

P. F. NISSEN.

SASH LOCK.

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944,626.

Patented Dec. 28, 1909.

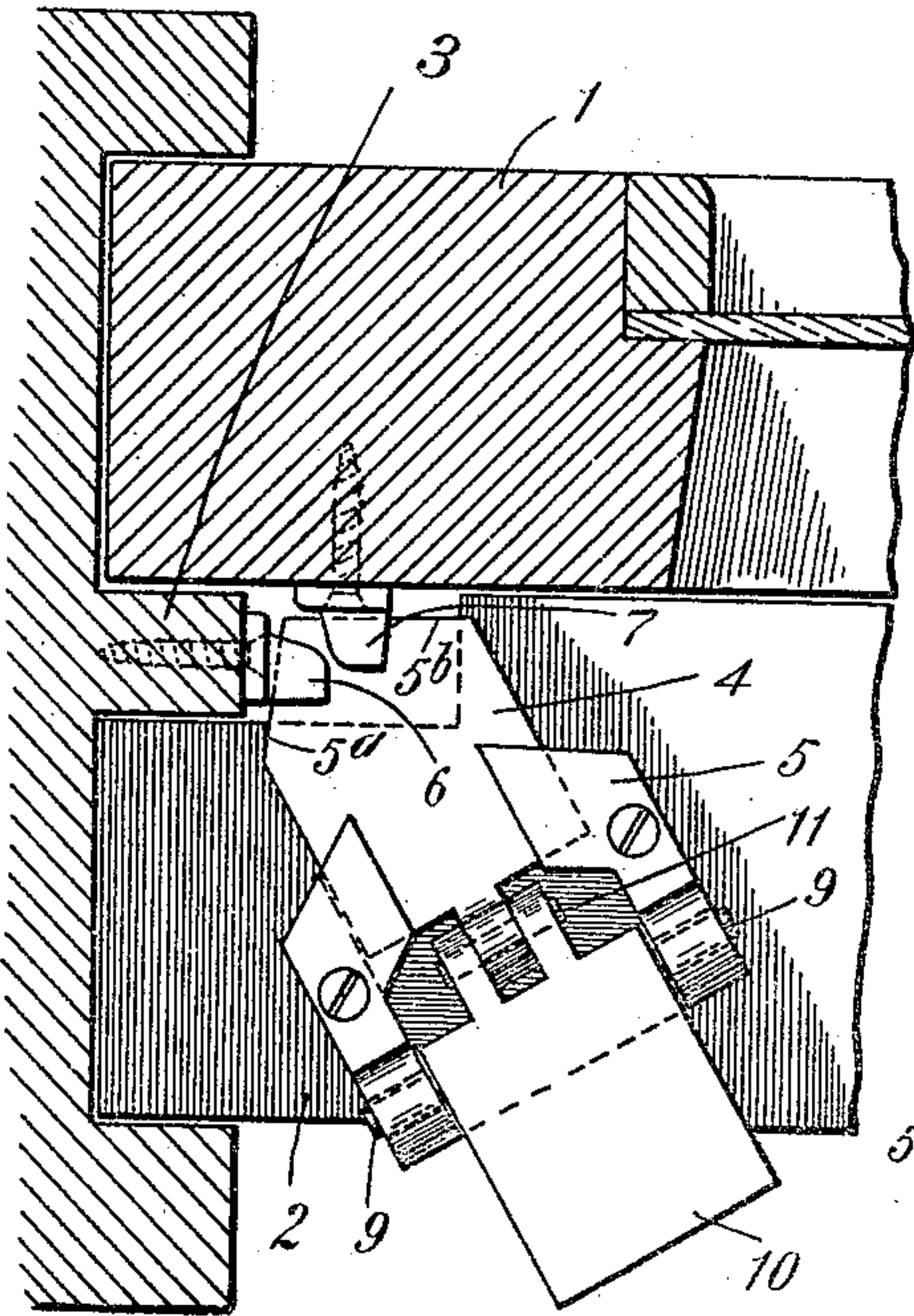


Fig. 2.

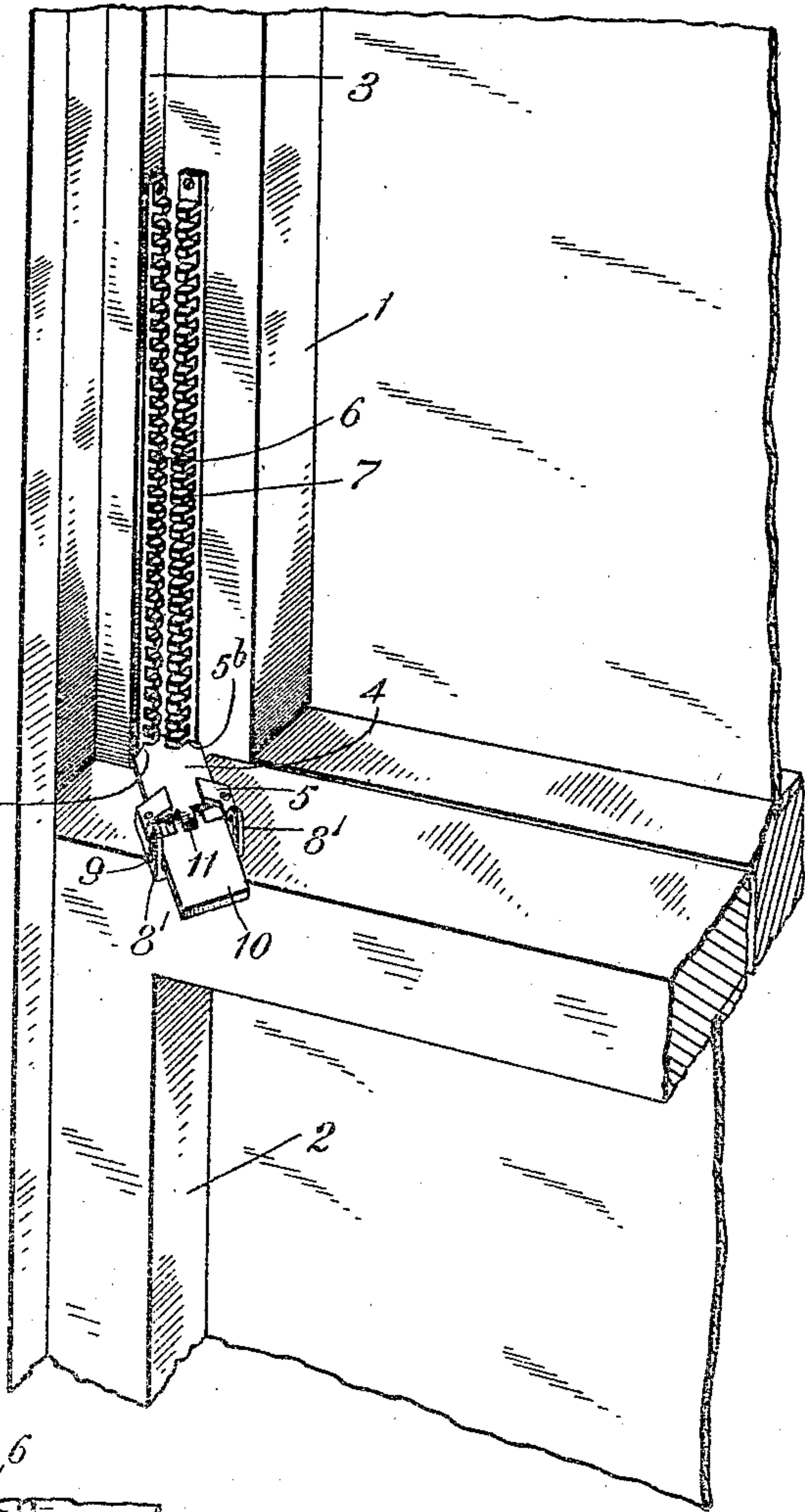


Fig. 1.

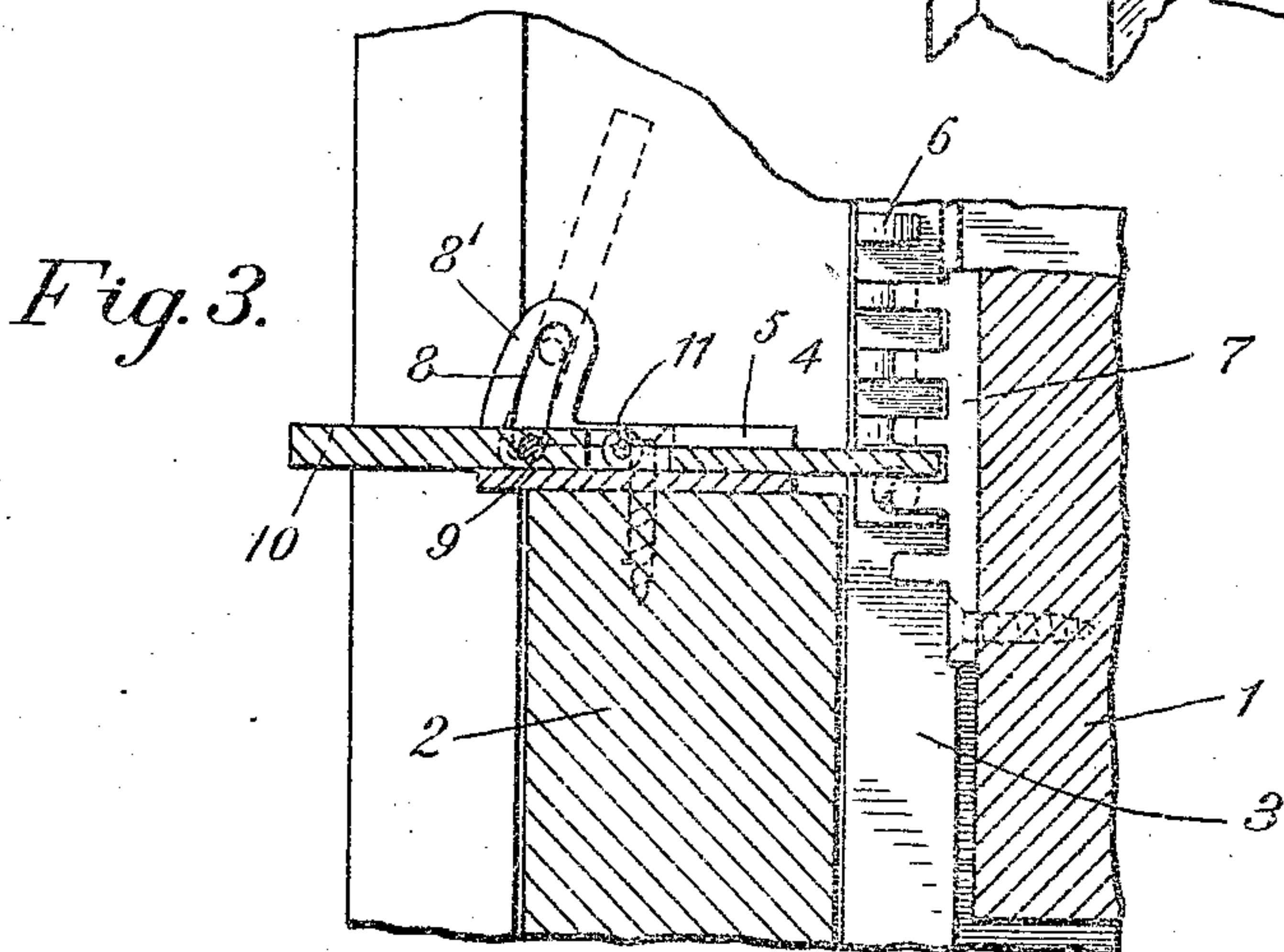


Fig. 3.

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Witnesses

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SASH-LOCK.

944,626.

Specification of Letters Patent.

Patented Dec. 28, 1909.

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To all whom it may concern:

Be it known that I, PETER F. NISSEN, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

My invention has for its primary object to provide an improved construction of the above type which is comparatively inexpensive to manufacture, is simple in construction, and through the medium of which both sashes can be securely locked either in open or closed position.

Other objects will be set forth as my description progresses and those features of construction, arrangements and combinations of parts on which I desire protection, succinctly defined in my annexed claims.

Referring to the accompanying drawing, in which like numerals of reference indicate like parts throughout: Figure 1 is a fragmentary view in perspective of a window provided with my sash lock. Fig. 2 is a horizontal sectional view thereof, on enlarged scale, and Fig. 3 is a fragmentary vertical sectional view thereof.

Referring to the drawing by numerals of reference, 1 and 2 indicate the upper and lower sashes respectively, which are slidably supported in a window frame, as shown, having the usual parting strip 3.

My improved lock includes a bolt 4, slidably supported in a frame 5, secured to the top or meeting rail of sash 2, and provided on its inner end portion with engaging parts 5^a, 5^b for engagement with suitable stops 6 and 7, provided on parting strip 3 and the adjacent side stile of sash 1. Stops 6 and 7 are arranged in vertical series and are conveniently provided by suitable racks, which are arranged so that their teeth will be in horizontal alinement when the sashes are in closed position, as will be readily understood by reference to Fig. 1.

Bolt frame 5 is provided at its rear end portion with vertically disposed guides 8,

conveniently in the form of curved slots formed in upwardly projecting frame extensions 8', which guides slidably receive the fulcrum pins 9 of an operating lever or handle 10, pivotally connected, as at 11, to bolt 4. Bolt 4, as now considered consists of a flat body and in operation, its frame is set in a diagonal position on sash 2, so that when said bolt is slid toward stops 6 and 7, it will engage the same simultaneously. As herein illustrated, the engaging parts 5^a, 5^b of bolt 4 conveniently consist of angularly disposed forward edge portions thereof.

In operation, to withdraw bolt 4, lever 10 is swung upwardly to the dotted position shown in Fig. 3, during which movement it is fulcrumed by pins 9 which engage in the guides 8 and slide upwardly therein as the bolt is withdrawn. A reverse operation of lever 10 slides bolt 4 into its locking position, at which time said lever will be in a horizontal position (see Fig. 3) and serve to hold said bolt against displacement from the stops 6 and 7.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States of America, is:

1. A sash lock comprising a frame, a lock member slidably supported on said frame, said frame being formed with angularly disposed guide means, and a lever pivoted to said lock member and provided with a fulcrum means slidably engaged with the guide means of said frame.

2. A sash lock comprising a frame provided with upwardly projecting extensions formed with slots, a bolt slidably supported on said frame, and a lever pivotally connected with said bolt, said lever extending between the extensions of said frame and provided with pins engaged in the slots thereof.

Signed at Seattle, Washington this 16th day of June 1909.

PETER F. NISSEN.

Witnesses:

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NILS LARSON.