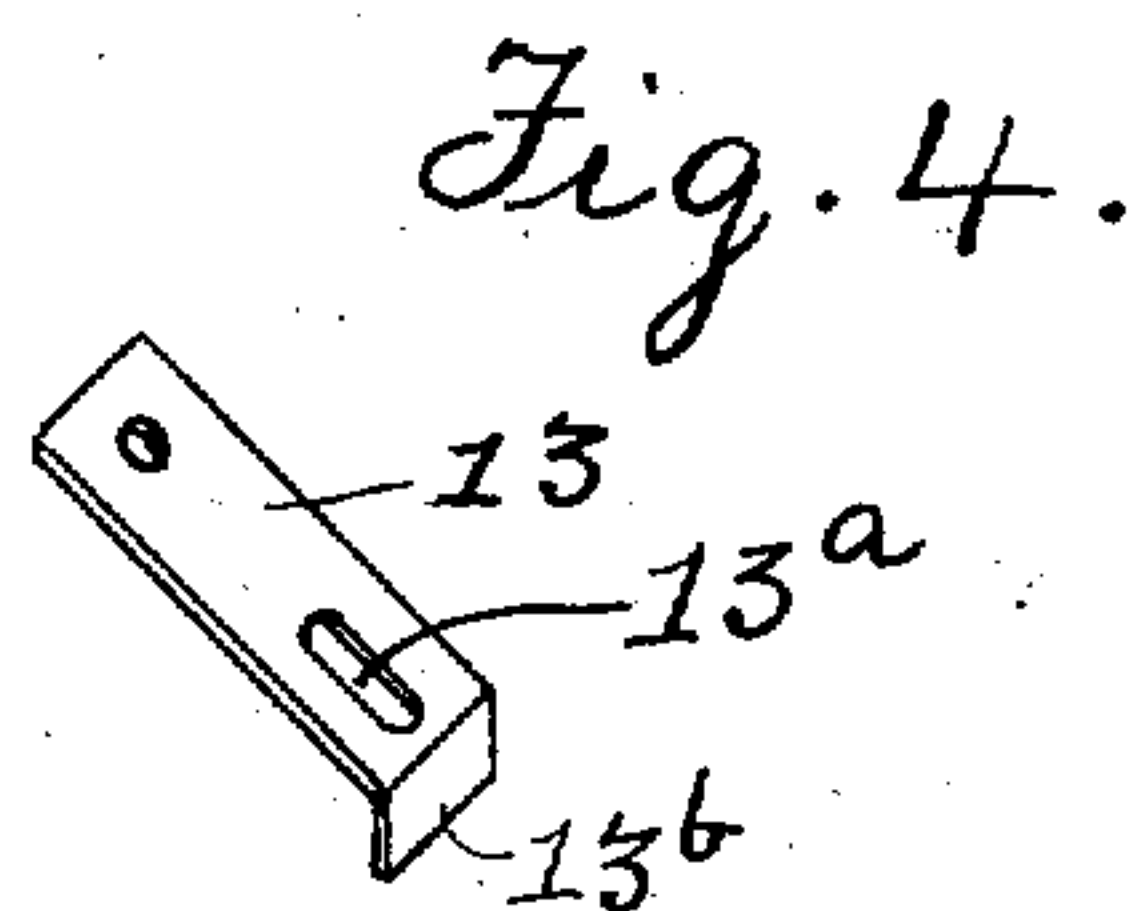
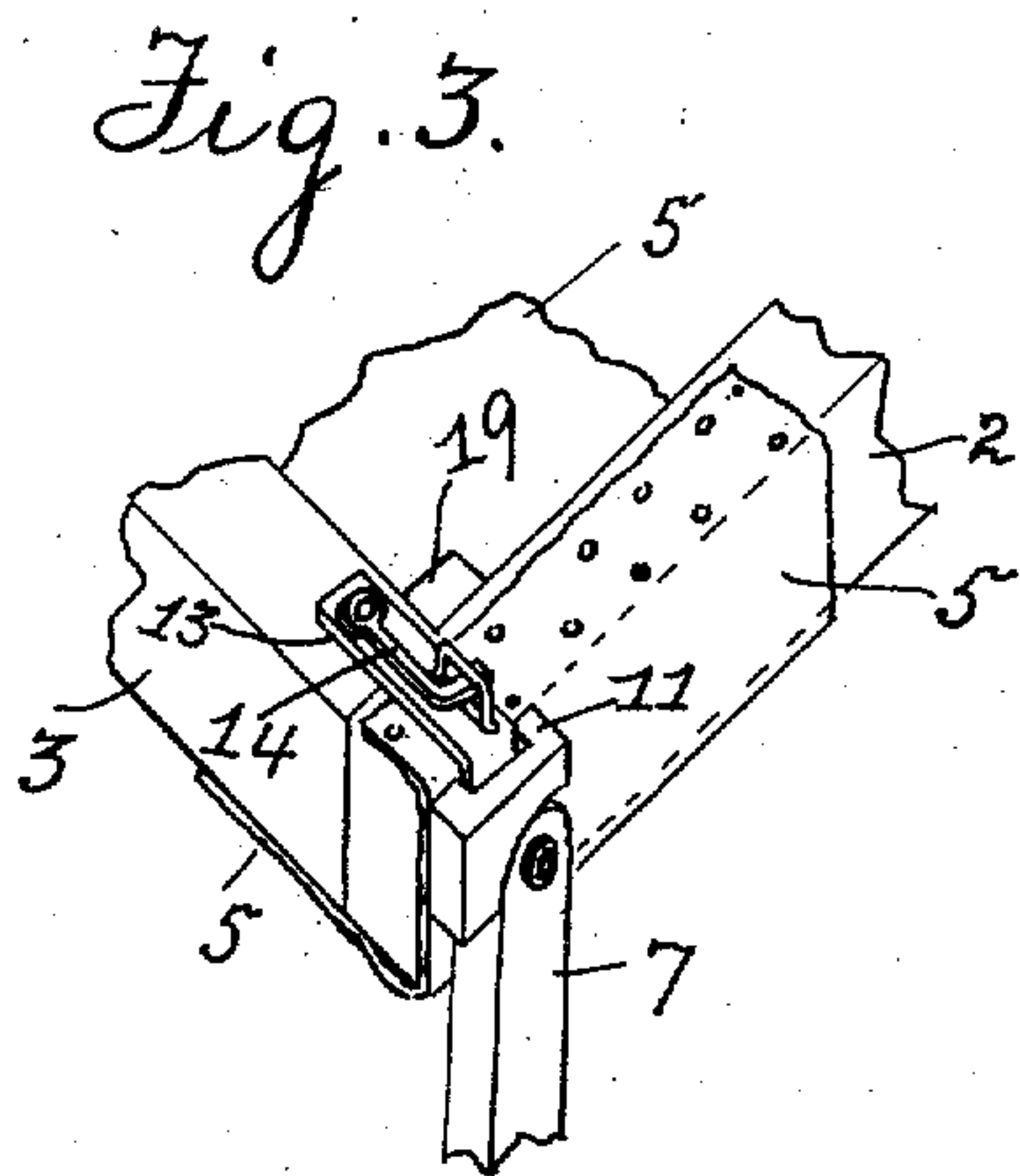
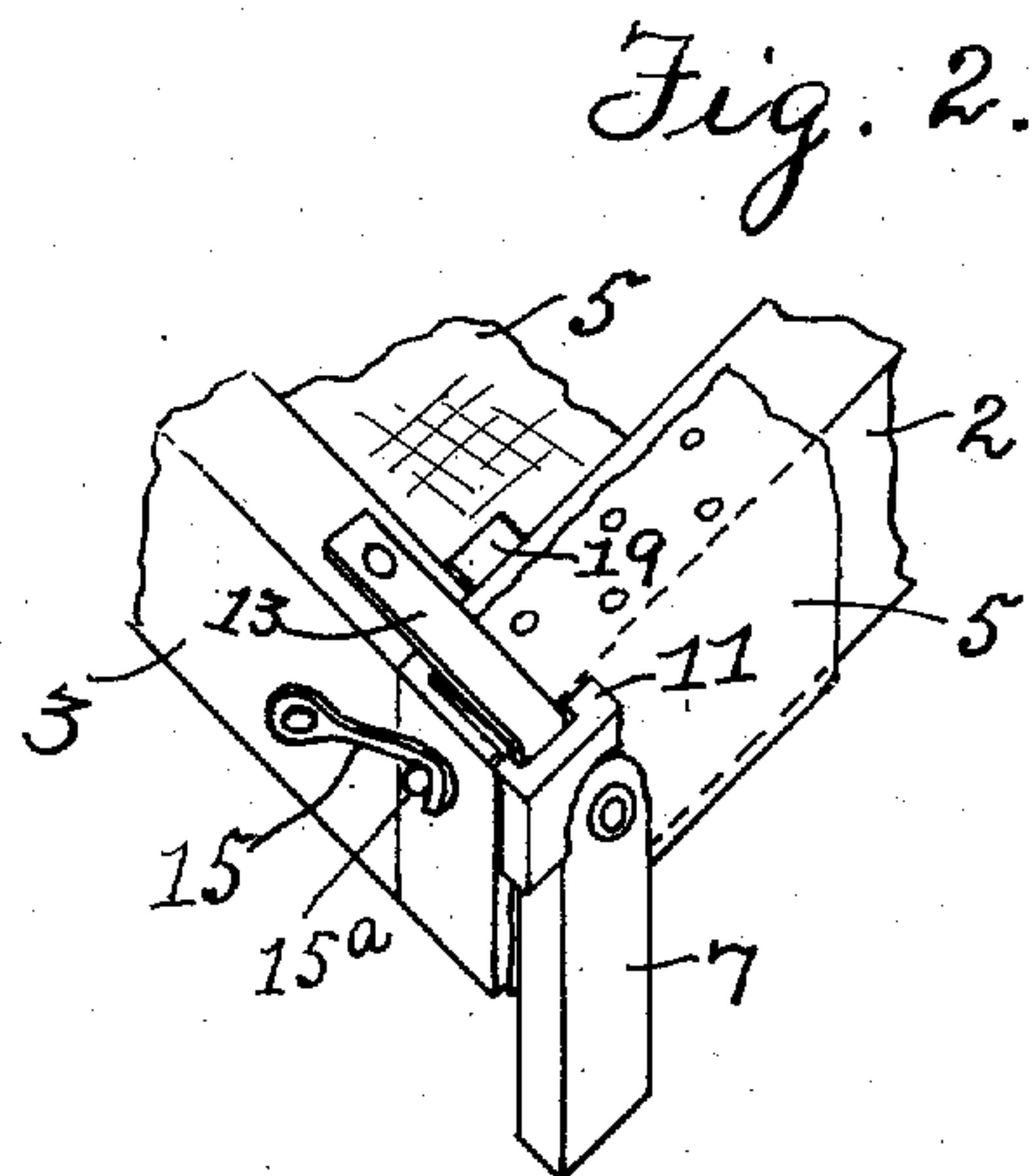
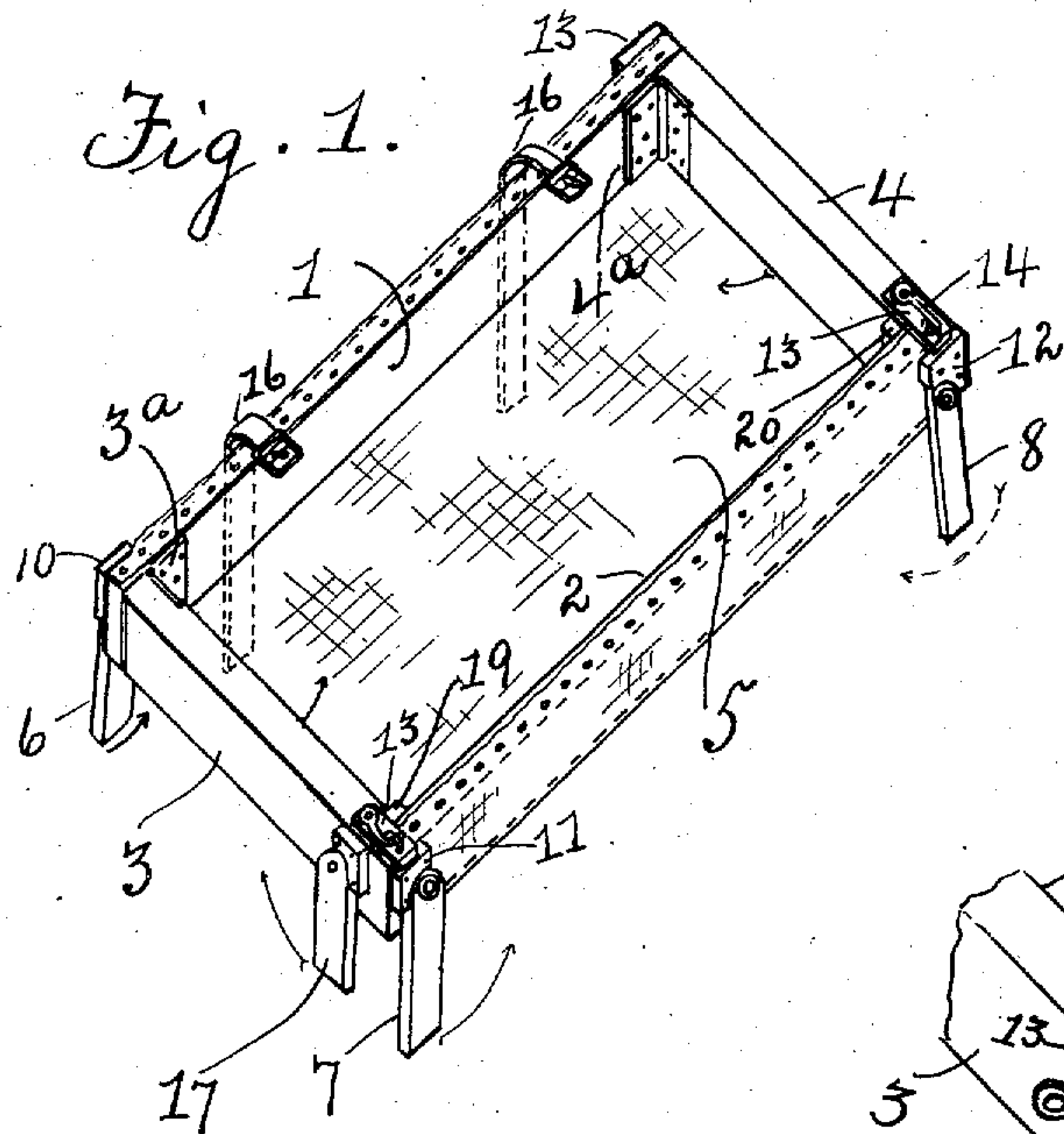


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FOLDING BED.
APPLICATION FILED FEB. 17, 1908.

917,592.

Patented Apr. 6, 1909.



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FOLDING BED.

No. 917,592.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed February 17, 1908. Serial No. 416,301.

To all whom it may concern:

Be it known that I, EMMA GRANT, a citizen of the United States, residing at Cloquet, in the county of Carlton and State of Minnesota, have invented certain new and useful Improvements in Folding Beds; 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.

My invention relates to folding beds and has for its object the provision of a simple, convenient, efficient and cheap folding bed.

It consists of the constructions, combinations and arrangements of parts hereinafter described and claimed.

In the drawings, Figure 1 is a preferred form of my invention. Fig. 2 is an enlarged perspective view of one corner of a modified form of my invention. Fig. 3 is an enlarged perspective view of one corner of said preferred form of my invention, and Fig. 4 is an enlarged perspective view of a hasp forming part of my invention.

In the drawings, 1 and 2 are the side rails of the bed and 3 and 4 are the end rails thereof, which end rails are hinged in any suitable manner and by any suitable means, as by hinges 3^a and 4^a respectively, to one of the said side rails. Said side rails are connected together by a collapsible floor of any suitable structure, as by a sheet of canvas 5, secured at one edge to one of the side rails and at the opposite edge to the opposite side rail. Pivotally secured to each side rail near each end thereof is a leg, as 6, 7, 8 respectively, and in the preferred form of my invention shoulders 10, 11, 12 and 13 respectively, of any suitable form are formed on or secured to said side rails above the upper ends of said legs and extending down at one side of the leg, to limit the pivotal movement thereof and to relieve the pivoting means of excessive weight. In said preferred form, I also provide a hasp 13, secured to one of the rails and overlapping another of said rails and provided with an aperture 13^a in its free end adapted to receive a staple secured to said other rail and adapted to extend upward through said aperture. In such form, a removable key 14, preferably in the form of a hook is also provided and adapted to extend through said staple above said hasp. Said hasp is preferably provided at its free end with a depending lip 13^b adapted to

overhang a portion of the underlying rail. In the modified form of said device said staple and hook, as related to the hasp, may be omitted, and in such case a hook 15 may be secured to one of the rails and adapted to engage an anchorage, as a screw eye 15^a secured to another of said rails. Straps 16 may be secured to one of the side rails and adapted to encircle both side rails when the bed is folded, to secure the same in folded position.

Assuming the bed to be set up in operative position as shown in Fig. 1, it may be folded in the following manner. The legs may first be swung up parallel with the side rails, the hooks 14 or 15 may then be retracted and the free end of the hasp lifted, the side rail which is free from the end rails may then be dropped a trifle to give clearance to the end rails and the end rails may then be swung inward parallel with the rail to which they are hinged. The side rails may then be drawn toward each other, in which latter operation one of the side rails may, if desired, be rolled in the canvas. The straps may then be passed around both side rails and buckled in the usual manner of securing straps around packages. To open the bed and set it up into operative position said operation may be reversed.

If desired, legs as 17 may be pivotally secured to the free ends of the end rails in manner similar to the securing of the legs to the side rails, which legs on the end rails will operate to relieve the hasps of excessive strain. In folding the bed, the legs 17 should be swung up parallel with the end rails before the end rails are swung on their hinges toward the side rail to which they are hinged. Cleats 19 and 20 may be secured to suitable ones of the rails to operate as stops against which another rail or rails may bear.

It is obvious that within the spirit and scope of certain of my claims, said invention may be further modified or altered in some particulars.

What I claim is:

1. In a folding bed, the combination of two rails connected together by a collapsible floor, two other rails hinged to one of the first said rails and adapted in operative position to extend at an angle thereto, and means for securing the second of the first said two rails to the opposite ends of the said other two rails in operative position.

2. In a folding bed the combination of two rails connected together by a collapsible floor, two other rails pivotally secured to one of said rails and adapted in operative position to extend at an angle thereto in an approximately horizontal plane and adapted in retracted position to extend parallel to the rail to which they are pivotally secured, means for securing the other of the first said two rails to the said two other rails in operative position, and legs pivotally secured to

two of said rails and adapted in operative position to support the same and in retracted position to lie parallel with the rails to which they are secured.

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

EMMA GRANT.

Witnesses:

F. C. COOLBAUGH,
W. H. SKEMP.