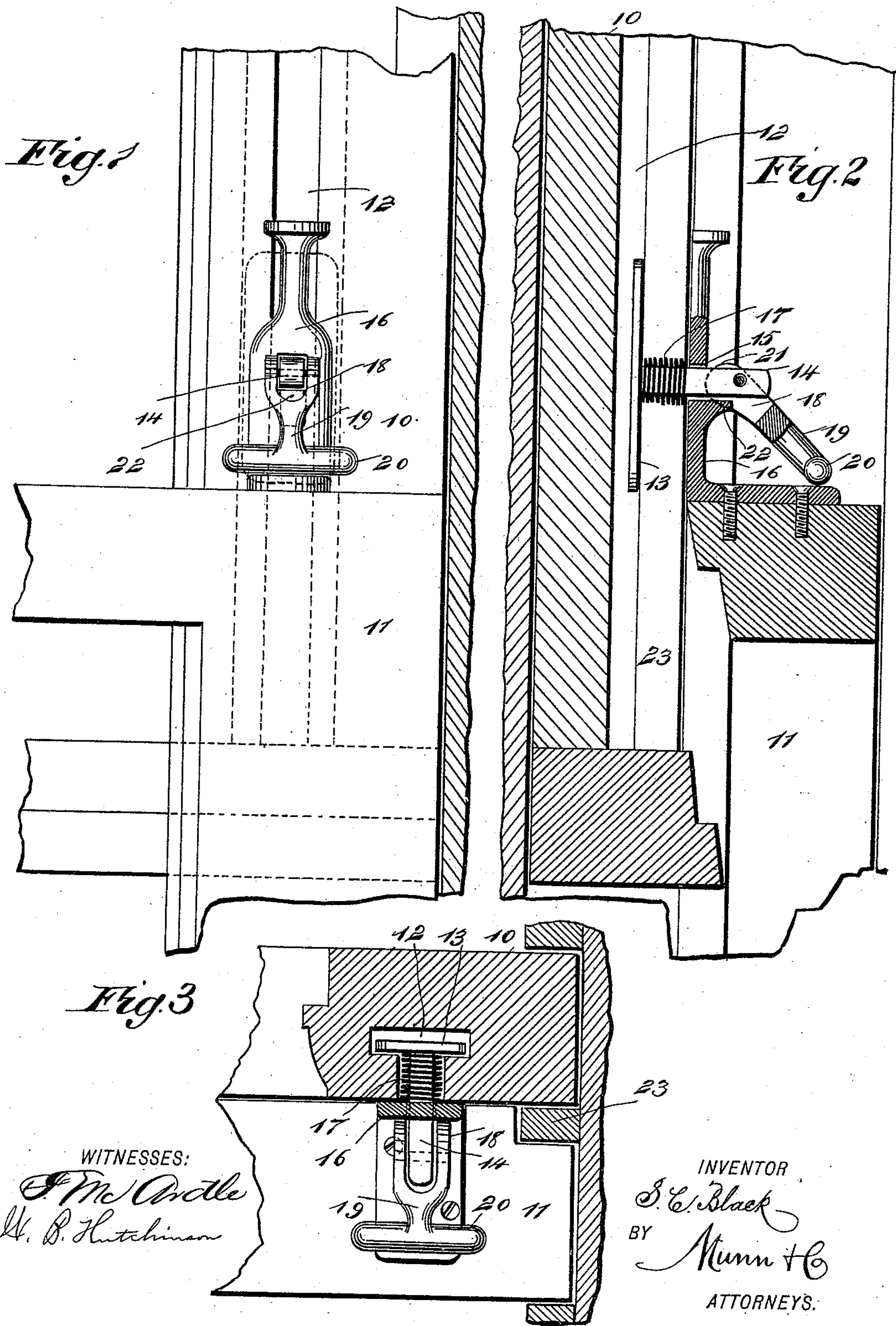


(No Model.)

S. C. BLACK.
WINDOW OR DOOR BUTTON.

No. 525,251.

Patented Aug. 28, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

STEPHEN C. BLACK, OF WEST CHESTER, PENNSYLVANIA.

WINDOW OR DOOR BUTTON.

SPECIFICATION forming part of Letters Patent No. 525,251, dated August 28, 1894.

Application filed March 22, 1894. Serial No. 504,658. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN C. BLACK, of West Chester, in the county of Chester and State of Pennsylvania, have invented a new and Improved Sash-Lock, of which the following is a full, clear, and exact description.

My invention relates to improvements in sash locks; and the object of my invention is to produce an extremely cheap and simple lock, which may be easily applied to the sashes of a window and by which the sashes may be locked in any desired position with relation to each other, or the lower or upper sash independently locked at any desired height.

To these ends my invention consists of a sash lock, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken front elevation of a pair of sashes provided with my improved sash lock. Fig. 2 is a longitudinal section of the same; and Fig. 3 is a sectional plan thereof.

The sashes 10 and 11 are arranged opposite each other so as to slide in the usual way, and the upper sash 10 is provided with a longitudinal rabbet groove 12 in its side rails, the groove being widest at its back side so that the slide plate 13 may fit firmly against its front wall, this plate lying longitudinally in the groove and having a projecting arm 14 which extends outward through the front of the groove and through a hole 15 in the plate or bracket 16, which is fastened to the top of the lower sash 11, and the inner portion of which is parallel with the upper sash rail and between which and the movable plate 13 the rail of the sash may be clamped. The plate 13 is normally pressed inward by a spiral spring 17 which encircles the arm 14 between the two plates, and the plate 13 is drawn outward against the front wall of the groove 12 by means of a cam lever 19 which has a bifurcated inner end pivoted to the arm 14 and a handle 20 at its outer end which is adapted to be pushed downward against the base of the plate or bracket 16. The inner end of the lever 19 is rounded, as shown at 21, so as to form a cam adapted to impinge against the bracket or plate 16, and the forked portion of the lever straddles a lug 22 on the bracket

which lug serves as a guide for the lever. The raising of the lever 19 permits the plate 13 to spring inward so that either sash may be moved freely, the arm 14 sliding through the slot or groove 12, and by pushing down on the lever its inner end is forced against the bracket or plate 16, thus drawing out the plate 13 and clamping it firmly against the front wall of the groove 12, and the two sashes are thus securely locked, and clamped to the parting bead.

The drawings show the lock applied to one side of a pair of sashes, but it will be understood that the lock can be applied to both sides of the sashes if desired.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A sash lock, comprising a fixed apertured plate, a movable plate provided with an arm projecting through the aperture of the fixed plate, and a cam lever pivoted to the arm of the movable plate, substantially as described.

2. A sash lock, comprising a fixed apertured plate, a movable plate provided with an arm projecting through the aperture of the fixed plate, a spring surrounding the arm between the two plates, and a bifurcated lever pivoted to the outer end of the said arm and having the inner ends of its members rounded, substantially as described.

3. The combination, with the two sashes, one of which is provided with a grooved rail, of a fixed plate on one sash, a movable plate held in the groove of the other sash and provided with an outwardly extending arm, and a cam lever pivoted to the arm and adapted to engage the fixed plate, substantially as described.

4. The combination, with the two sashes, one of which is provided with a groove in its rail, of a perforated fixed plate on one sash, a movable spring-pressed plate held in the groove of the other sash and provided with an arm projecting through the perforation of the fixed plate, a forked lever pivoted on the arm to embrace it and having the inner ends of its members rounded, and a guide lug for the lever on the fixed plate, substantially as described.

STEPHEN C. BLACK.

Witnesses:

JOHN A. RUPERT,

JENNIE P. HOFFMAN.