

(No Model.)

J. T. THOMPSON.
SASH FASTENER.

No. 606,101.

Patented June 21, 1898.

Fig. 1.

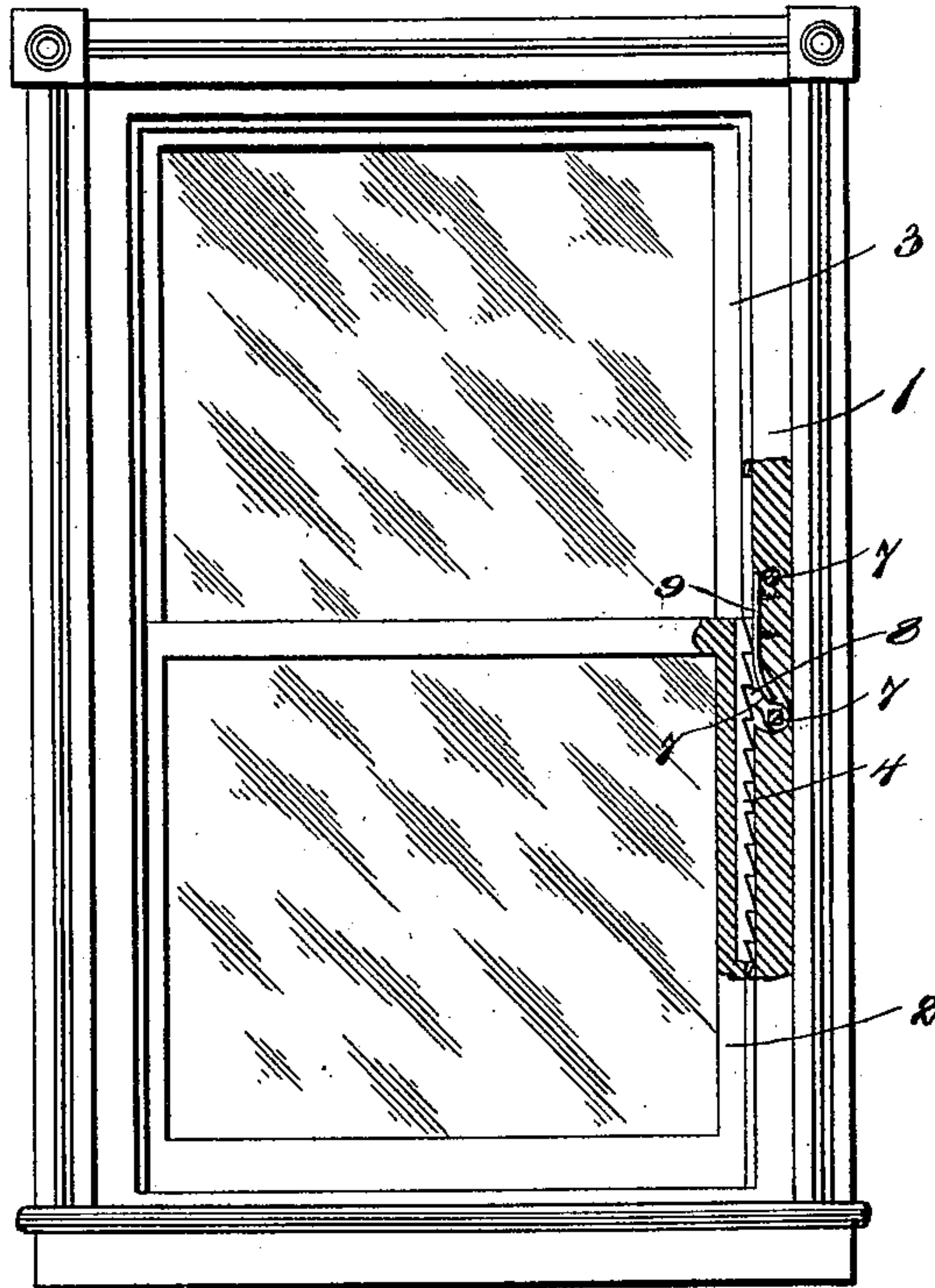


Fig. 2.

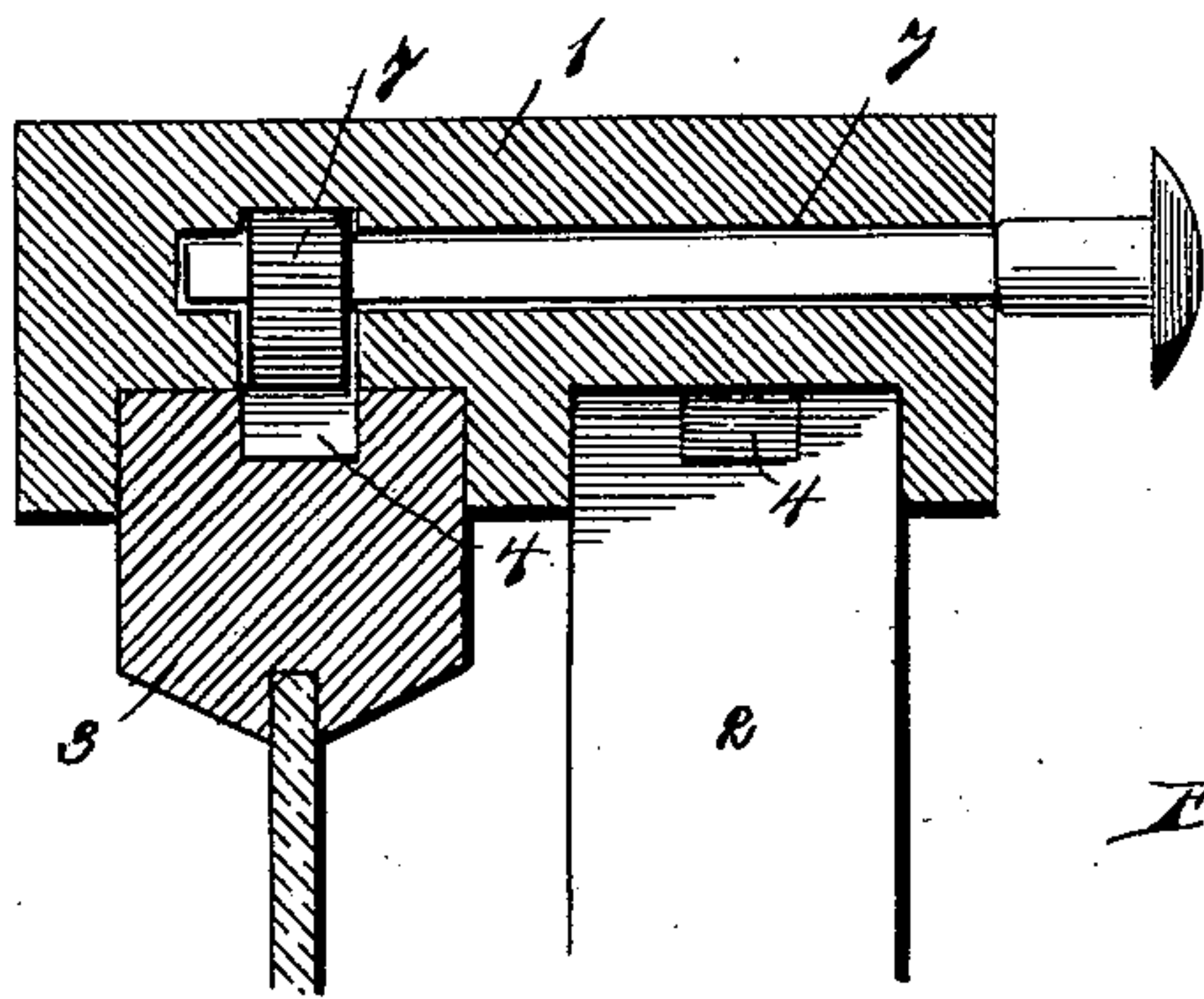


Fig. 3.

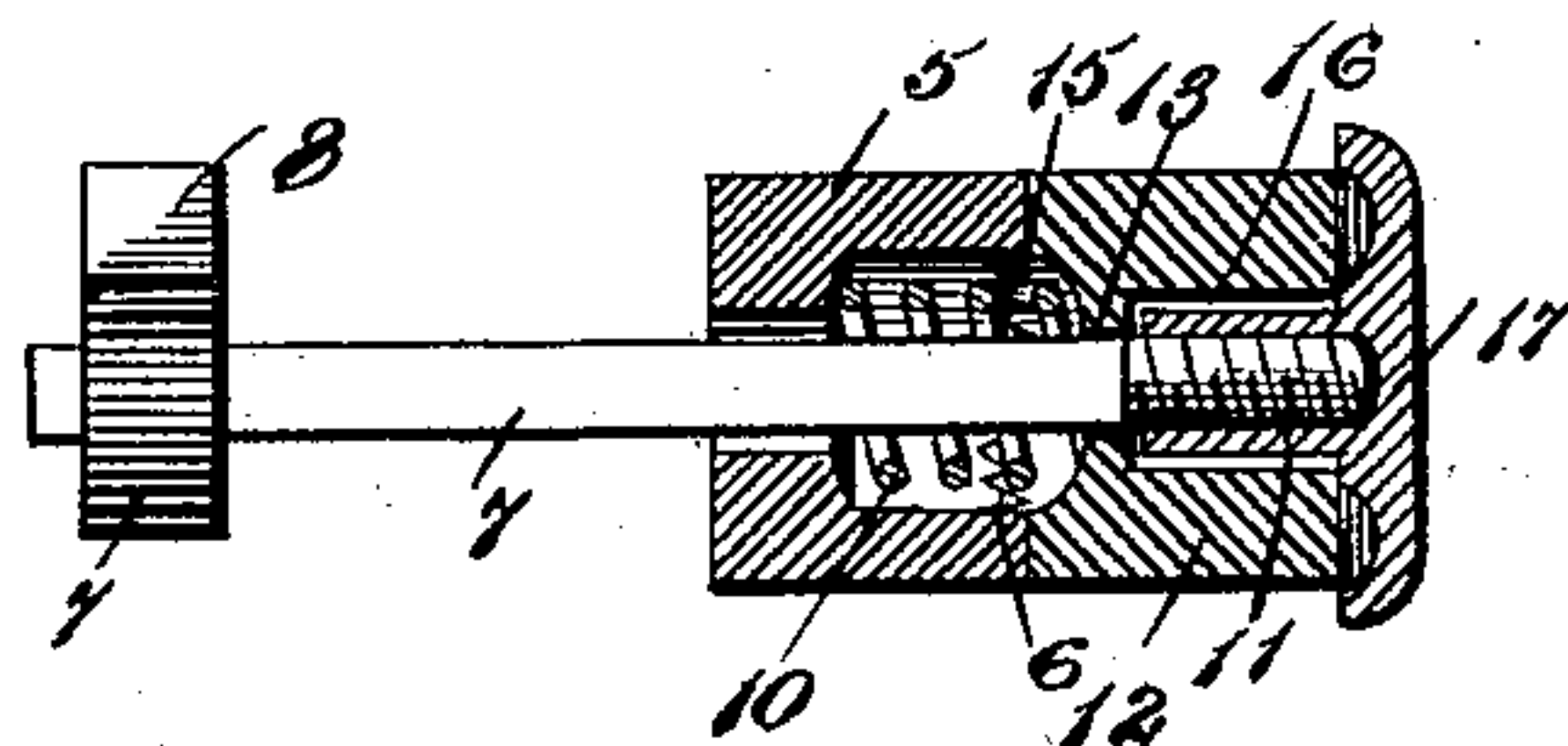
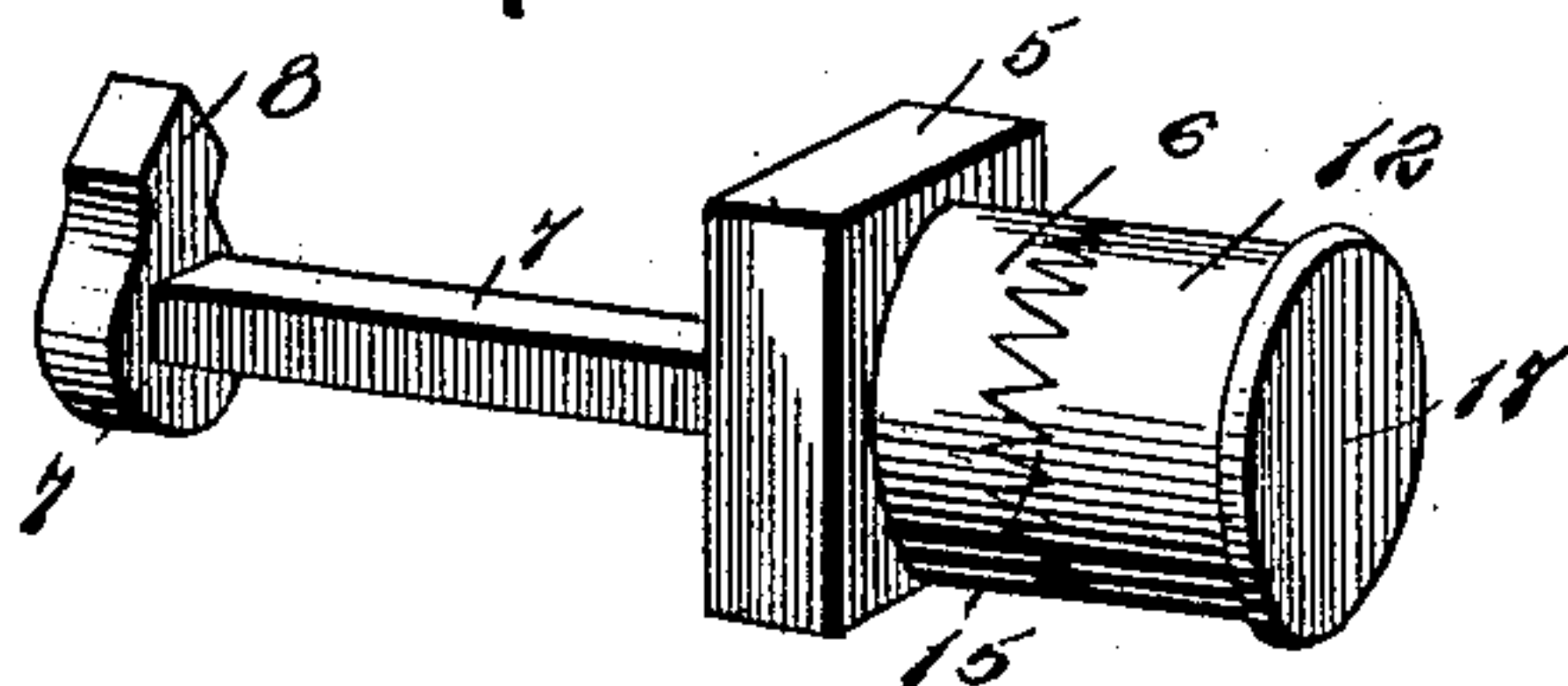


Fig. 4.



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JOHN T. THOMPSON, OF BALTIMORE, MARYLAND.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 606,101, dated June 21, 1898.

Application filed June 18, 1897. Serial No. 641,233. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. THOMPSON, of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby 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.

My invention relates to sash-fasteners.

My object is to provide a sash-fastener of simple and cheap construction, whereby the sash may be held locked at any desired point, so that the necessity of employing sash guards and weights is obviated, and which will prevent rattling of the sashes.

The invention consists of a sash-fastener comprising certain novel features and combinations of parts appearing more fully herein-after.

In the accompanying drawings, Figure 1 is a front view, partly in section; Fig. 2, a cross-section showing the upper-sash fastener; Fig. 3, a longitudinal section of the lower-sash fastener and Fig. 4 a perspective view of the fastener shown in Fig. 3.

The window-frame is shown at 1 and the sashes at 2 and 3. Each sash has a rack 4 sunk in its edge, the teeth of which rack point downwardly. I will first describe the fastener for the lower sash.

The numeral 5 designates a plate sunk in the window-frame and provided with an annular toothed portion 6.

The numeral 7 designates a squared spindle which passes through an opening in the aforesaid plate and is adapted to turn therein. At 7 there is shown a locking-dog which is secured to the inner end of the spindle and is provided with a double-pointed end 8.

The numeral 9 designates a leaf-spring which bears against the dog and is adapted to throw the same outwardly toward the sash. The spindle is encircled by a coil-spring 10 and provided with a screw-threaded end 11.

The numeral 12 designates the locking member, having a squared portion 13 adapted to fit and slide on the spindle, and this member is provided with an annular row of teeth 15, adapted to engage those of the plate 5. This locking member bears against the spring. The upper portion of said locking member is

provided with a circular recess 16, and 17 designates a knob screwed on the spindle and having a cylindrical portion received in the outer opening of the locking member. It will be seen that by turning the locking member the dog can be retracted, and by causing the teeth of said member to engage those on the plate 5 and then screwing down the knob, whereby the engagement is made permanent, the dog will be held retracted and the sash can be slid up or down, as desired. As soon as the knob is unscrewed the spring causes the locking member to disengage with the plate. The leaf-spring then throws the dog outward and in engagement with the rack of the sash, whereby said sash is prevented from dropping. If when the dog is thus in engagement with the teeth of the rack the locking member be made to engage with the teeth of the plate 5 and held there by the knob, the sash cannot be pushed either up or down.

A similar construction can be employed in connection with the upper sash, Fig. 2, but as the same is not so frequently used as the lower sash it is sometimes preferable to dispense with the plate 5, the coil-spring, and the locking member and to secure the knob directly to the spindle. It will be observed that the upper sash can be operated from the inside only.

Slight changes in construction could be resorted to in carrying out the present invention without detracting from any of the advantages of the same, and I therefore reserve the right to make all such changes as come within the spirit and scope of the invention.

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

In a sash-fastener, the combination with a window-sash, of a rack countersunk in the edge thereof, and having downwardly-disposed teeth, a window-frame, a squared spindle extending into the frame, an oscillatory dog secured to the spindle and designed to engage the rack, a rectangular locking-plate 5 provided with an enlarged opening for the spindle, an annular toothed projection extending from one face of the locking-plate, a cylindrical locking member, provided with a comparatively large shallow recess in one end and a deep circular recess in its opposite end

defining an intermediate diaphragm, having
a squared aperture for the reception of the
spindle, teeth upon the locking member en-
gaging the teeth upon the locking-plate pro-
5 jection, a knob extending into the deep re-
cess in the locking member, and screwed upon
the end of the spindle and having an enlarged
head abutting against the outer end of the
locking member, and extending beyond its
10 periphery, said knob being designed to con-
trol the movement of the locking member
upon the spindle and to oscillate the latter

to operate the dog, and a leaf-spring secured
to the face of the frame and having its lower
end bent inwardly into engagement with the 15
dog, substantially as specified.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

JOHN T. THOMPSON.

Witnesses:

A. V. COURTENAY,
WM. S. HAMMOND.