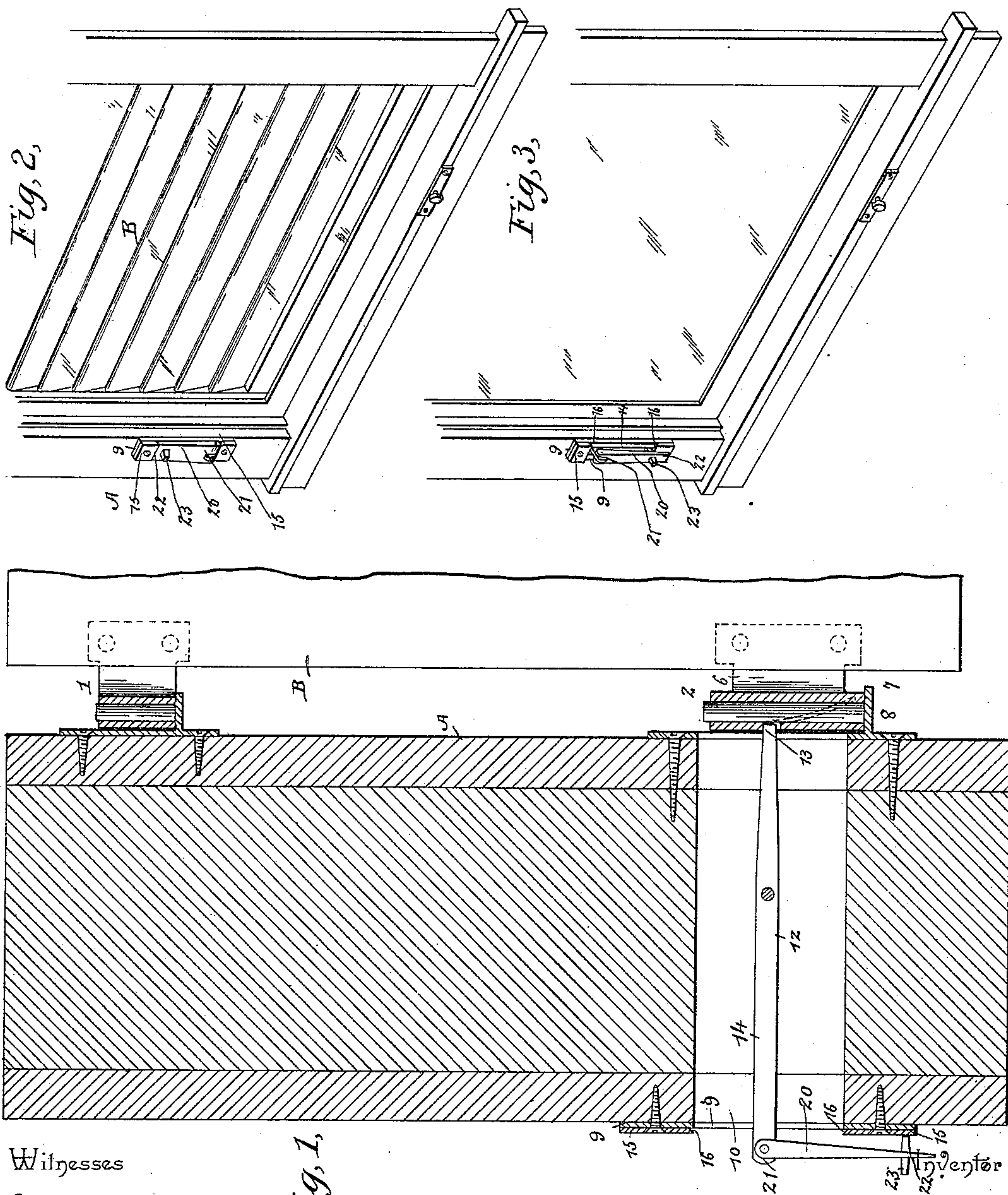


G. S. ELLIOTT.
SHUTTER WORKER.

Patented Oct. 21, 1890.



Witnesses

Jas. K. McArthur

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By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

GEORGE S. ELLIOTT, OF MOBILE, ALABAMA.

SHUTTER-WORKER.

SPECIFICATION forming part of Letters Patent No. 438,616, dated October 21, 1890.

Application filed June 2, 1890. Serial No. 353,923. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. ELLIOTT, a citizen of the United States, residing at Mobile, in the county of Mobile and State of Alabama, have invented a new and useful Shutter-Bower, of which the following is a specification.

This invention relates to shutter-bowers, the object being to provide improved means for fastening the shutter either at its free edge or through the shutter-worker herein described, which has been patented to me on September 24, 1889, by United States Patent No. 411,548. This object I attain by the mechanism hereinafter more fully described, and illustrated in the drawings, in which—

Figure 1 is a section through the pintles of the two hinges supporting the shutter and also through the window-frame. Fig. 2 is a perspective view of the inner face of said window-frame, showing the means for locking the shutter-worker, and hence the shutter, in either open or closed position. Fig. 3 is a similar view showing the locking means in a different position.

Referring to the said drawings, A is the window-casing, and B a shutter hinged thereto by an upper hinge 1 and a lower hinge 2, the leaf 6 of the lower hinge having an inclined or spiral slot 8 in its socket 7.

12 is a lever pivoted at about the center of its length in an opening through the window frame or jamb, and the outer end 13 of this lever projects outwardly and into the spiral slot 8, whereby the shutter can be operated from the inside of the building by raising or lowering the inner end 14 of the lever 12, all as described in my former patent above referred to.

Coming now to the present invention, the latch-plate 9, which is secured to the inner side of the window-frame and has the slot 10, as before, has a supplemental plate 15 secured to its face across its upper and lower ends, the inner ends of said plates being beveled, as 16. A locking-plate 20 is bifurcated at one end and pivoted to the inner end 14 of the lever 12, as shown at 21, and its opposite

end 22 is reduced almost to an edge, whereby it may be inserted under the beveled ends 16 of the plates 15, as shown in Figs. 2 and 3. Near the thin edge 22 is passed a bar 23, forming a handle, and this bar may also be used, if desired, to lock the shutter in a position almost completely open or almost completely closed.

The operation of this device will be clearly understood by reference to my former patent, and at either extreme of the movement of the lever 12 the locking-plate 20 can be turned so that its free end 22 will engage the beveled end 16 of the opposite supplemental plate 15, thereby locking the locking-plate in a manner which will be clearly understood, or, if it be preferred to lock the shutter-worker so that the shutter shall be held at nearly one extreme of its two positions, one or the other end of the bar 23 can be passed into the slot 10 and will bear against one of the plates 15 in the same manner.

What I claim is—

1. A shutter-bower comprising a lever centrally pivoted in the window-frame, with its outer end engaging a spiral groove in one of the hinge-sockets of the shutter and its inner end passing through a slotted plate on the inner edge of the window-frame, supplemental plates secured to said slotted plate at the upper and lower ends of its slot and having beveled inner ends, and the locking-plate pivoted to the inner end of said lever and reduced at its free end, so as to engage beneath the beveled ends of the upper and lower supplemental plates when the shutter is in closed and open positions, respectively, substantially as described.

2. A shutter-bower comprising a lever centrally pivoted in the window-frame, with its outer end engaging a spiral groove in one of the hinge-sockets of the shutter and its inner end passing through a slotted plate on the inner face of the window-frame, supplemental plates secured to the face of said slotted plate at the upper and lower ends of its slot and having beveled inner ends, a locking-plate pivoted to the inner end of said lever

and reduced at its free end, so as to engage
one of said beveled ends, and a handle pass-
ing through said locking-plate near its free
end, said handle being of a size less than the
5 width of the slot, the whole adapted to op-
erate substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature
in presence of two witnesses.

GEORGE S. ELLIOTT.

Witnesses:

HARRY T. SMITH,
SELINA W. GAZZAM.