Oct. 21, 1924. 1,512,664

J. L. BAILLE

SYSTEM OF BRACES FOR SUPPORTING THE FOLDING BEDS OF FOLDING CAMERAS

Filed Oct. 30, 1922

Fig. 2

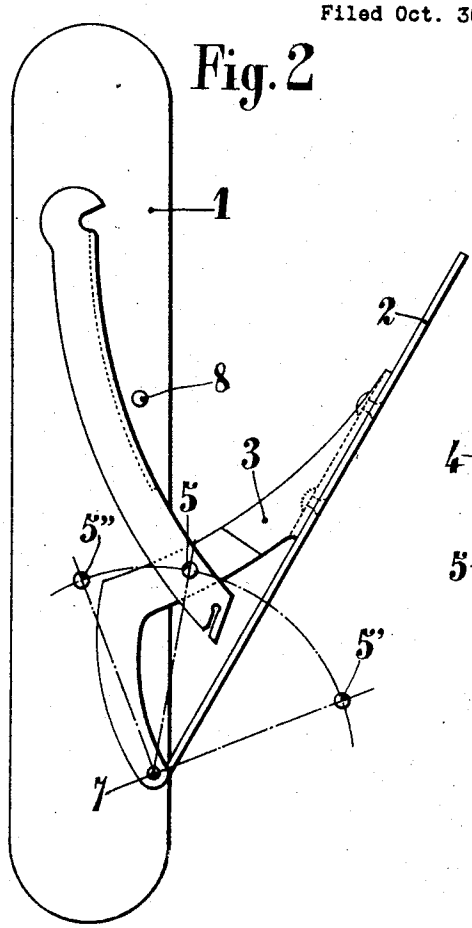



Fig. 3

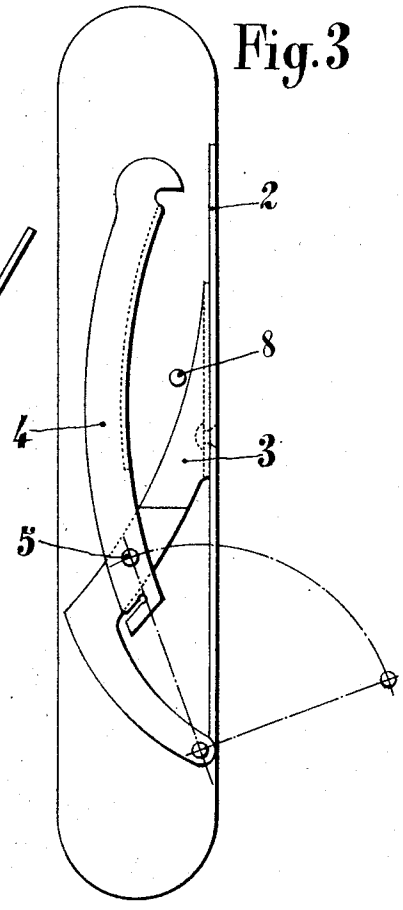
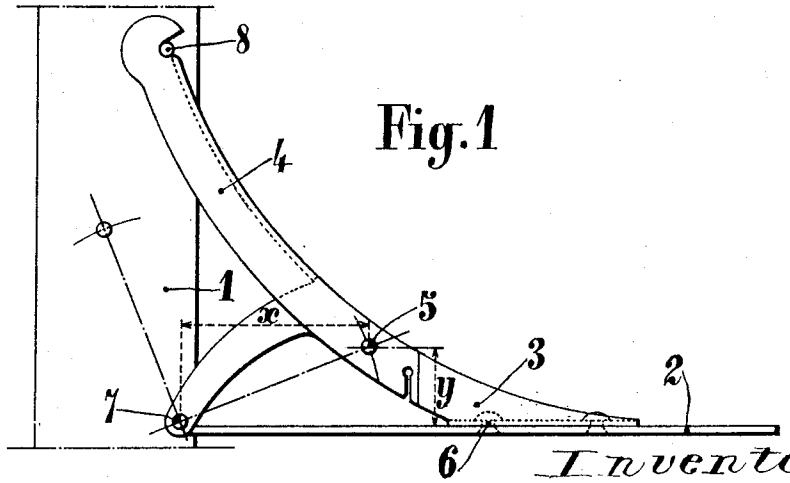



Fig. 1




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# UNITED STATES PATENT OFFICE.

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## SYSTEM OF BRACES FOR SUPPORTING THE FOLDING BEDS OF FOLDING CAMERAS.

Application filed October 30, 1922. Serial No. 597,986.

*To all whom it may concern:*

Be it known that I, JEAN LOUIS BAILLE, a citizen of the French Republic, residing 26 Rue Oberkampf, Paris, France, have invented new and useful Improvements in a System of Braces for Supporting the Folding Beds of Folding Cameras, of which the following is the specification.

The present invention has for its object a system of braces for supporting the folding bed of a folding camera and for maintaining it in a rigorously fixed position.

This device is characterized in that the folding bed of the camera, jointed in a known manner on an axis integral with the frame, supports above its plane two jointing axes about which can pivot two stays, the displacement of which is guided in the frame by fixed abutments and each of which comprises at its end a plane surface which comes in contact, when the folding bed is entirely folded down, with a corresponding surface of the said folding bed; the stays have a certain resiliency allowing to engage them, at the other end, on the corresponding abutments of the frame, and doing away with any play between the contact surfaces.

The accompanying drawing illustrates, by way of example, a form of construction of the invention.

Fig. 1 illustrates the apparatus in extended position.

Fig. 2 illustrates the apparatus in the medium position during folding.

Fig. 3 illustrates the apparatus completely folded.

The brace 4 is a solid member capable of pivoting about an axis 5 secured on the support 3.

The support 3 is rigidly attached to the folding bed 2, on the one hand by the rivets 6, on the other hand by the axis 7 of the folding top.

The brace takes a bearing on a finger 8, placed in the frame of the apparatus, adjusted in such a manner that the apparatus being unfolded, the folding bed is rigorously at right angles to the sensitive surface.

The arrangement of the braces is characterized by the very large distances $x$ and $y$ separating the axis of the hinge of the folding bed from the pivot 5; it allows of extending the member 3 up to about three fourths of the length of the folding top.

The brace 4, in order to acquire a certain resiliency, is slotted at its lower end; the latter by bearing on a projecting counterpart of the support 3 forces the upper part of the member 4 to engage tightly with the finger 8. The folding bed being carried at a point remote from its hinge, the rigidity and strength of its attachment are thus raised to the highest degree.

It is obvious that the angle formed by the contact surfaces between the stay 5 and the support 3 with the plane of the folding bed may be of any degree whatever, provided that, in the open position, the plane of the folding bed is rigorously at right angles to the plane of the sensitive plate.

What I claim as my invention and desire to secure by Letters Patent is:

1. In a folding photographic apparatus, a frame, a folding bed, a joint connecting the folding bed to the frame, two braces jointed on the folding bed so as to be capable of rocking at right angles to its plane, an abutment for each brace and integral with the folding bed, an abutment for each brace and integral with the frame.

2. In a folding photographic apparatus, a frame, a folding bed, a joint connecting the folding bed to the frame, two braces jointed on the folding bed so as to be capable of rocking at right angles to its plane, an abutment for each brace and integral with the folding bed, an abutment for each brace and integral with the frame, means for resiliently locking the braces in open position.

3. In a folding photographic apparatus, a frame, a folding bed, a joint connecting the folding bed to the frame, two braces jointed on the folding bed so as to be capable of rocking at right angles to its plane, an abutment for each brace and integral with the folding bed, an abutment for each brace and integral with the frame, each brace being slotted parallel to its surface of contact with the abutment of the folding bed and near this surface to provide a resilient tongue, a hook at the other end of each brace.

4. In a folding photographic apparatus, a frame, a folding bed, a joint connecting the folding bed to the frame, two side cheeks in-

tegral with the folding bed and at right angles to its plane, two braces jointed on the said cheeks and in their plane, an abutment for each brace, presented by each cheek, an abutment for each brace and integral with the frame, each brace being slotted parallel to its surface of contact with the abutment of the folding bed and near this surface so as to provide a resilient tongue, a hook at the other end of each brace.

In testimony whereof I have signed my name to this specification.

JEAN LOUIS BAILLE.