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J. W. STATON.

SASH FASTENER.

APPLICATION FILED JUNE 15, 1905.

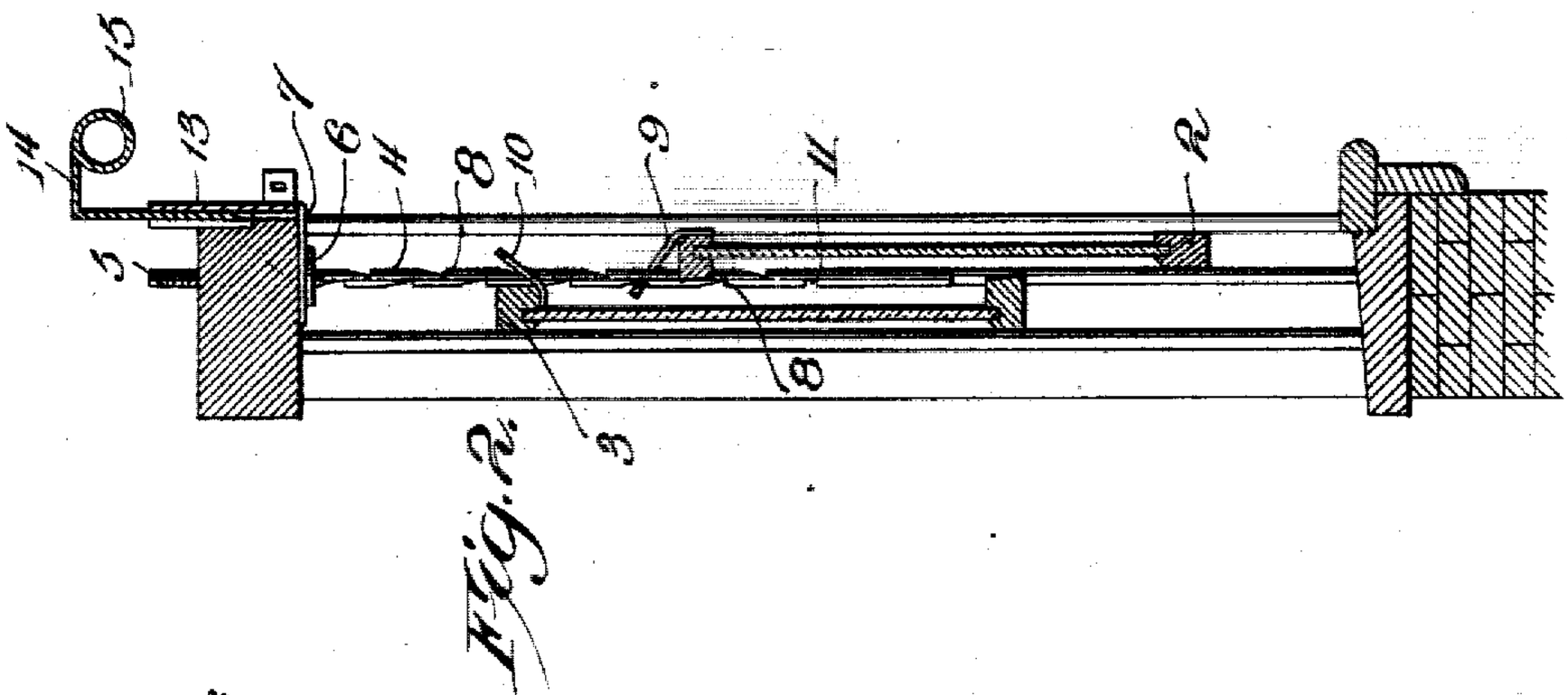

Fig. 2.

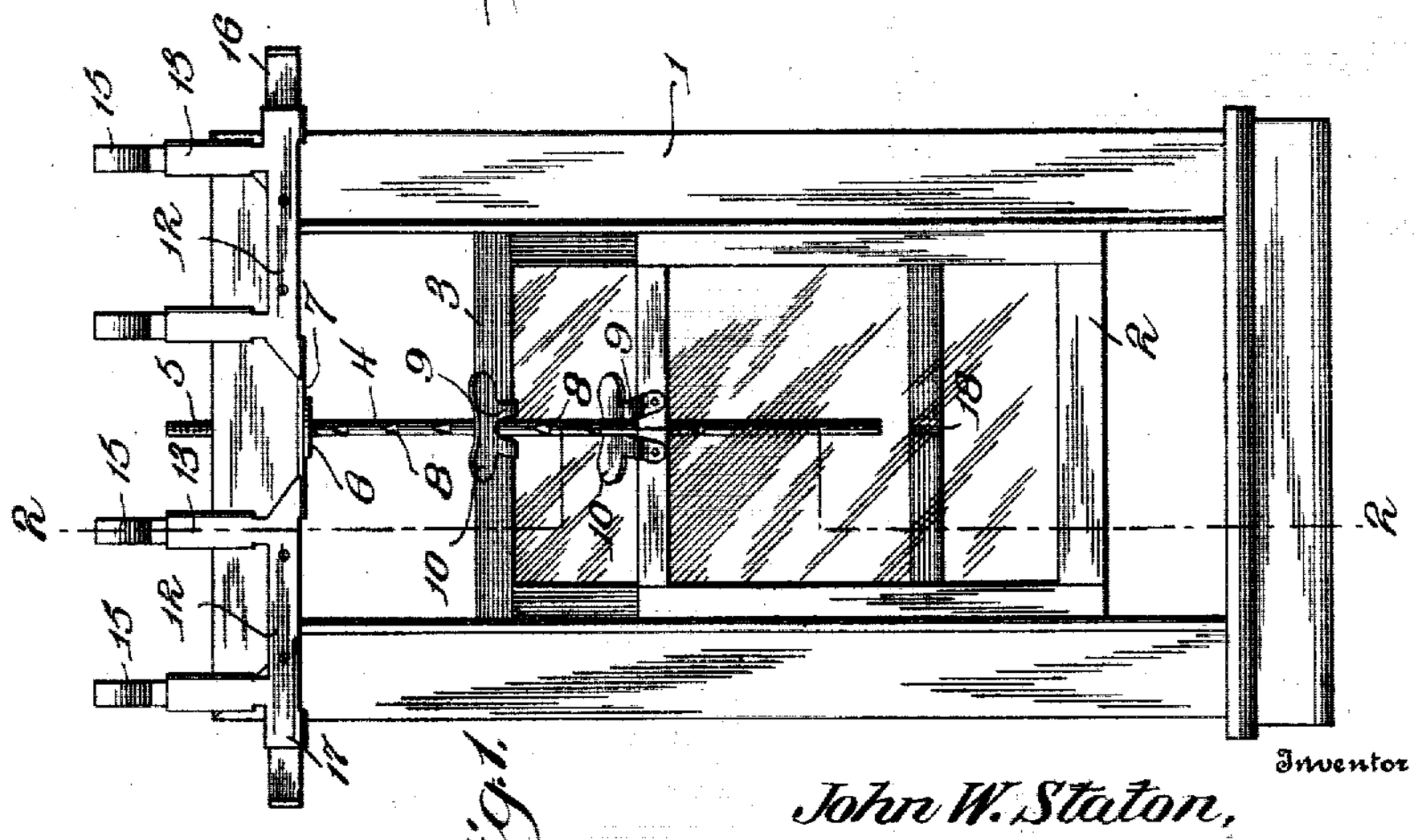

Fig. 1.

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UNITED STATES PATENT OFFICE.

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SASH-FASTENER.

No. 811,803. Specification of Letters Patent. Patented Feb. 6, 1906.

Application filed June 15, 1905. Serial No. 265,428.

To all whom it may concern.

Be it known that I, JOHN WILLIAM STATON, a citizen of the United States, residing at Brownwood, in the county of Brown and State of Texas, 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 window attachments, and it is more particularly a combined sash support and lock.

The object of the invention is to provide an attachment of simple construction which can be readily connected to a window-frame and which will support either or both of the sashes in raised position without the necessity of employing counterbalances.

A still further object is to provide a support which also constitutes a lock and prevents the window-sashes from being opened from the outside.

With the above and other objects in view the invention consists of the novel construction, hereinafter more clearly set forth, and pointed out in the claim.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings, Figure 1 is an elevation of a window having my improved attachment. Fig. 2 is a section on line 2 2, Fig. 1.

Referring to the figures by numerals of reference, 1 is a window-frame having a lower sash 2 and an upper sash 3, mounted therein. These sashes are not provided with counterbalances, but are adapted to be supported in raised positions by means of my improved holder. As shown in the drawings, the holder consists of a rod 4, having a threaded end 5, which projects into engagement with the top of the window-frame at the center thereof. This rod has a collar 6, which serves to clamp a plate 7 upon the lower surface of the top of the casing. The rod 4 is provided in opposite portions with notches 8, the lower walls of which are at right angles to the longitudinal center of the rod, while the upper walls are inclined. These notches are adapted to be engaged by forked plates 9, which are secured to the top rails of the sashes and straddle the rod. Each of these plates has wings 10, which serve the purpose of thumb-pieces, which permit them to be readily depressed, so as to swing out of engagement with the notches.

A rectangular recess or notch 11 is formed in the lower portion of the rod 4 and is adapted to be engaged by the lower plate 9 when its sash is in its lowest position. It is therefore impossible to raise the lower sash from the outside.

The plate 7, heretofore referred to, constitutes the base of the curtain-support. This base has integral flanges 12, which overlap and are suitably secured to the top of the window-frame and have integral sleeves 13, extending upward from them. Each sleeve is engaged by one end of an angular bracket 14, terminating in a pole-receiving eye or loop 15. Slides 16 are mounted within the ends of the flanges 12 and are held in proper relation thereto by inwardly-bent ears 17. These slides are angular and are adapted to support a shade-roller.

It will be understood that when either of the sashes is pushed upward its locking-plate 9 will slide over the notches in the rod 4; but when the upward movement is stopped said plate will engage the nearest notch and hold the sash suspended. When it is desired to lower the sash, it is necessary to press the plate upward, so that it will swing out of the notch. When the lower sash is closed, this plate 9 engages the recess 11, and said sash cannot, therefore, be raised until after the plate has been pressed out of the notch 11. In order to accommodate the rod 4 between the sashes 2 and 3, it is necessary to groove their top and bottom rails, as shown at 18.

A fastener of the character described not only secures the sashes in raised position and locks them when closed, but also prevents rattling, inasmuch as the spring locking-plates 9 bind them against the rods.

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

The combination with a window-frame and sashes therein; of a rod having screw-threads at one end and extending through and secured to the upper end of the sash, said rod having oppositely-disposed series of notches therein and said rod extending between the sashes, and forked spring locking-plates rigidly secured at one end to the sashes and straddling the rod and adapted to engage

the notches in the series farthest removed from the sashes to which said plates are secured, and laterally-extending wings at the free end of each locking-plate, the weight of said sashes being adapted to clamp the rod between the sashes and their locking-plates.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN WILLIAM STATON.

Witnesses:
I. P. ANDERSON,
ROY STATON.