. Fig. 5 is a detail in partial section showing the construction whereby the bed-frame can be slid to or from the case, according as it is to be folded up or extended. Fig. 6 is a detail in elevation showing how the rollers are applied. Fig. 7 is a detail of the straps on which the bedstead is movable.

This invention relates to that class of devices known as "wardrobe-bedsteads;" and the points of novelty consist in the method and means for hinging the bedstead to its case and in the means by which it can be moved back and forth, as in folding it up or in extending it for use, and in the construction and combination of the several parts, as will now be more fully set forth, and pointed out in the claims.

In the accompanying drawings, A denotes the upright case or frame, showing, when the device is folded into its most compact form, the external appearance of a wardrobe, and B the bedstead, which is suitably hinged or connected with said frame or case, as will be hereinafter explained, whereby the bedstead may be folded into said frame or case, or turned down therefrom, when so desired, for use. The frame A may be of any ordinary construction; but its top part  $a$  is adapted to be fitted into the side pieces  $a'$  by the dovetail projections  $a^2$ , which fit into corresponding sockets  $a^3$  on the inside of the uprights  $a'$ .

If desired, at the lower ends of the case A there may be provided casters, in order to move it freely.

At the outer ends of the bed-frame are provided the folding legs  $b$  and the head and foot boards  $b'$ , the upper parts of each of which are also hinged. This construction of the bedstead is not only of advantage in enabling it to be folded completely within its case, but also, when it is so folded, the hinged parts of said head-board and foot-board will be pressed down against the top and bottom of the bedclothes, and thus retain them all nicely and smoothly in position.

For the purpose of more securely holding the clothes in place the elastic strap C, which is confined at one end to the head of the bedstead, is stretched tightly over the folded part of the head and foot boards and secured to the foot-board of the bed; but two or more straps can be used. If desired, these can be put crosswise of the bed.

On the inside of the front lower rail  $a^4$  of the case and at each end is secured an eye-strap D, through which the ends of the metal rod E pass. Upon this rod toward each end is a flanged metal roller G. Upon the bottom of the head of the bedstead at each side is secured a metal strap H, having bent or hooked ends  $h'$ . These straps constitute ways upon which the bedstead as it is placed within its case may be slightly pushed backward, and, again, when the bed is turned down for use, for slight forward movement of the bedstead. The limit of these movements is prescribed by the bent ends  $h'$  of said pieces H. In the movements the rollers G assist materially, because the under side of the bedstead is supported by and easily moved upon them in being pushed in or pulled out. These rollers are confined within proper limits by being each placed between the flanged ends of the rod and the strap D. In the mere detail of the method of hinging and providing for the forward and backward movement of the bed-frame, as above suggested, there may be many mechanical changes, which will not in any essential degree be different, either in construction or function, from what has been above described. When the bedstead is



turned down for use, the head will be supported on the front rail  $a^4$  of the case or frame A.

The back of the case A is preferably left open, as shown in Fig. 4, in order to provide for free ventilation, and in order to secure the largest available space between the bed when folded into the case and the wall the hinging of the bedstead to the front rail  $a^4$  is so arranged that when the bed is folded in the position shown in Fig. 4 it comes close to the front of the case, and there is comparatively a wide space between it and the rear part of the case, and thus ample space is provided to attain the said end. This is a point of very great importance in devices of this description, as thereby not only is the bed kept in a sweet condition, but in a sanitary point of view it is of the greatest consequence.

In addition to connecting the side pieces of the case A by means of the top part  $a$  and the lower rails  $a^4$  and  $a^5$ , I find it in some instances advantageous to provide on the back and midway between the top and bottom the bar  $a^6$ , adjustably attached at its ends to said side pieces. This will make the structure more firm and will not add particularly to its cost nor interfere with the ventilation above spoken of.

When the bedstead is turned up and folded into the case, it will by its own gravity, as it rests between the front and rear rails  $a^4$   $a^5$  and upon the lower end piece  $a^7$  of the frame, remain securely in position against any ordinary jar of the house or disturbance in the room; but in order to insure this perpendicular position a turn-button I had best be placed on the under side of the bed-frame, one end of which, when turned, taking into a slot in the under side of the top.

The outward horizontal movement of the bedstead is designed especially to bring the bedstead in front of and to a degree away from the case, so that the occupants of the bed may not be all disturbed by the proximity of the head of the bedstead to the case, and there may be no obstruction in getting into or out of the bed.

The rails of the frame or case A are detachably secured at each end by hooks K to the side pieces, so that when desired, as for moving or shipment, the several parts can be detached from each other and placed compactly together.

It will be observed that in the structure as above described the several parts can be detachably secured together, so that in case of shipment or otherwise the several parts can be speedily detached each from the other, so as to be substantially laid flat upon each other, and thus make a very compact parcel or package, and when occasion requires the several parts can be put together in position for use without the exercise of the least mechanical skill.

It should be observed that when the bedstead is folded within the casing its head-board  $b^1$  is folded up, its foot-board  $b^2$  is folded down, and its head-rail rests upon the end piece  $a^7$  of the casing within the rail  $a^4$ , to which the eye-straps D are secured, and thereby sustain the transverse rod E, upon which the bedstead moves and turns. The straps H, having hooked ends, also fold or turn to the inner side of the rail  $a^4$ . The weight of the bedstead is thus supported by the bottom of the case, and is thereby held securely and firmly in place. The bottom of the bedstead moves directly upon the rollers G, the straps H acting only as guides and limits to its motion by means of the hooked ends.

Having now described my invention, what I consider new, and desire to claim, is—

1. In a wardrobe-bedstead, the combination, with the frame or casing A, provided with the lower front rail  $a^4$  and the bottom supporting-rail  $a^7$ , the eye-straps D, secured to the rail  $a^4$ , the rod E, having bearings in the eyes of said straps, and the rollers G, mounted on said rod to the outer sides of said straps, of the bedstead B, moving upon the rollers G and capable of being turned up till it rests vertically upon the supporting-rail  $a^7$  within the lower front rail  $a^4$ , substantially as specified.

2. In a wardrobe-bedstead, the combination, with the frame A, having the supporting-rail  $a^7$ , and the lower front rail  $a^4$ , the eye-straps D, secured to the inner surface of the rail  $a^4$ , the rod E, having bearings in the eyes of said straps, and the rollers G, mounted on the rod E to the outer sides of the eye-straps, of the bedstead B and the guide and limiting straps H, secured to the bottom of the bedstead at suitable points to the inner sides of the eye-straps, and provided with the hooked ends  $h$ , to limit the motion of the bedstead on the rod E, substantially as specified.

3. The combination, with the frame A, having the supporting-rail  $a^7$  and lower front rail  $a^4$ , the eye-straps D, and the rod E, having bearings in the eyes of said straps, of the bedstead B, turning upon said rod till vertically within the frame A upon the rail  $a^7$  and to the inner side of the rail  $a^4$ , the hinged folding head and foot boards  $b^1$   $b^2$  respectively, and the elastic strap C, secured at its ends to the outer surface of the head-board near the lower edge thereof, and with its central part adapted to engage a button on the foot of the bedstead below the folding foot-board, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY CLAY BROWN.

Witnesses:

JAMES N. MURRAY,  
W. H. HOWARD.