

No. 826,830.

PATENTED JULY 24, 1906.

O. B. BURROUGHS.
SASH LOCK.

APPLICATION FILED JUNE 10, 1906.

Fig. 1.

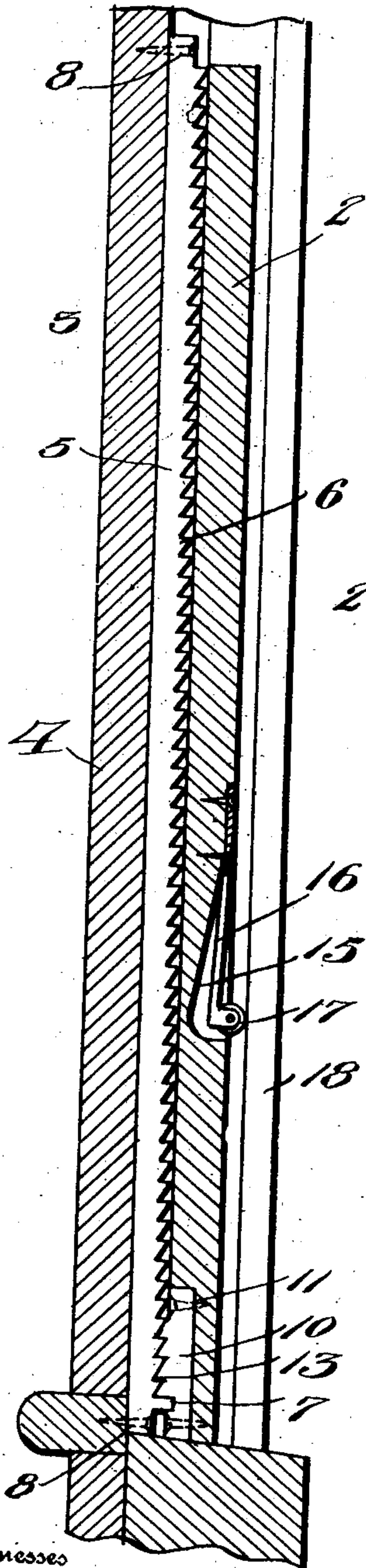


Fig. 2.

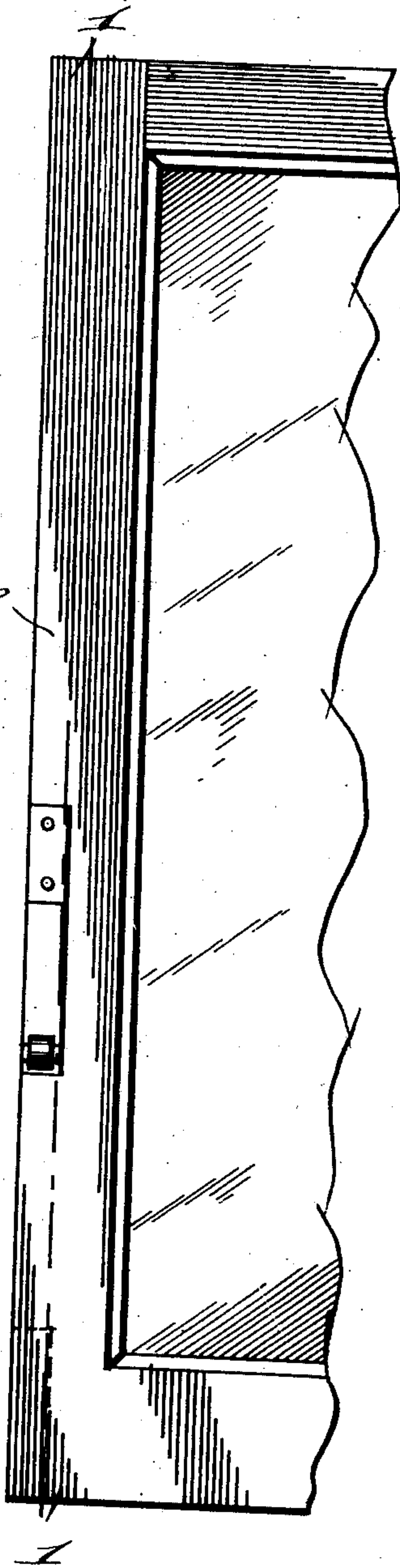


Fig. 3.

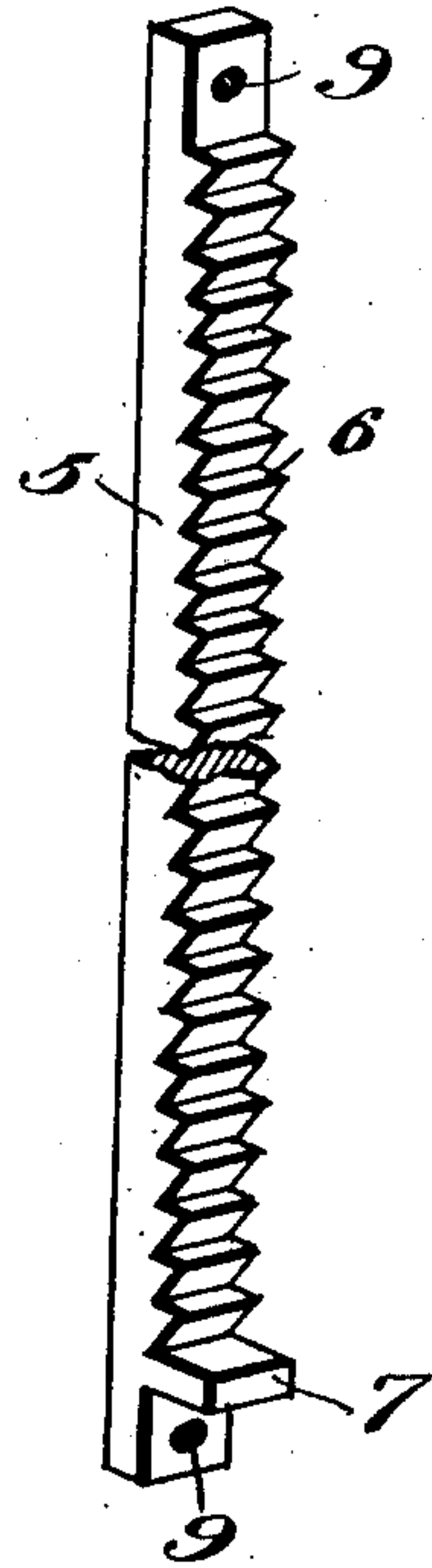
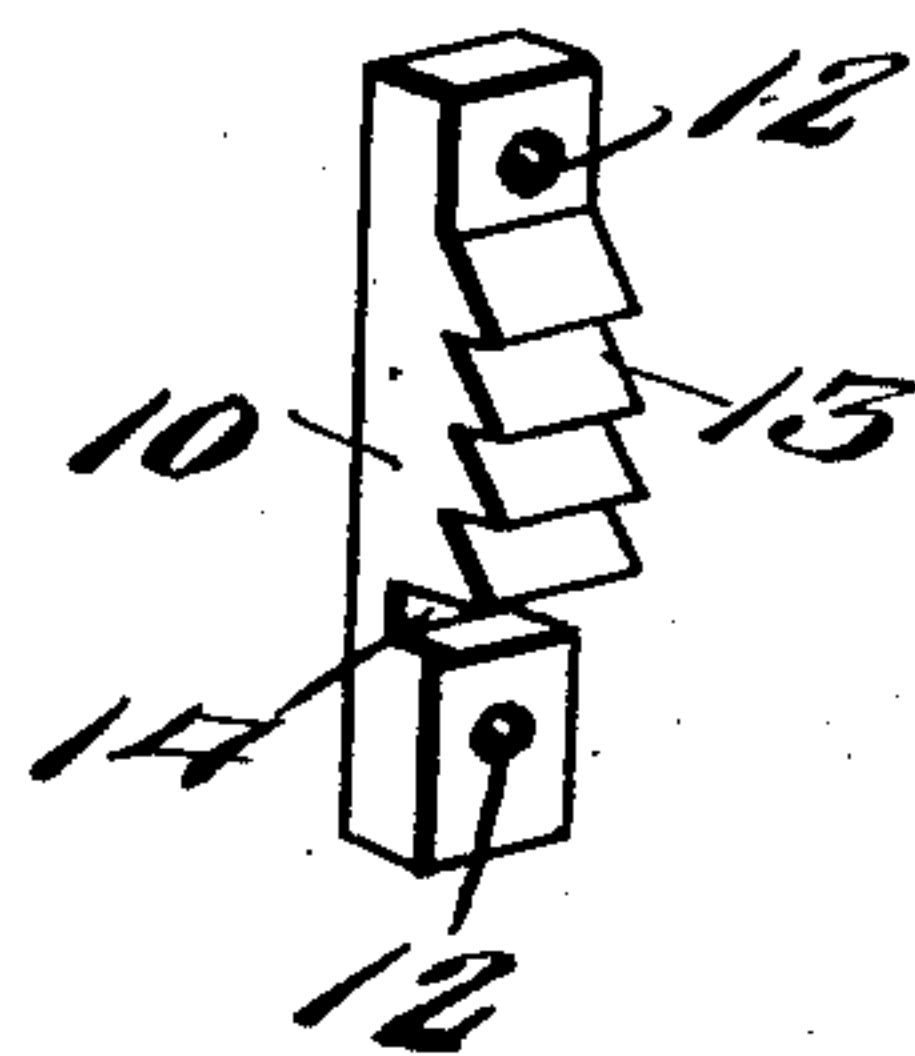


Fig. 4.



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SASH-LOCK.

No. 826,830.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OLIVER B. BURROUGHS, a citizen of the United States, residing at Jacksonville, in the county of Duval and State of Florida, have invented new and useful Improvements in Sash-Locks, of which the following is a specification.

This invention relates to sash-locks, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily applied for use, one which will permit of the window being readily raised and securely locked at any desired point in its open position, and one whereby the window may be securely locked in closed position, the device being especially adapted for use in connection with car, vehicle, or other windows.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a vertical transverse sectional elevation through a window-sash and its casing, the section being taken at one side of the sash on the line 1 1 of Fig. 2. Fig. 2 is a front elevation of a portion of a window-sash having the invention applied thereto. Fig. 3 is a perspective of the stationary ratchet-bar. Fig. 4 is a similar view of the movable ratchet-bar or member.

Referring to the drawings, 1 designates a window, 2 its sash, and 3 the sash frame or casing, these parts, except as hereinafter explained, being of the usual or any appropriate material.

In accordance with my invention I attach to the front face of the partition or guide-strip 4 included in the frame a vertically-disposed stationary ratchet-bar or member 5, disposed in line with one side of the sash 2 and having upwardly-pitched teeth 6 disposed toward the inner side face of the latter, there being provided at the lower end of the ratchet-bar a horizontally-projecting locking-lug 7. The bar 4 is preferably secured to the frame by means of screws or other fastening members 8, entered through openings 9, provided adjacent the terminals of the bar, as seen more clearly in Fig. 3.

The sash 2 has its inner side face mortised adjacent its lower end to receive the movable ratchet-bar or member 10, which is secured in place by screws or other fastening members 11, entered through openings 12, formed ad-

jacent the ends of the member, there being provided on the outer face of the latter a series of downwardly-pitched teeth 13, designed to conform to and for interlocking engagement with the teeth 6 of the stationary ratchet-bar, while the locking-lug 7 of the latter is adapted for entrance into a seat or recess 14, formed in the ratchet-bar or member 10, immediately beneath the lowermost tooth 13 for locking the window in closed position.

The outer side face of the sash 2 is mortised or recessed, as at 15, to provide a seat for and permit play of a spring-pressure member or arm 16, attached at one end to the sash and provided at its free end with an antifriction member or roller 17, adapted to bear upon the outer sash-guide 18, it being apparent that this spring exerts tension for maintaining the movable ratchet-bar or member 10 normally in engagement with the stationary ratchet-bar or member 5 and that the sash 2 may be moved against the action of the spring to release the teeth 13 from the teeth 6 and the lug 7 from its seat or recess 14, thus permitting the window to be raised.

In practice when the window is in closed position, as illustrated in Fig. 1, the locking-lug 7 will seat in the recess 14 for locking the sash against movement, as heretofore explained. When it is desired to open the window, the sash 2 is moved outwardly, thus compressing the spring 16 within its recess and freeing the lug 7 from its seat, whereupon the window may be readily moved to open position, it being understood that after the member 10 has been released from the lug 7 the teeth 13 will ride freely over the teeth 6 during upward movement of the window and that the latter will thus be locked at any desired open position.

From the foregoing it is apparent that I produce a simple inexpensive device admirably adapted for the attainment of the ends in view and one which will serve to maintain the window securely locked in closed position and to prevent its accidental downward movement when in open position, it being understood that in attaining these ends minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

In a device of the class described and in combination with a sash and its frame, of a stationary ratchet-bar carried by the frame

and provided at a point adjacent its lower
end with a locking-lug, a movable ratchet-bar
carried by the sash and provided at a point
adjacent its lower end with a recess for the
5 reception of the locking-lug, the teeth of the
stationary ratchet-bar being pitched up-
wardly, and the teeth of the movable ratchet-
bar being pitched downwardly, and means for
engagement with the sash for maintaining the

movable ratchet-bar normally in engage- 10
ment with the stationary ratchet-bar.

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

OLIVER B. BURROUGHS.

Witnesses:

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