

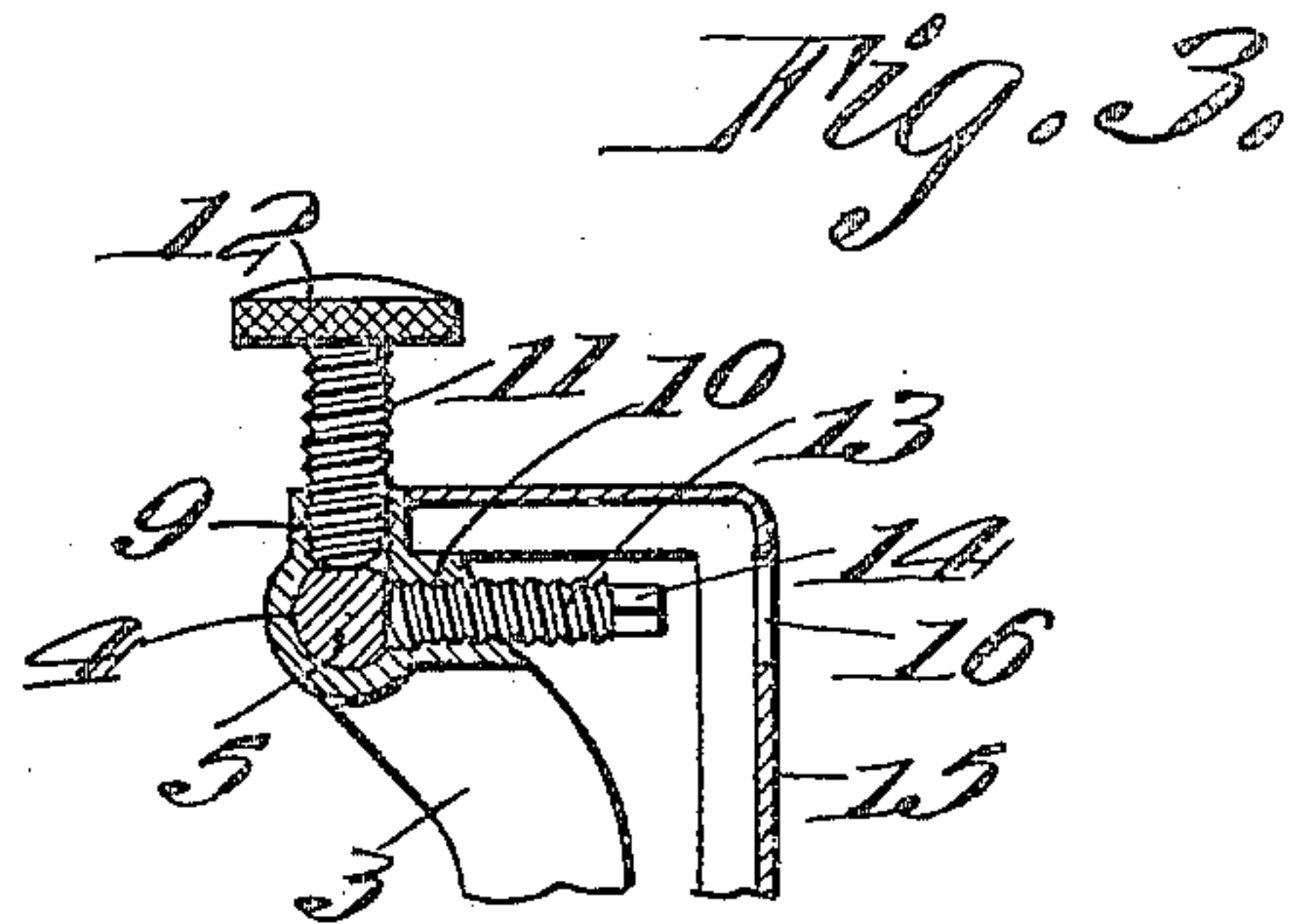
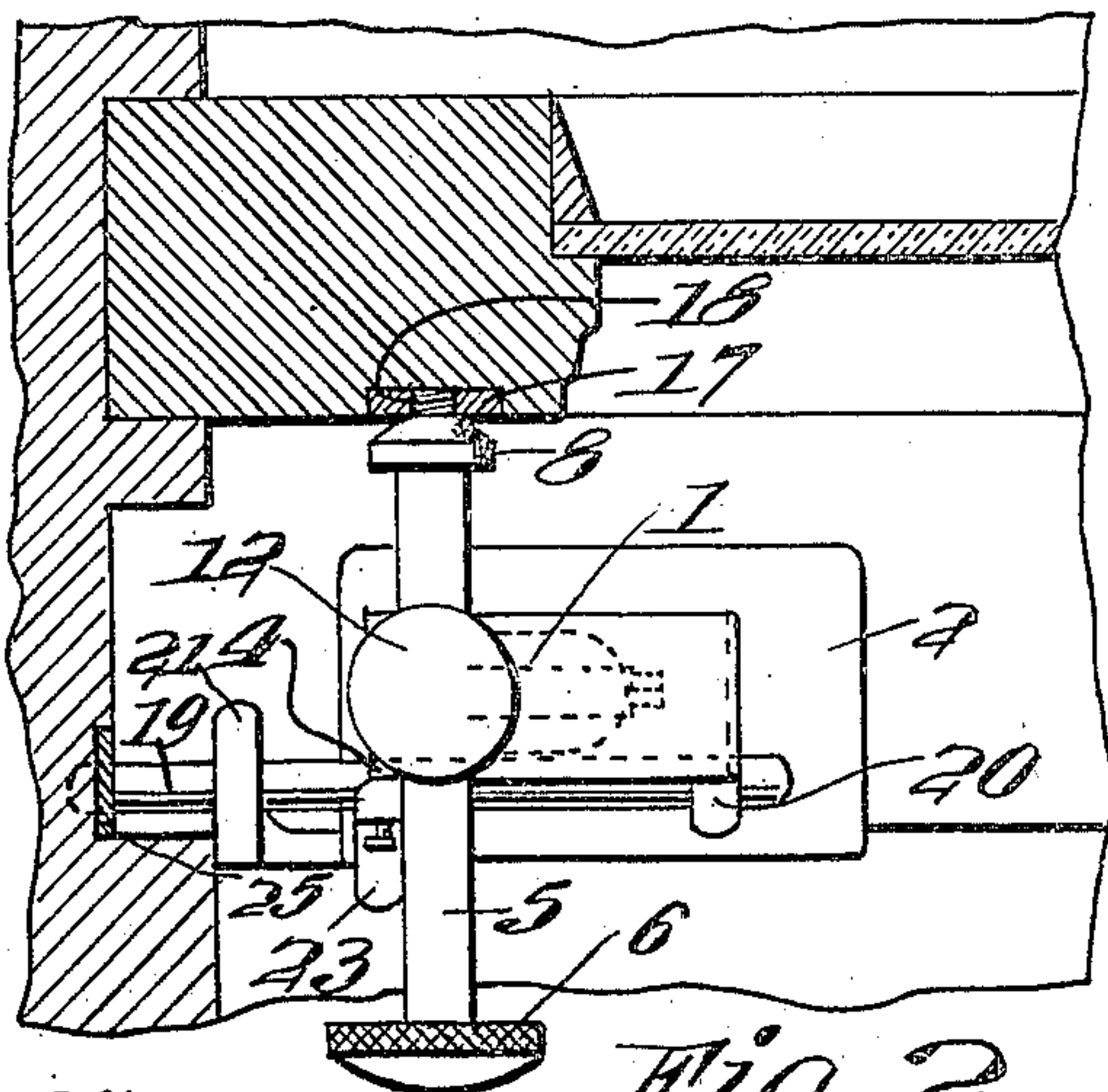
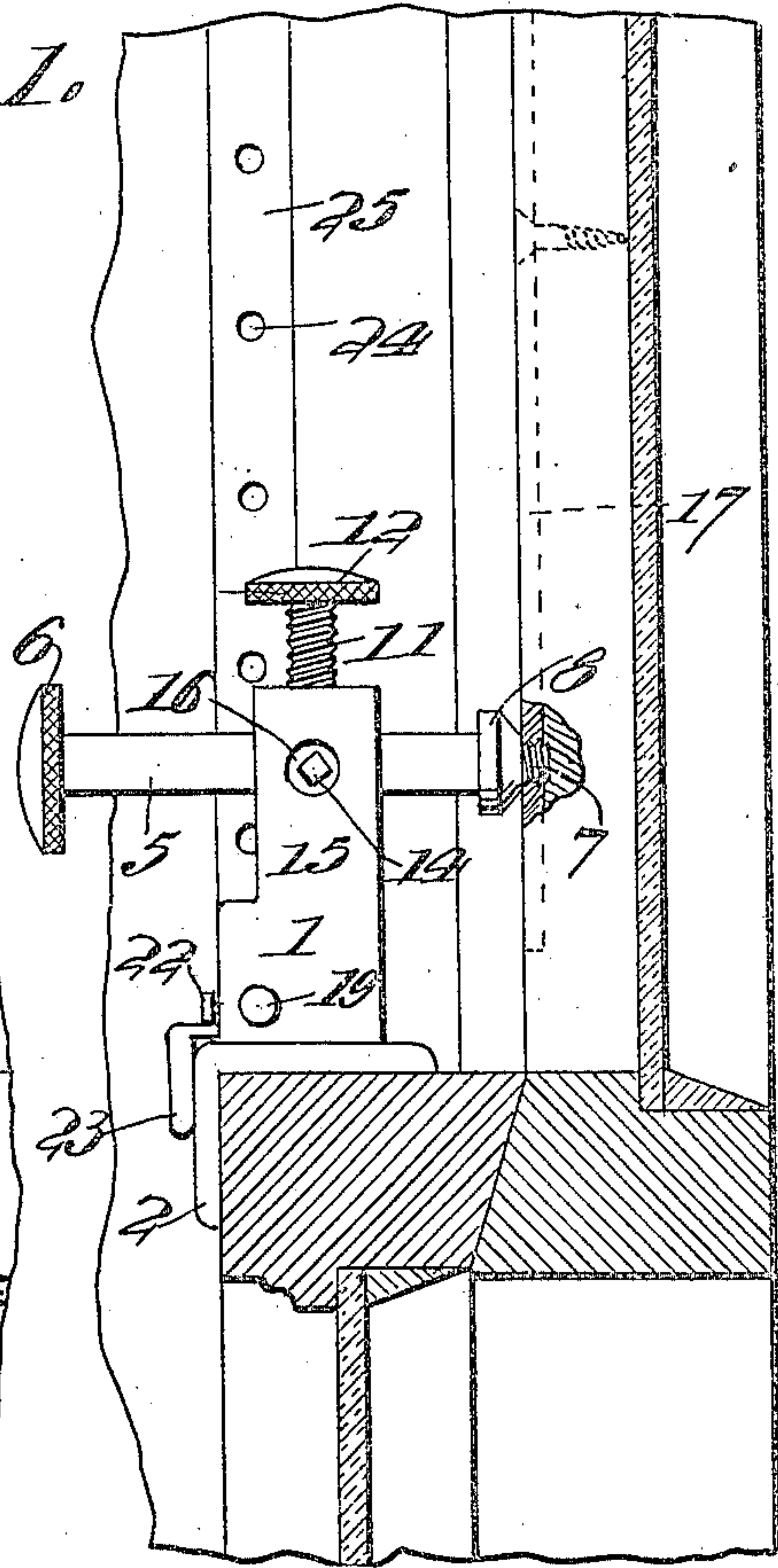
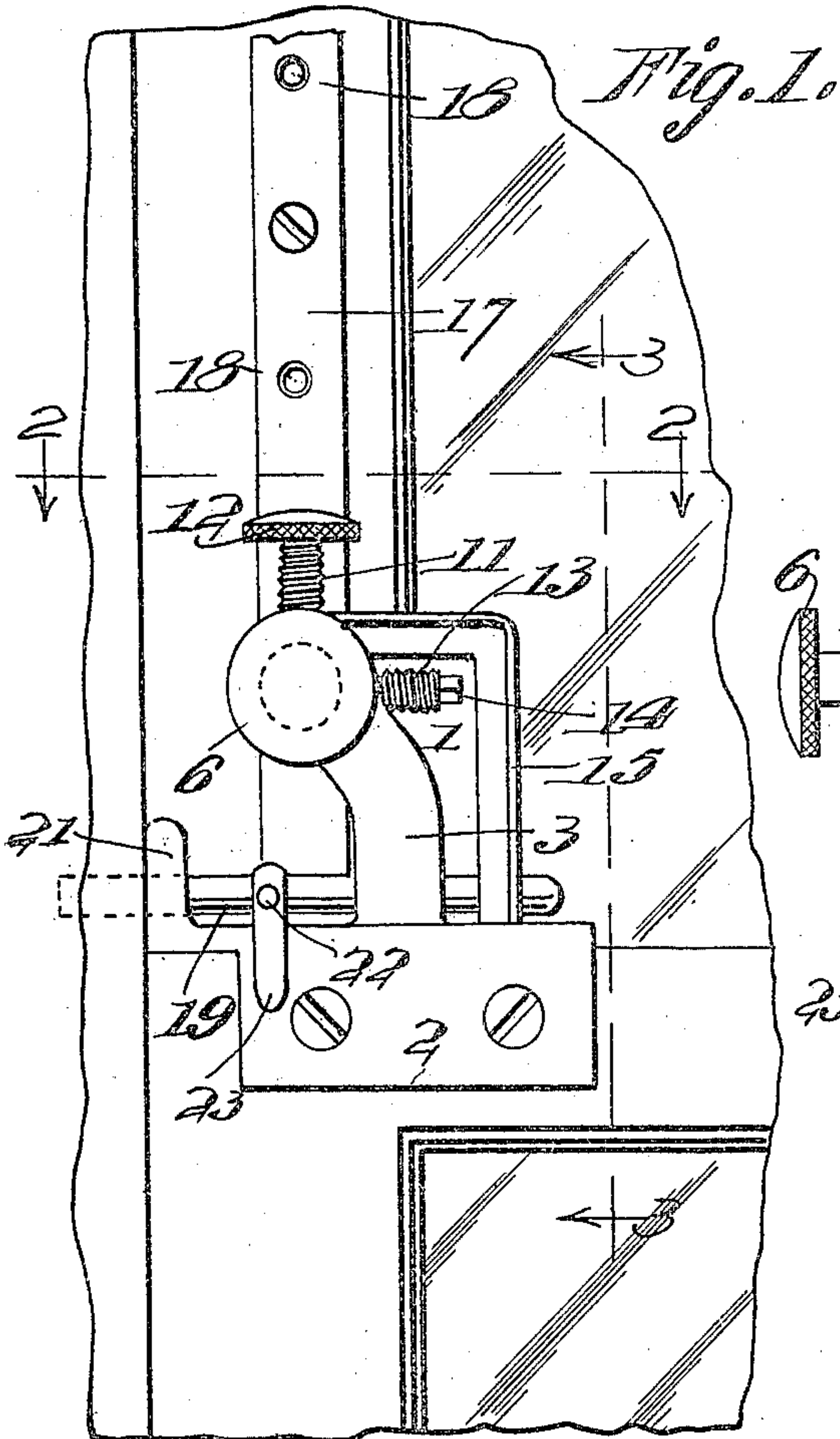
M. J. FOGARTY.

SASH FASTENER.

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952,516.

Patented Mar. 22, 1910.



Witnesses
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Fig. 2.

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UNITED STATES PATENT OFFICE.

MATTHEW J. FOGARTY, OF CLEVELAND, OHIO.

SASH-FASTENER.

952,516.

Specification of Letters Patent. Patented Mar. 22, 1910.

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To all whom it may concern:

Be it known that I, MATTHEW J. FOGARTY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sash-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in sash fasteners.

One object of the invention is to provide an improved construction of sash fastener by means of which either or both the upper and lower sashes may be locked at different positions.

Another object is to provide a sash fastener of this character which can not be readily unlocked from the outside and which will be simple, strong and durable in construction, efficient and reliable in operation and well adapted for the purpose to which it is designed.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be fully described and particularly pointed out in the appended claim.

In the accompanying drawings: Figure 1, is a side view of the meeting portions of the upper and lower sashes and a portion of the window frame showing the application of the invention thereto, the frame being shown in section. Fig. 2, is a horizontal section on the line 2—2 of Fig. 1, showing the fastening in top plan. Fig. 3, is a vertical section on the line 3—3, showing the fastening in end elevation; and Fig. 4, is a detail section of the fastening on the line with the auxiliary locking devices.

Referring more particularly to the drawings, 1 denotes my improved fastener which comprises a right angular base plate 2, on which is formed a bearing bracket or standard 3, in the upper end of which is formed a bearing aperture 4, in which is slidably and revolvably mounted a sash engaging bolt 5, having on its outer end a head 6, and having its inner end threaded, as shown at 7. On the threaded end 7, is preferably arranged a stop plate or nut 8.

In the upper portion of the bracket 3, is

arranged a vertically disposed threaded passage 9, and a horizontally disposed threaded passage 10, is formed in one side of the bracket. Said passages 9 and 10, communicate at their inner ends with the bearing passage 4, in which the bolt 5, is mounted. In the passage 9, is arranged a set screw 11, adapted to be screwed into engagement with the bolt 5, to prevent any rotary or longitudinal movement of the bolt in the passage 4. The set screw 11, is preferably provided with the milled head 12, to facilitate the operation thereof. In addition to the set screw 11, I provide a set screw 13, which is arranged in the threaded passage 10, and is provided on its outer end with a reduced key receiving projection 14, whereby said screw is secured into engagement with the bolt 5 to provide an additional locking means for securing the bolt against movement in the passage 4.

The fastener is preferably provided with a guard plate 15, having an aperture 16, therein to permit the engagement of a key with the extension 14, of the screw. A guard plate 15, is provided to afford additional protection against the danger of the fastener being tampered with from the outside. The bolt 5, is preferably provided with flattened surfaces against which the inner ends of the said screws are engaged, thus enabling the screws to more securely hold the bolt against turning in the passage 4.

The base plate 2, is adapted to be screwed or otherwise secured to the upper cross bar of the lower sash adjacent to the side bar or rail of the same. To the side rail of the upper sash adjacent to the fastener is secured a locking plate 17, in which is formed a series of threaded sockets 18, into which is adapted to be screwed the threaded end of the bolt 5. By thus engaging the bolt with the sockets in the plate 17, the sashes may be secured into a closed position or an open position. The plate 17, is preferably set into the side bar or rail of the upper sash so that the outer surface of the plate is flush with the surface of the bar and said plate is secured by screws or other suitable fastening devices.

In addition to the sash locking bolt, I preferably provide an auxiliary locking mechanism comprising a bolt 19, which is slidably mounted in a transversely disposed

passage 20 in the lower portion of the bracket 3, and in a guide bracket 21, secured to an extension of the base plate 2, as shown. The bolt 19, has secured thereto, preferably by means of a set screw 22, an operating finger or handle 23, which is curved downwardly adjacent to the outer side of the base plate as shown. The bolt 19, is adapted to be slid laterally into and out of engagement with sockets 24, formed in a locking plate 25, which is secured to the window frame between the inner stop strip and the parting strip and is set into the frame so that the outer surface of the plate is flush with the outer side of the frame between said stop and parting strips, thus permitting the lower sash to slide up and down over the plate until opened to the desired position at which time the bolt 19, is shot into one of the sockets 24, thereby holding the sashes in their adjusted positions in the frame.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the ad-

vantages of the invention, as defined in the appended claim.

Having thus described my invention, what I claim is:—

In a sash fastener, a right angular base plate adapted to be secured to the upper cross bar of the lower sash of a window, a bearing bracket formed on said base plate, said bracket having a bearing passage, a locking bolt slidably and revolubly mounted in said passage, a locking plate carried by the upper sash and having formed therein a series of sockets adapted to receive the end of said bolt, whereby the sashes are locked in open or closed position; a set screw arranged in the upper side of said bracket and adapted to be screwed into engagement with said bolt, a head on said set screw, a key operated set screw arranged in one side of said bracket and adapted to be screwed into engagement with said locking bolt, a guard plate over said key operated screw, and means to lock the adjusted sashes to the window frame.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MATTHEW J. FOGARTY.

Witnesses:

JOSEPH LASBY,
EUNICE GRUETTNER.