

No. 725,662.

PATENTED APR. 21, 1903.

J. BOHLEN.
SASH FASTENER.

APPLICATION FILED AUG. 16, 1902.

NO MODEL.

Fig. 1.

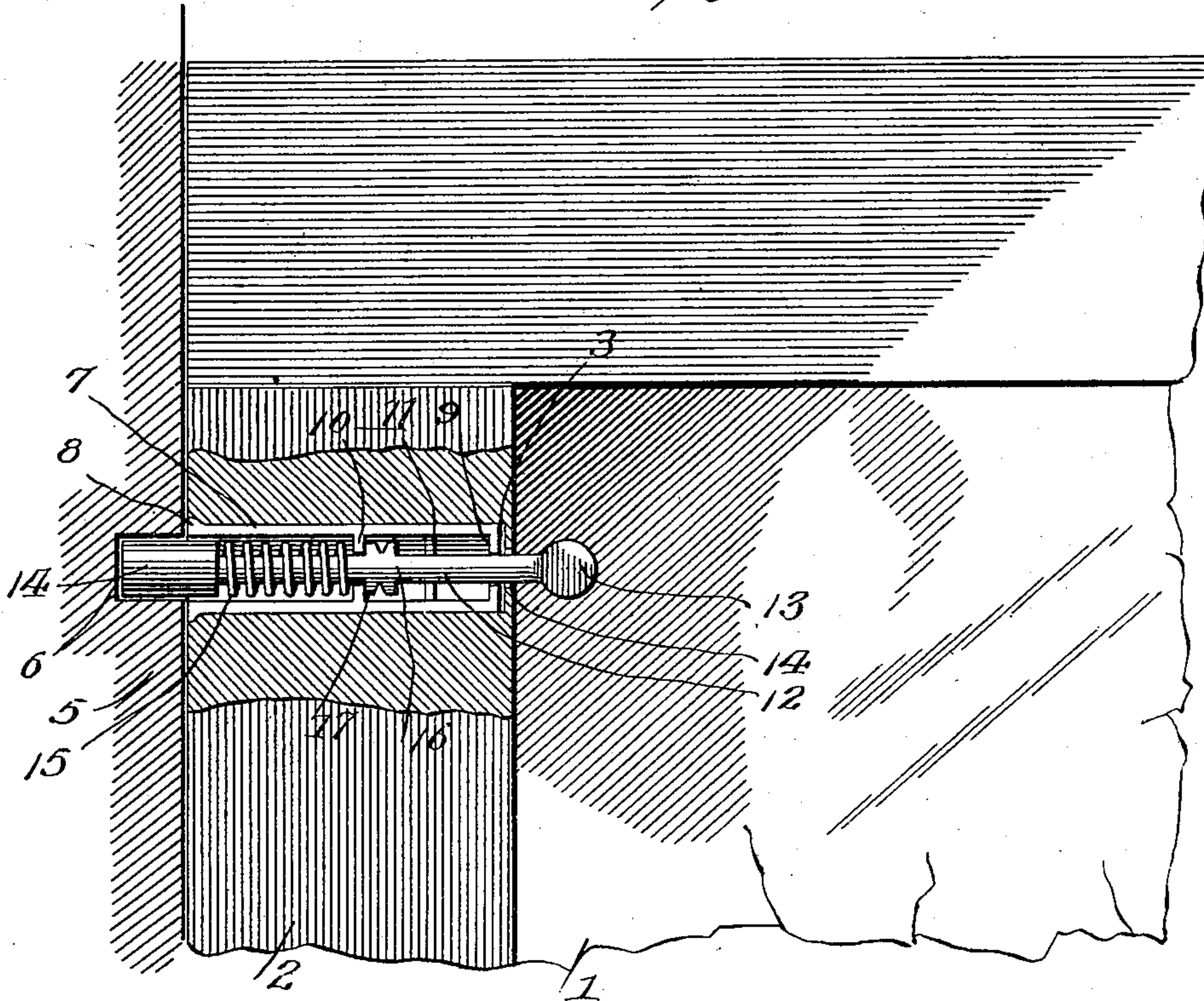


Fig. 2.

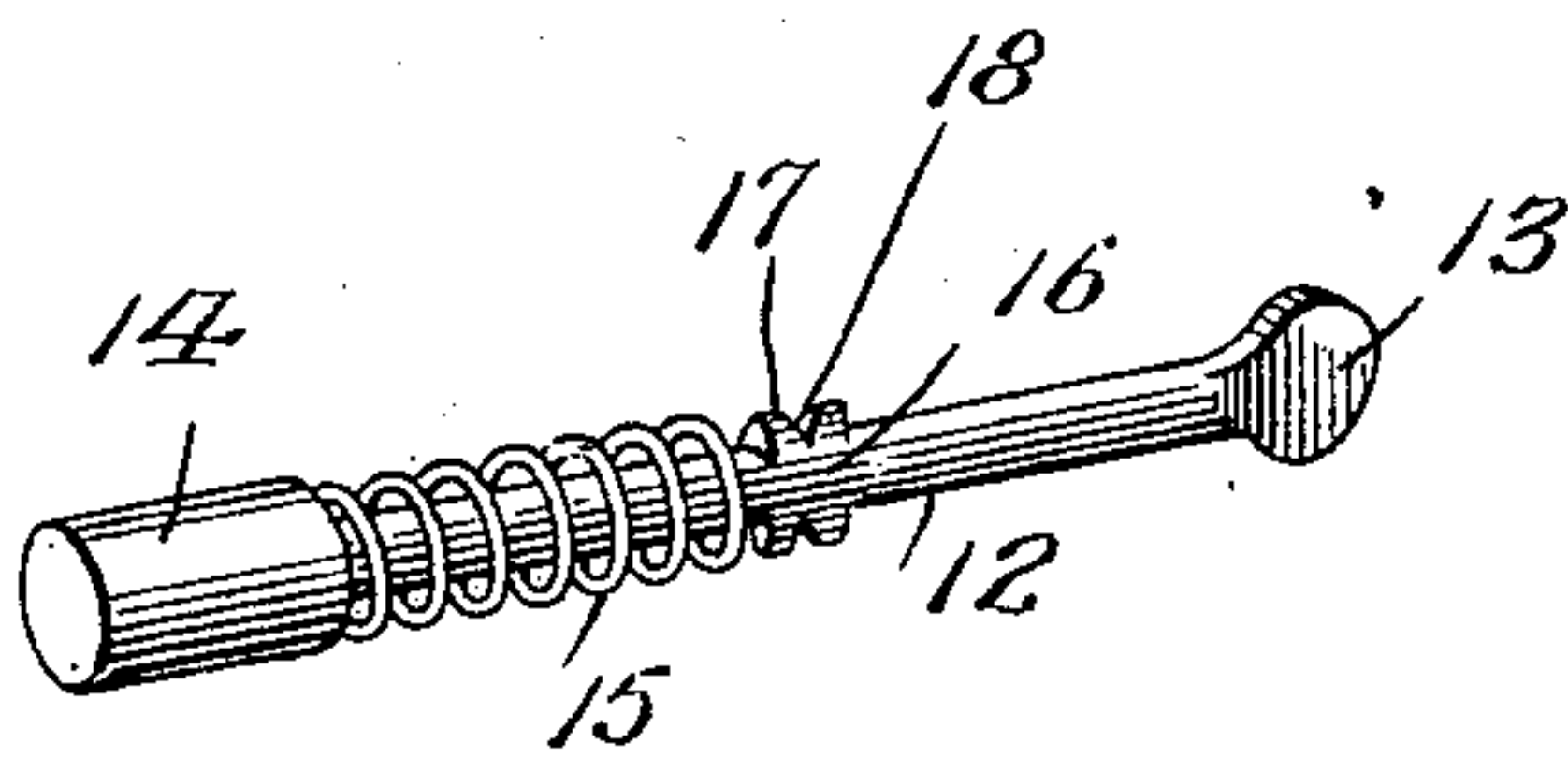


Fig. 3.

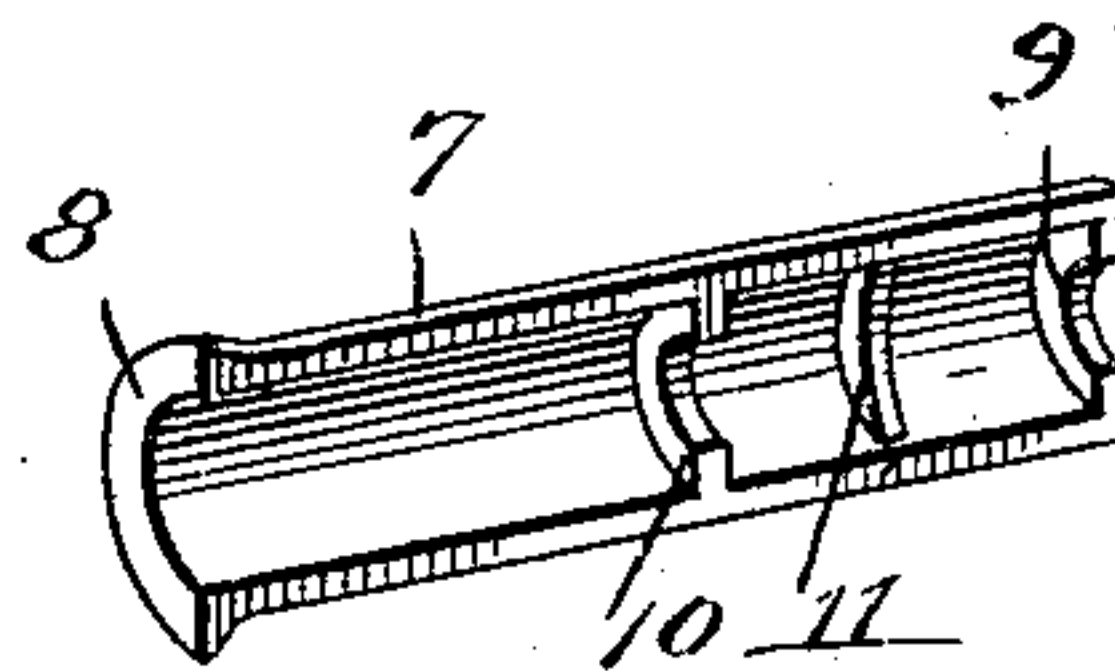
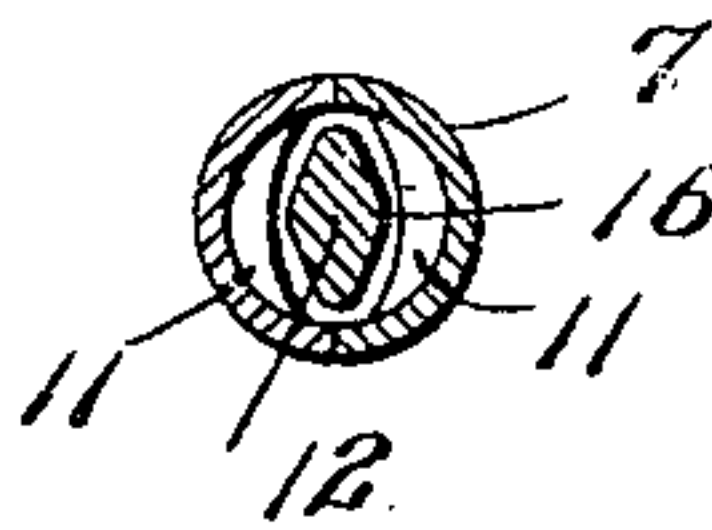


Fig. 4.



Witnesses

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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 725,662, dated April 21, 1903.

Application filed August 16, 1902. Serial No. 119,872. (No model.)

To all whom it may concern:

Be it known that I, JOHN BOHLEN, a citizen of the United States, residing at Big Rapids, in the county of Mecosta and State of Michigan, have invented new and useful Improvements in Sash-Fasteners, of which the following is a specification.

This invention relates to sash-fasteners; and the object of the same is to provide a device of this class which is capable of a positive locking action to hold a window-sash in closed position against movement or when the sash is raised to prevent falling of the latter and having a simple construction and operation whereby the bolt or catch may be drawn outwardly and so held and also by means of which the entire structure may be readily applied in operative position in connection with the side stile of a sash.

The invention consists in the construction and arrangement of the several parts which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a sectional elevation of a portion of a window sash and frame, showing the improved fastener or lock applied thereto and having a portion thereof removed to illustrate the interior construction. Figs. 2 and 3 are detail perspective views of portions of the improved device. Fig. 4 is a transverse vertical section through the complete device.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a sash having a side stile 2 with a horizontal socket 3 formed therein and with which an opening 4 in the inner edge of said stile communicates for a purpose which will presently appear. The adjacent portion of the frame 5 has sockets 6 constructed therein at regular intervals, the number of the sockets 6 being located at different vertical elevations, if so desired. The socket 3 opens fully outwardly through the outer edge of the side stile 2, and therein are inserted two semicylindrical hollow casing-sections 7, which form a complete tubular inclosure when assembled in operative relation, the outer ends 8 of the sections being flared to prevent the same from being driven inwardly beyond a predetermined extent.

The inner ends of the sections 7 are formed with semi-annular flanges 9 to unitedly provide a central opening, and at an intermediate point each section is also provided with a semi-annular flange 10, the two flanges 10 when in contiguity providing a guide and stop. Between the flanges 9 and 10 each section also has an inwardly-extending crescent-shaped rib 11, both ribs being transversely alined when the two sections are assembled. Within the sections a bolt is slidingly mounted and has a stem 12 projected through the opening formed by the inner flanges 9 and the opening 4 in the inner side of the stile, the inner terminal of the shank being flattened or otherwise enlarged, as at 13, for conveniently gripping the same. The outer end of the bolt is in the form of a large cylindrical head 14 to fit in the socket 6 of the frame 5, and between the inner terminal of the said head and the flanges 10 a coil-spring 15 surrounds the stem and operates to expel the bolt outwardly from the casing formed by the section 7. The portion of the stem 12 located between the flanges 9 and 10 is provided with a substantial elliptical enlargement 16 formed by opposite projections 17 having central notches 18, the outer terminals of the projections 17 normally bearing against the inner sides of the flanges 10. It will be understood that when the bolt is drawn inwardly the head 14 will be cleared from the socket 6, into which it may have been projected, and during such operation the bolt is held against rotation, so that the elliptical enlargement 16 will pass through the opening between the inner edges of the crescent-shaped flanges 11. When the notches 18 of the enlargement 16 coincide with the inner edges of the flanges 11, the bolt may be turned to cause the notches to engage with the said flanges, and thereby lock the bolt retracted, the distance between the inner sides of the flanges 10 and the flanges 11 being such that when the enlargement 16 of the bolt is in locking engagement with said flanges 11 the head 14 will have been fully retracted or withdrawn from the socket with which it has been in engagement. When the bolt is turned in a reverse direction to disengage the notches 18 of the enlargement 16 from the flanges 11, the spring 15 will impel the bolt outwardly; but in such operation the bolt

must be held so that the enlargement will pass through the opening between the said flanges 11, and the flattened extremity 13 will permit the operator to determine this, as
5 said extremity or finger-grip will be vertically disposed at the same time that the enlargement is in position to freely pass through the opening between the flanges 11.

The improved fastener and lock will be
10 found exceptionally useful, and in view of the comparatively small number of parts composed in its organization it can be cheaply manufactured. Instead of being applied to a window sash and frame it may also be used
15 for other purposes, as will be obviously apparent.

Having thus described the invention, what is claimed as new is—

A sash-fastener comprising a casing with

inwardly-projecting intermediate stop means, 20
inwardly-projecting flanges between the said stop means and the one end of the casing, and a spring-actuated bolt slidingly mounted in the said casing and having an elliptical enlargement with opposite notches to engage 25
the said flanges and hold the bolt retracted, the opening between the flanges and the elliptical enlargement being of such relative dimensions as to permit the said enlargement to be drawn through the opening when the bolt is 30 properly turned.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN BOHLEN.

Witnesses:

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