

C. L. HOBBS.
SASH LOCK.
APPLICATION FILED JULY 8, 1908.

901,102.

Patented Oct. 13, 1908.

Fig. 1

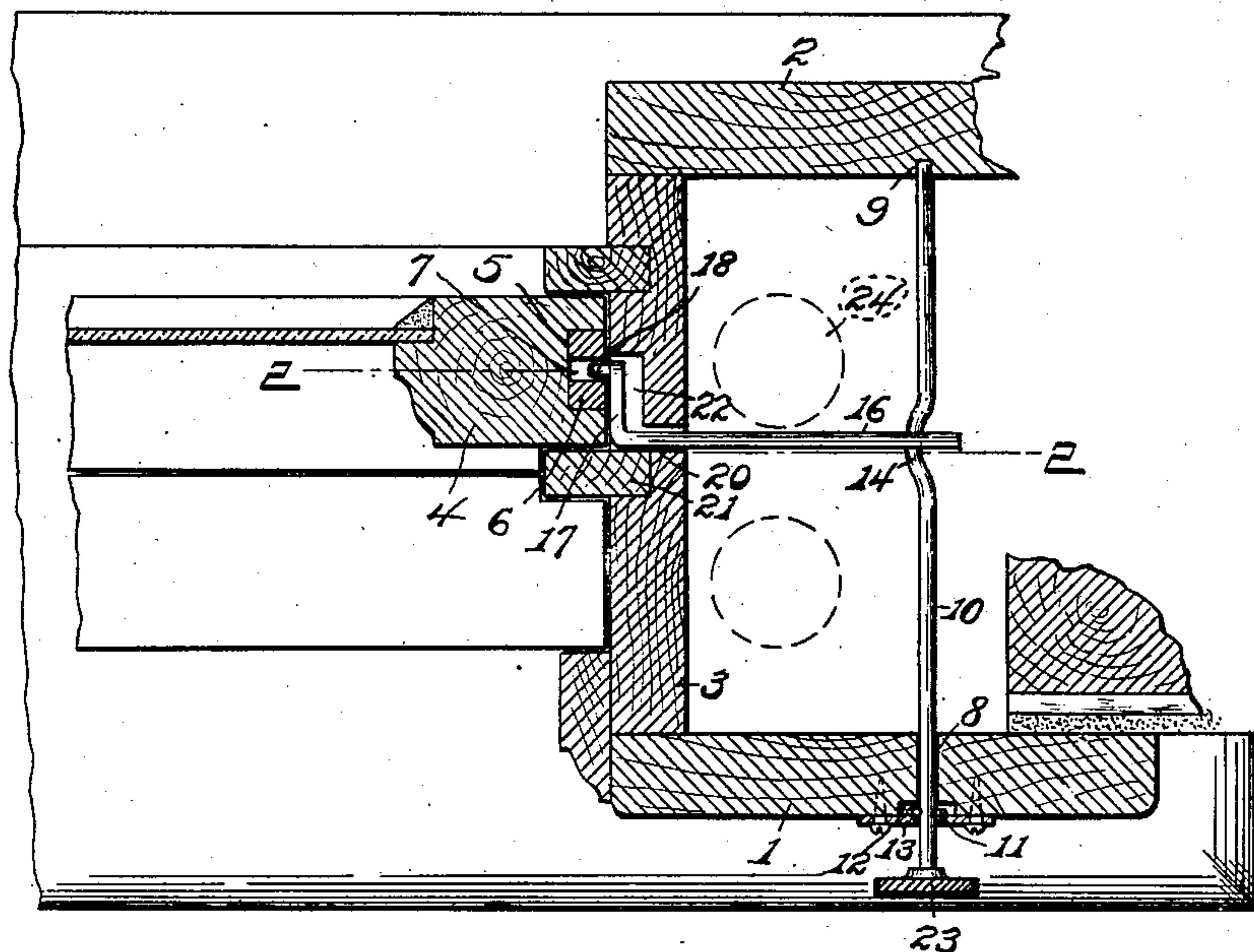


Fig. 2

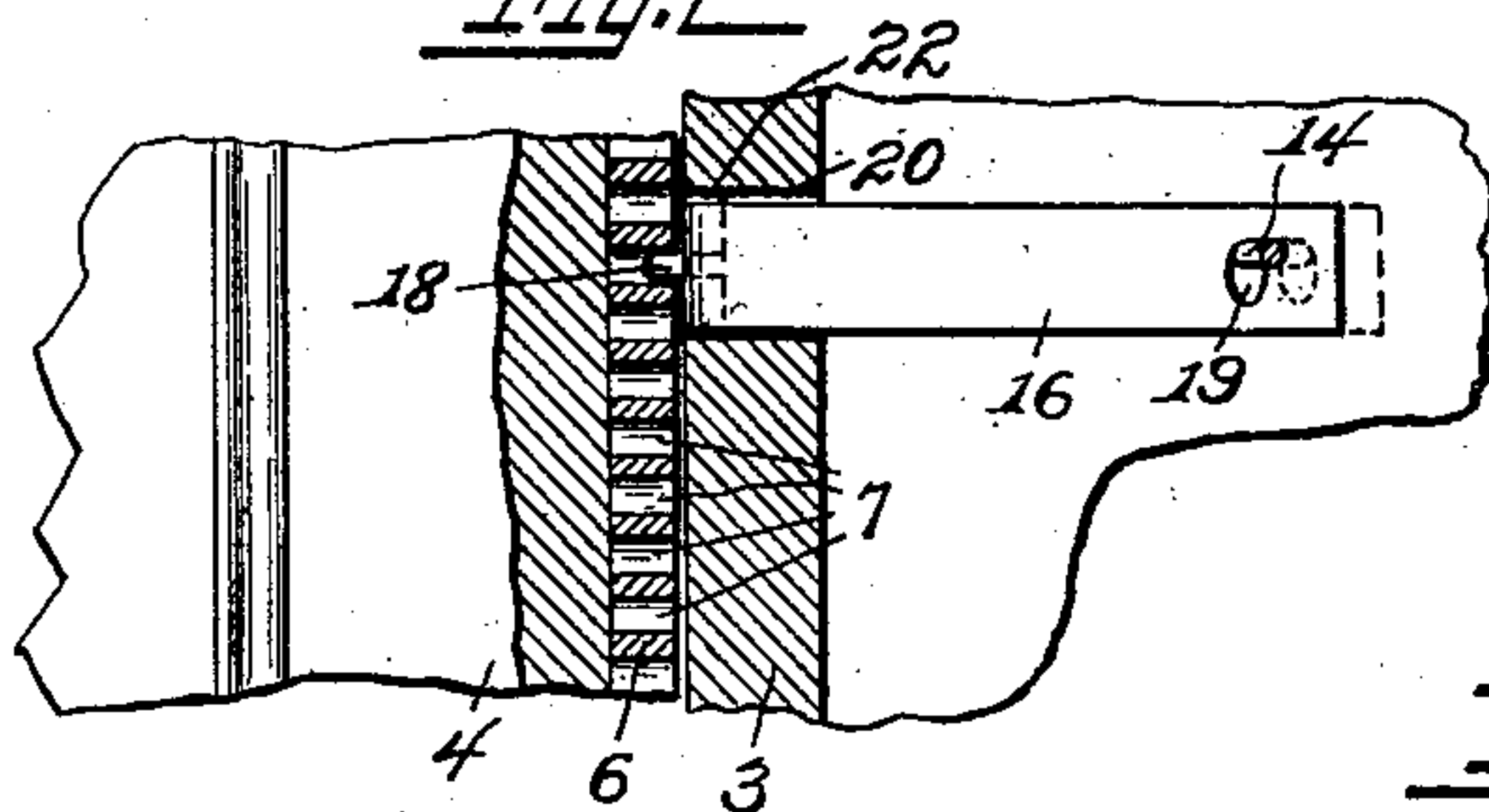


Fig. 4

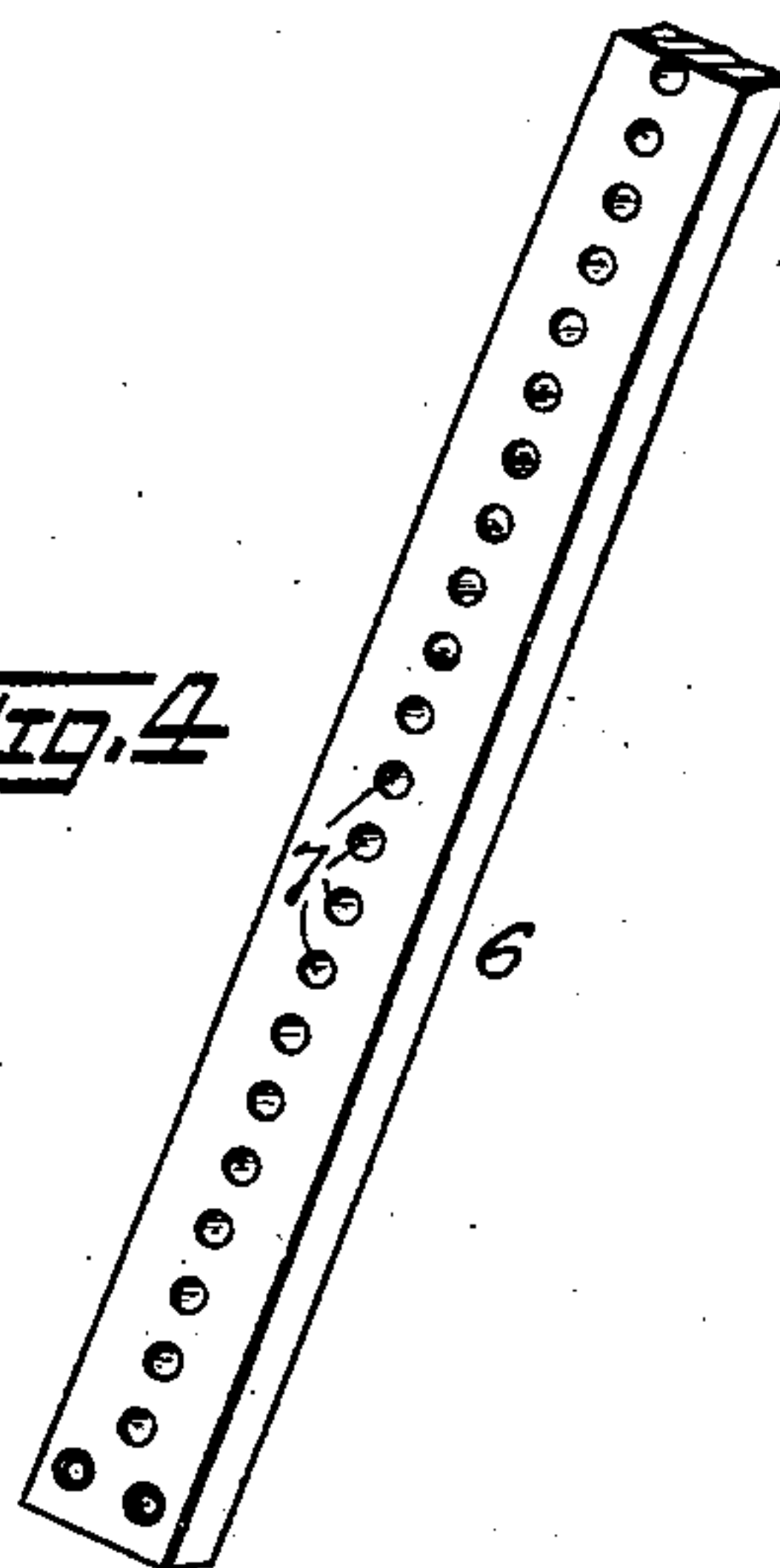
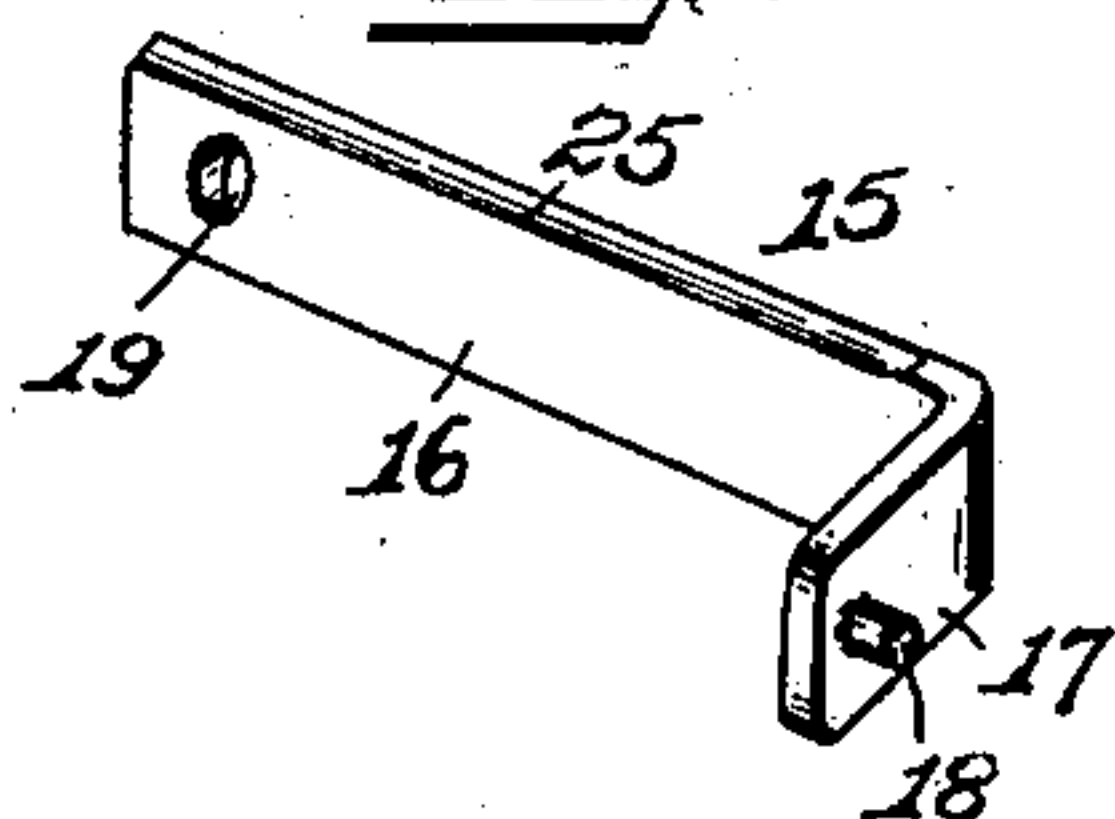


Fig. 3



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CHARLES L. HOBBS, OF WHEELING, WEST VIRGINIA, ASSIGNOR OF ONE-HALF TO WALTER S. BRYSON, OF WHEELING, WEST VIRGINIA.

SASH-LOCK.

No. 901,102.

Specification of Letters Patent.

Patented Oct. 13, 1908.

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To all whom it may concern:

Be it known that I, CHARLES L. HOBBS, a citizen of the United States of America, and resident of Wheeling, county of Ohio, and State of West Virginia, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

This invention relates to improvements in sash locks, and it consists in the particular construction, arrangement and combination of parts which will hereinafter be fully described.

The object of the invention is to provide a sash lock by means of which a window sash may be securely locked against movement either when open or closed.

A further object is to provide, in connection with a window casing, a locking bolt which will in no way interfere with the operation of the window weights. And a still further object is to provide a simple, inexpensive, durable and efficient lock of the character mentioned which may be conveniently operated and which, inasmuch as it presents no unsightly parts to view, in no way mars the window to which it is applied.

In describing the invention in detail, reference is herein had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a horizontal sectional view of a window sash and of a portion of a window casing; showing my invention applied thereto; Fig. 2 is a section on the line 2—2, Fig. 1; Fig. 3 is a detail perspective view of the locking bolt; and—Fig. 4 is a similar view of a portion of the perforated plate.

Referring to said drawing, in which like reference characters designate like parts throughout the several views—1 indicates the inside casing, 2 the outside casing, and 3 the pulley stile of a window casing, and 4 the side rail or sash stile of a window sash, all being of a usual or ordinary construction.

Mounted in a suitable recess or vertical channel 5 provided in the edge of the side rail 4—that is, in the edge adjacent to the pulley stile 3—so as to stand flush with said edge, is a longitudinal plate 6 having a line of perforations 7 therein, the purpose of which will presently be explained.

Projected through a hole 8 in the inside casing 1 and having its inner end seated in a socket 9 in the inner face of the outside

casing 2 is a rod 10 which is rotatable in its bearings 8 and 9. A pin 11 projected through the rod 10 works in a shallow socket 12 provided in the outer face of the inside casing 1 and against the inner face of a face-plate 13 which covers said socket 12, thus preventing the withdrawal of the rod 10. Said rod 10 has a bend or crank 14 formed therein to which is connected the rear end of a locking bolt or plate 15 which consists of a body portion 16 which lies at a right angle to the rod 10, an integral extension 17 which lies at a right angle to said body portion, and an integral stud 18 carried on the outer face of said extension. Provided in the rear end of the body portion 16 is a hole or aperture 19, preferably oval in form, in which lies the crank portion 14 of the rod 10, said body portion 16 being projected through a small slot 20 provided in the pulley stile 3 adjacent to the stop-bead 21. The extension 17 of said bolt lies in a mortise 22 provided in the outer face of said pulley stile.

By turning the knob 23 which is carried by the outer end of the rod 10, the locking bolt may be moved inward and outward with respect to the window sash, and its stud 18 thus caused to engage and disengage the perforations 7 in the plate 6. The mortise 22 is of such depth as to admit of such retraction of the locking bolt as will permit the stud 18 to disengage the perforations.

It will be noted that if the locking bolt were straight and entered the window casing at a point directly opposite the center or median line of the sash stile 4, it would be directly in the path of movement of the window weight which is indicated in dotted lines at 24. To avoid this, the locking bolt is made angular in form, as shown, and the slot 20 through which the body portion of the bolt is projected is located at a point close to the stop-bead 21, and said body portion is thus caused to lie between the paths of movement of the weights. The upper edge of said body portion is provided with a bevel 25 on the side adjacent to the weight 24 whereby, when said weight is lowered, it is caused to glance therefrom, should it sway into engagement therewith.

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

1. In a sash-lock, the combination with a window casing and a sash stile, the latter

having a longitudinal plate with a line of perforations therein fixed to its edge, of a rod projected through the inside casing and having its inner end seated in a socket in the outside casing, a crank formed in said rod intermediate its ends, and a locking bolt connected to said crank, said locking bolt comprising a flat body portion which stands edgewise at right angles to said rod, an integral extension which stands at right angles to said body portion, and an integral stud carried by the outer face of said extension, said stud being adapted to be moved into and out of engagement with the perforations in said plate when said rod is rotated.

2. In a sash lock, the combination with a window casing and a sash stile, the latter having a plate with a line of perforations therein secured to its inner edge, of a bolt having a stud adapted for interlocking engagement with the perforations of said plate, said bolt lying in horizontal position within the window casing, and consisting of a flat body portion which stands edgewise between the paths of movement of the window weights, an integral extension which lies at right angles to said body portion, said extension bearing said stud on its outer face, and a rod revolubly mounted in said casing

and projecting through an aperture in the body of said bolt, that portion of the rod engaging the bolt being bent into crank shape.

3. In a window-sash locking mechanism, the combination of a sash stile having a longitudinal plate mounted on its inner edge, said plate having a line of perforations therein, a pulley stile having a small vertical slot and a mortise therein, the latter being in its outer face, a bolt projected through said slot from within the window casing and having an angular extension lying in said mortise, a stud on the outer face of said extension for interlocking engagement with perforations in said plate, a rod revolubly mounted in the casing at right angles to said bolt and having a crank formed therein, which crank is in operative engagement with said bolt, said rod being projected outward through the inner casing and having a knob on its end.

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

CHARLES L. HOBBS.

Witnesses:

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