

No. 887,354.

PATENTED MAY 12, 1908.

S. E. STERRETT.

SASH FASTENER.

APPLICATION FILED JAN. 15, 1907.

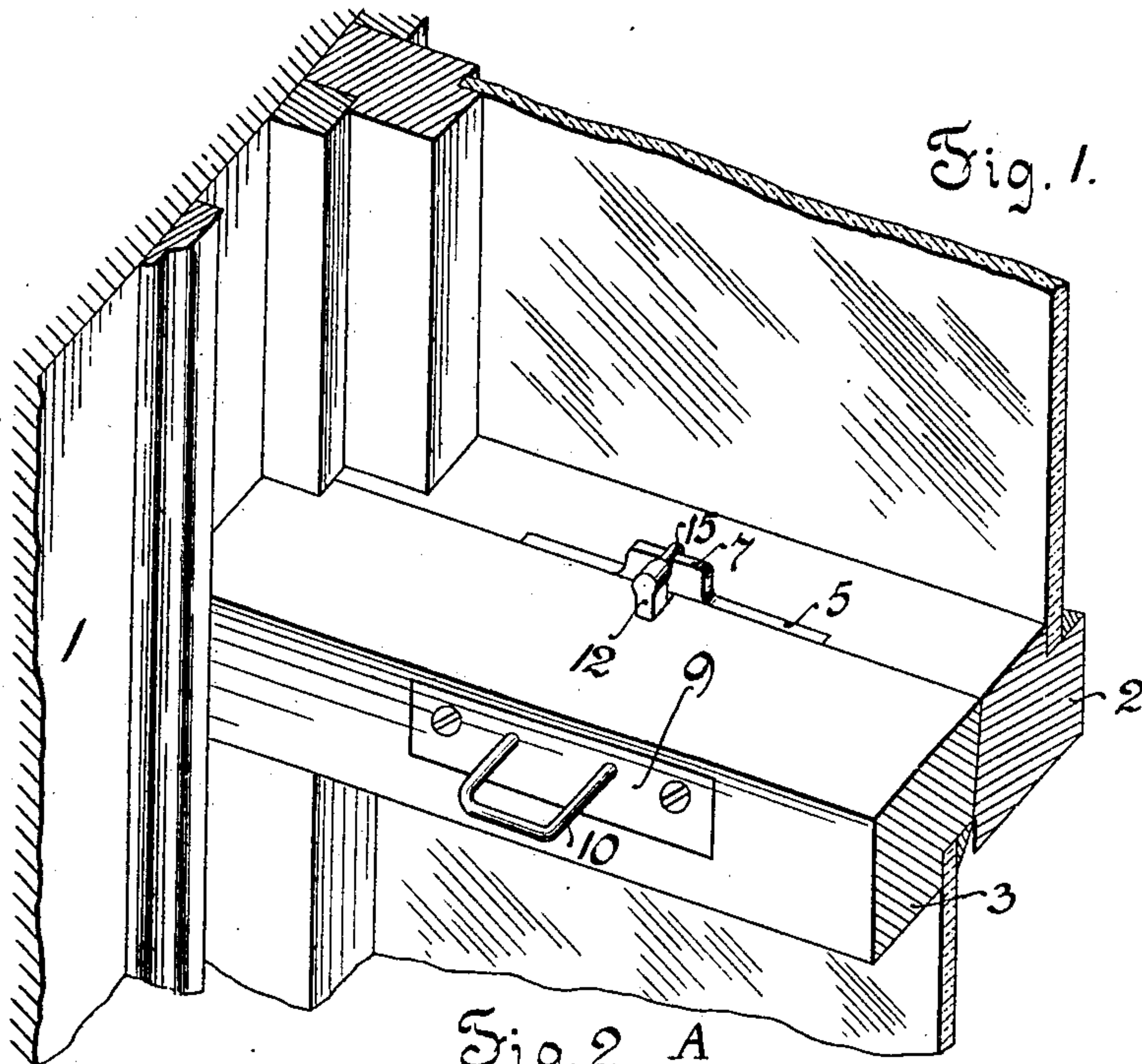


Fig. 2. A

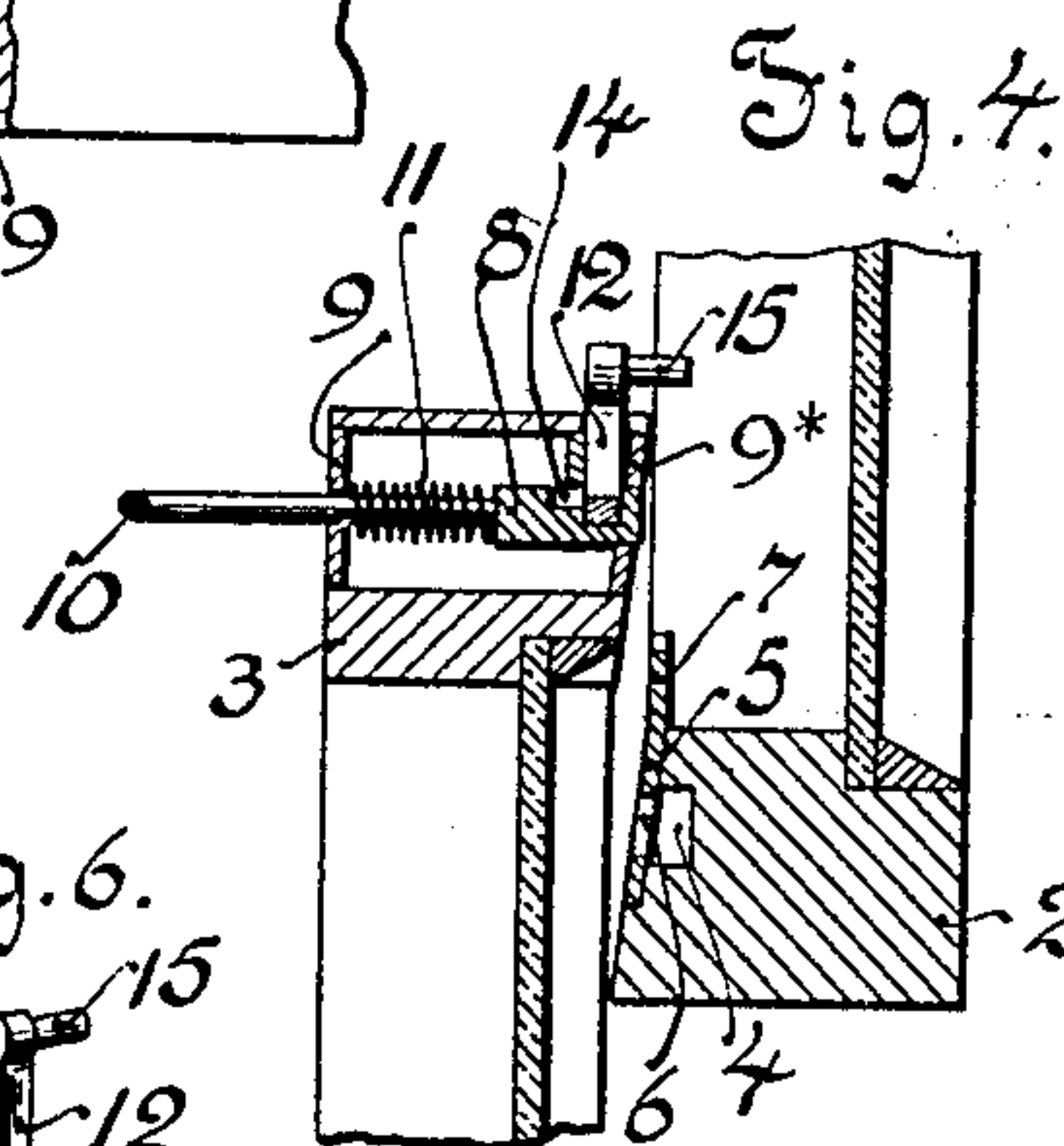
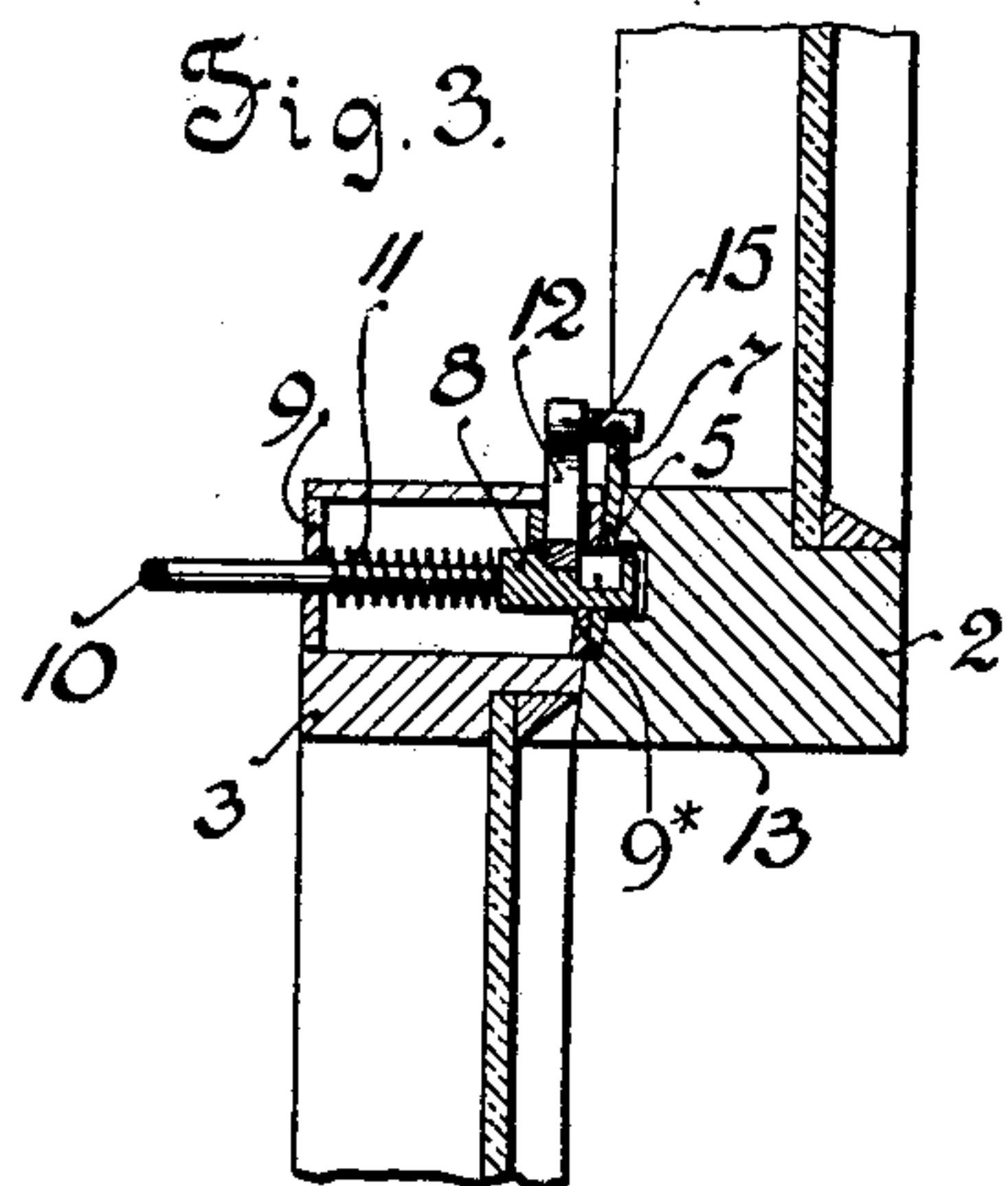
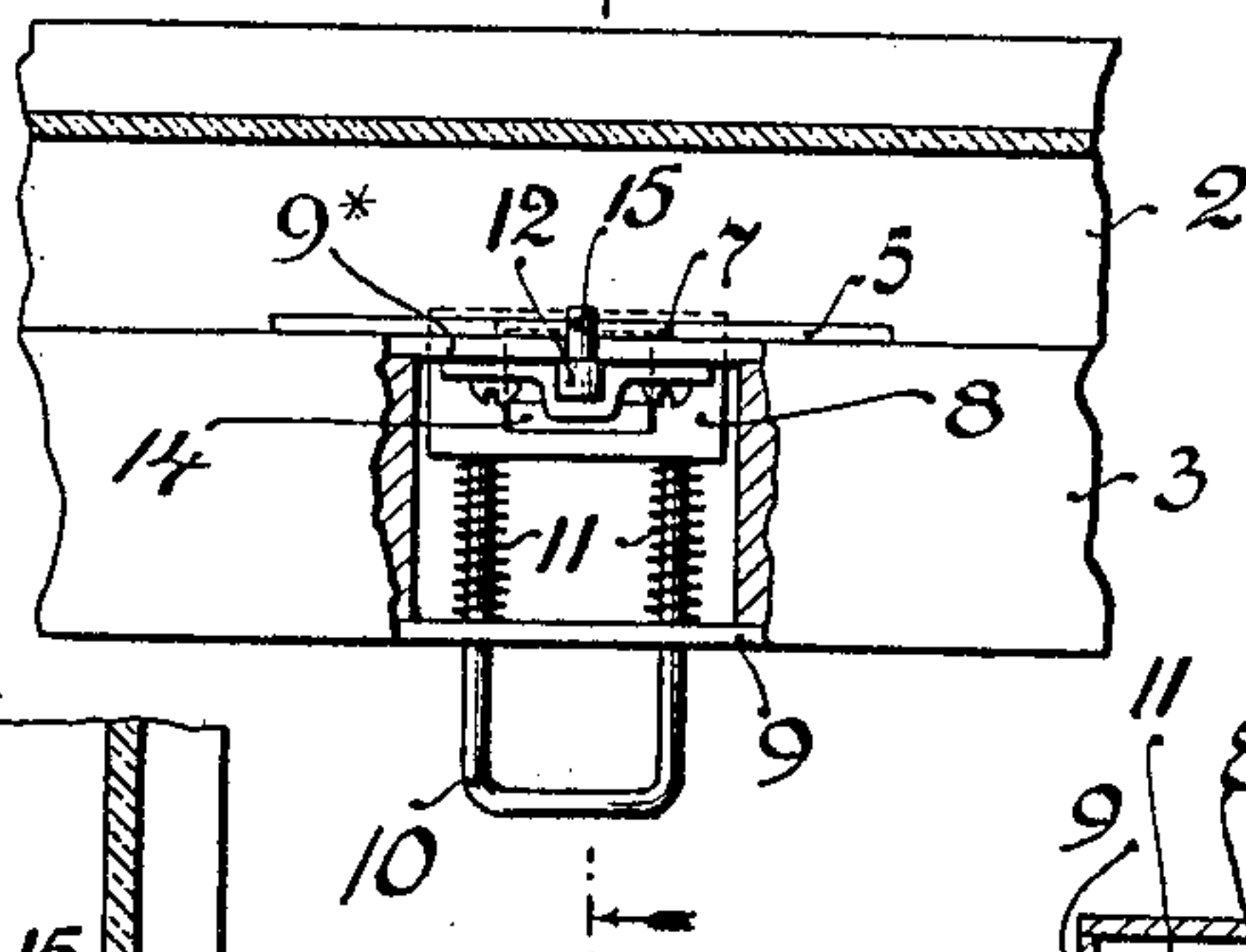


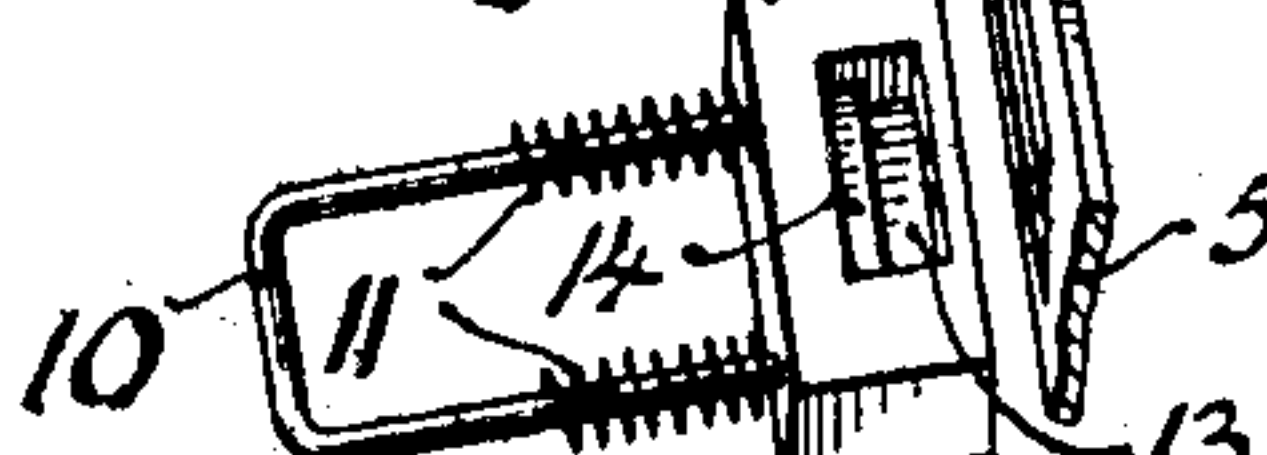
Fig. 6.



Fig. 7.



Fig. 5.



Witnesses:
Gustave Brown.
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SARAH E. STERRETT, OF PATERSON, NEW JERSEY.

SASH-FASTENER.

No. 887,354.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed January 15, 1907. Serial No. 352,355.

To all whom it may concern:

Be it known that I, SARAH E. STERRETT, a citizen of the United States, and resident of Paterson, in the county of Passaic and State of New Jersey, have invented new and useful Improvements in Sash-Fasteners, of which the following is a specification.

The object of this invention is to provide certain improvements in the construction, form and arrangement of the several parts of a sash fastener whereby a spring actuated bolt carried by one of the sashes is caused to automatically interlock with the other sash as the window is closed, means being provided for automatically holding the bolt in its withdrawn position when the window is opened.

A further object is to provide a device of the above character which will be very simple and in which the parts are so arranged that it will be impossible for a person to ascertain from the exterior of the window whether the window is locked or not and in which it will be extremely difficult for a person who has no knowledge of the structure of the fastener to unlock the sashes.

A practical embodiment of my invention is represented in the accompanying drawings, in which

Figure 1 represents a part of a window casing and the adjacent portions of two window sashes with my improved sash fastener applied thereto, the parts being in the position which they assume when the window is closed and the sashes are locked together, Fig. 2 is a detail horizontal section taken just above the meeting rails of the two sashes, a portion of the top rail of the lower sash being broken away to more clearly show the parts beneath the same, Fig. 3 is a vertical section taken in the plane of the line A—A of Fig. 2, looking in the direction of the arrows, showing the parts in the position which they assume when the window is closed, Fig. 4 is a similar view showing the position which the parts assume when the window is opened, Fig. 5 is a detail view of the spring actuated bolt and its operating handle, Fig. 6 is a detail perspective view of the bolt holding dog, and Fig. 7 is a detail view of the socket plate which carries the projection for engaging the bolt holding dog, when the window is closed.

The window casing is denoted by 1. The meeting rails of the upper and lower sashes are denoted by 2 and 3, respectively.

The meeting rail 2 of the upper sash is provided with a bolt receiving socket 4.

A socket plate 5 is suitably secured to the face of the bottom rail 2 of the upper sash adjacent to the face of the top rail 3 of the lower sash. This socket plate 5 is provided with a hole 6 therethrough communicating with the bolt receiving socket 4. This plate 5 is further provided with a projection 7 extending above the top of the rail 2, which projection is arranged in position to release the bolt to be hereinafter described, from its withdrawn position.

A horizontally movable spring actuated bolt is denoted by 8 and it is mounted in front and back plates 9, 9*, carried by the top rail 3 of the lower sash. This bolt 8 is provided with an exposed handle 10 which is herein formed by providing the bolt with a U-shaped shank, the branches which lead from the bolt extending through the exposed face of the sash rail 3 on the inner side of the window.

The springs which tend to throw the bolt through the hole 6 in the plate 5 and into the recess 4 in the bottom rail 2 of the upper sash are denoted by 11 and are shown as surrounding the branches of the handle 10 and interposed between the bolt and the front plate 9.

A vertically sliding gravity operated dog 12 is arranged to hold the bolt in its withdrawn position when the window is open and to release the bolt as the window is closed, as follows:—The bolt 8 is provided in its top face with a stepped recess, the deeper portion being denoted by 13 and the shallower portion by 14.

The dog 12 is provided with a pin 15 which is arranged to be engaged by the projection 7 on the plate 5 as the window is closed for lifting the dog 12 a sufficient distance to withdraw the same from the deeper recess 13 in the bolt 8. This lifting movement of the dog does not entirely withdraw the same from within the plane of the bolt but permits the bolt to slide forward a limited distance sufficient to lock the two sashes together, the forward movement of the bolt being limited by the dog, which is located in position to enter the shallower portion 14 of the recess in the said bolt.

To unlock the sashes, the handle 10 of the bolt must be manually operated to withdraw the bolt from its engagement with the upper sash. The dog 12 however, is held in its raised position until the window is opened a

slight distance thus permitting the dog to drop into the deeper part 13 of the recess in the bolt and thus hold the bolt in its withdrawn position.

- 5 As the window is closed, the projection 7 on the plate 5 will engage the pin 15 as hereinabove described, for permitting the springs 11 to throw the bolt into its locking position.

What I claim is:—

- 10 1. A sash fastener comprising a spring-actuated bolt within one sash, a depression in the top of said bolt, a vertically sliding gravity-operated dog fitted to engage said depression for holding the bolt in its with-
15 drawn position when the window is open, and a device arranged to be carried by the other sash in position to lift the dog out of its engagement with the depression for automatically releasing the bolt as the window is closed
20 to permit the bolt to move into locking engagement with said last named sash.

2. A sash fastener comprising a bolt, a plu-

rality of springs for actuating it, said bolt being situated within one sash, a bolt handle protruding horizontally from the inner face 25 of said sash, a depression in the top of the bolt, a vertically sliding gravity-operated dog fitted to engage the depression for holding the bolt in its withdrawn position when the window is open, and a device arranged to 30 be carried by the other sash in position to lift the dog out of its engagement with the depression for automatically releasing the bolt as the window is closed to permit the bolt to move into locking engagement with said last 35 named sash.

In testimony that I declare the foregoing as my invention, I have signed my name in presence of two witnesses, this second day of January A. D. 1907.

SARAH E. STERRETT.

Witnesses:

EUGENE EMLEY,
ROYLON E. HORTON.