(No Model.)

J. BRADY.

SASH FASTENER.

No. 370,235. Patented Sept. 20, 1887.

Fig. 1.

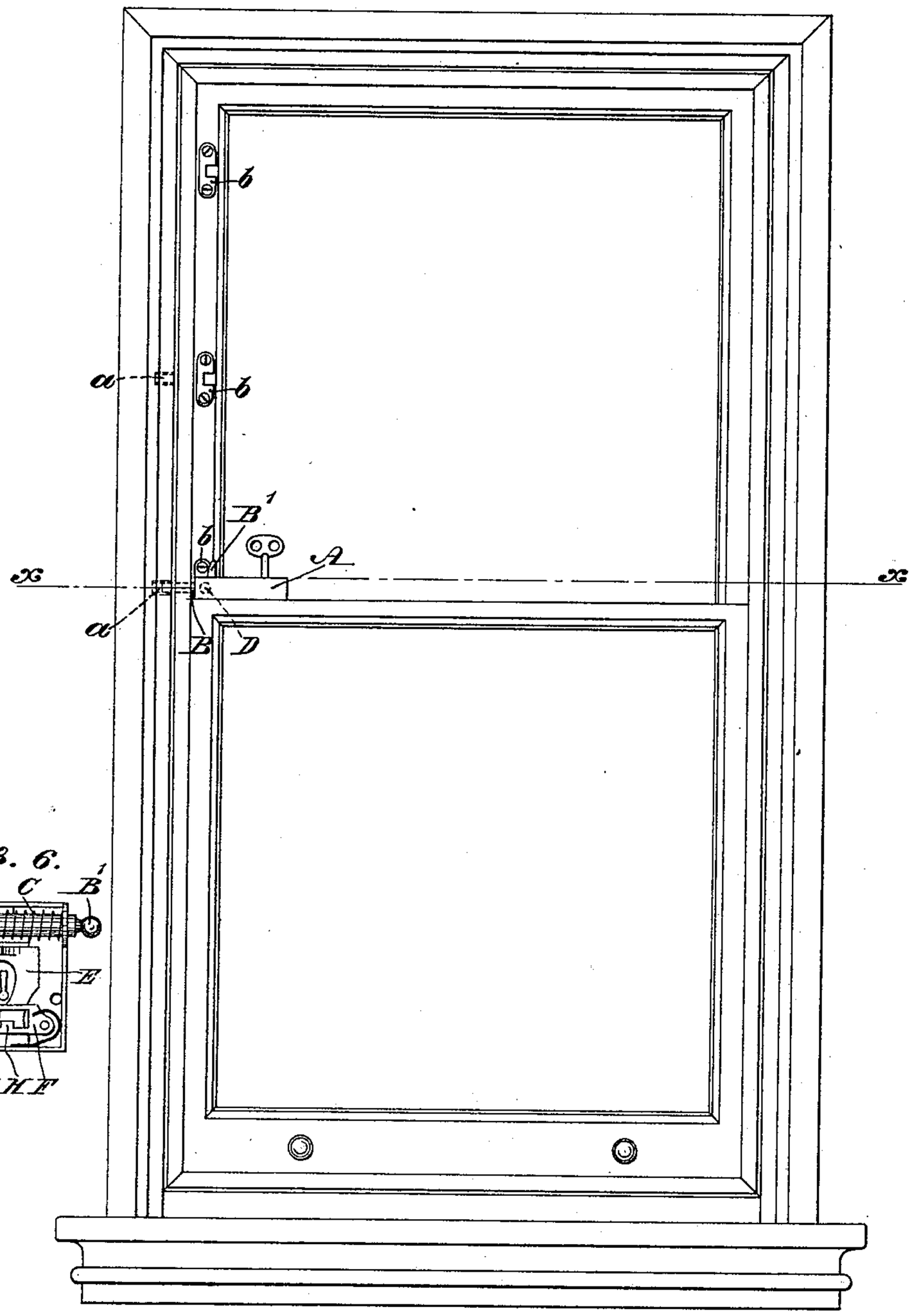


Fig. 6.

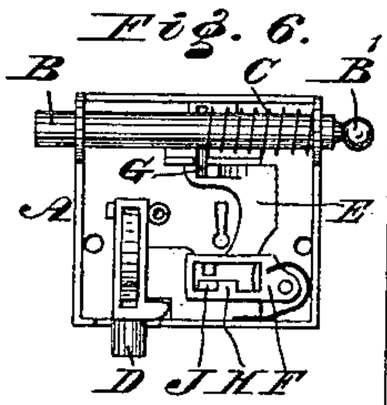


Fig. 3.

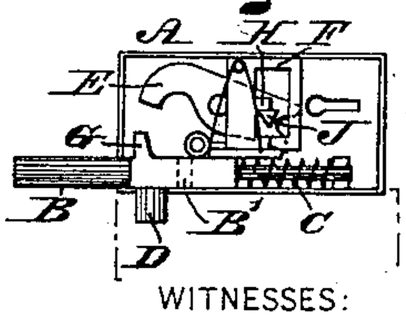


Fig. 2.

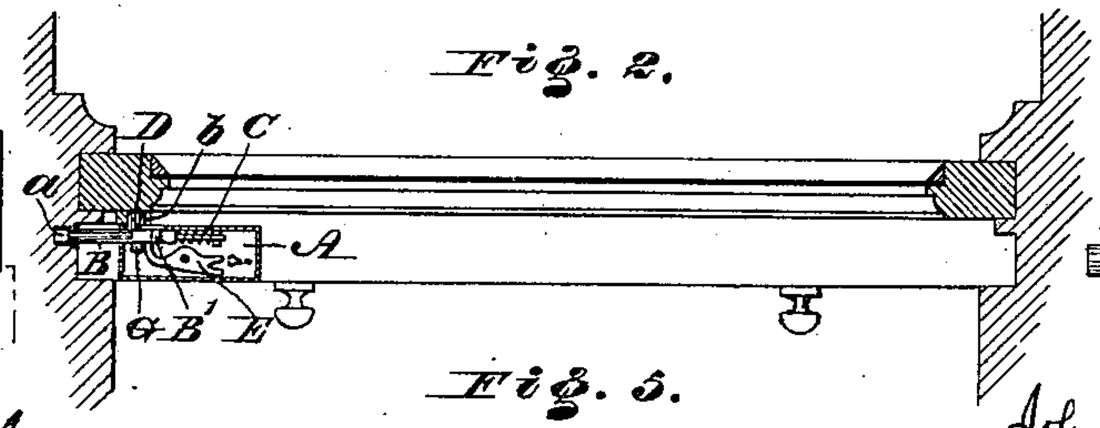


Fig. 4.

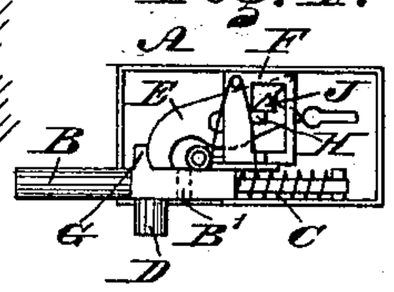
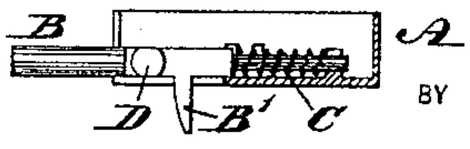


Fig. 5.



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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 370,235, dated September 20, 1887.

Application filed March 23, 1887. Serial No. 232,140. (No model.)

To all whom it may concern:

Be it known that I, JOHN BRADY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Sash Locks and Fasteners, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a side elevation of a sash fastener and lock embodying my invention. Fig. 2 represents a horizontal section in line *x x*, Fig. 1. Figs. 3, 4, and 5 are views of the interior thereof on an enlarged scale. Fig. 6 represents a view of a modification, the parts being shown in locked condition.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a sash fastener and lock of novel construction, as will be hereinafter set forth.

Referring to the drawings, A represents a casing or box, which is secured to the meeting-rail of the lower sash, and has fitted within the same a sliding bolt, B, which is adapted to enter either of the openings or keepers *a* in the window-frame, said bolt having a handle, B′, which projects through the top of the casing, whereby the bolt may be readily withdrawn from said opening. Bearing against said bolt is a spring, C, for holding the same in locking position. To the inner side of the bolt B and at a right angle thereto is secured a bolt, D, which is adapted to engage with either of the keepers *b*, which are secured to the upper sash.

It will be seen that the lower sash may be readily fastened to the window-frame by means of the bolt B and the two sashes fastened together by means of the bolt D, thus providing security of fastening of both sashes.

In order to lock the bolt B, there are fitted within the casing A the pivoted dog E and the tumbler F, the nose of said dog being adapted to engage with a shoulder, G, on the bolt. The tumbler has a lug, H, and the dog has a lug, J, which engage with each other. A key is inserted into the casing, and as it is turned it engages with the heel of the dog and side of the tumbler.

Referring to Fig. 3, when the tumbler moves the lug H leaves the lug J and the dog turns on its pivot, bringing its nose in engagement with the shoulder G, thus locking the bolt B and consequently the bolt D. The tumbler under action of its spring returns to its first position, whereby the lugs H J re-engage, thus locking the dog. (See Fig. 4.) In order to unlock the bolts, the key is rotated in reverse direction, the tumbler moves, and the lug H leaves the lug J. The dog then turns on its pivot and its nose leaves the shoulder G, thus unlocking the bolts B D. The tumbler returns to its normal position, and the lug H re-engages with the lug J on the side opposite to that first named, so as to hold the dog in unlocked position. (See Fig. 3.)

In Fig. 6 I show the bolt D separate from the bolt B, the dog E being of different form from the one shown in Figs. 2, 3, and 4, and having two noses instead of one, so as to engage with the shoulders or projections G on each of the bolts B and D. The said dog in the lock in this figure has a sliding motion, being fitted between a way or guide attached to the back of the casing and the lower wall of the casing. The dog E and the tumbler F have each a lug similar to lugs J and H in the other figures, serving to keep the parts in fixed position until changed by the action of the key on the dog and tumbler. In locking the bolts the key acts upon the said dog and tumbler, so as to depress the end of the tumbler which is toward the bolt D and free the lug J, which is in front of the lug H when the bolt is drawn within the casing. At the same time the dog E is pushed forward, so that lug H takes a position on the rear side of the lug J, and thereby locking the bolts D and B in position, as is readily seen. In unlocking, when the key is turned, the action of the dog is such that the bolt B is caused to be withdrawn within the casing, while the bolt D is released, so that it may be readily operated by hand or by a spring connected thereto. It will be seen that the effect is the same as previously set forth—viz., the two bolts may be locked, thus fastening the two sashes to each other and to the window-frame in a secure manner.

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

1. A sash fastener and lock having two bolts, B D, at a right angle to each other, a dog which engages with said bolts, and a tumbler which locks said dog, the parts being combined and operating substantially as described.

2. A combined sash fastener and lock having a spring-bolt, with a second bolt adapted to act at right angles thereto, a dog with a nose adapted to engage and lock said spring bolt, a tumbler operated by a key and having a lug adapted to engage with a lug on the said dog, and a spring normally adapted to keep the lugs on said dog and tumbler in engagement, all substantially as described.

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