

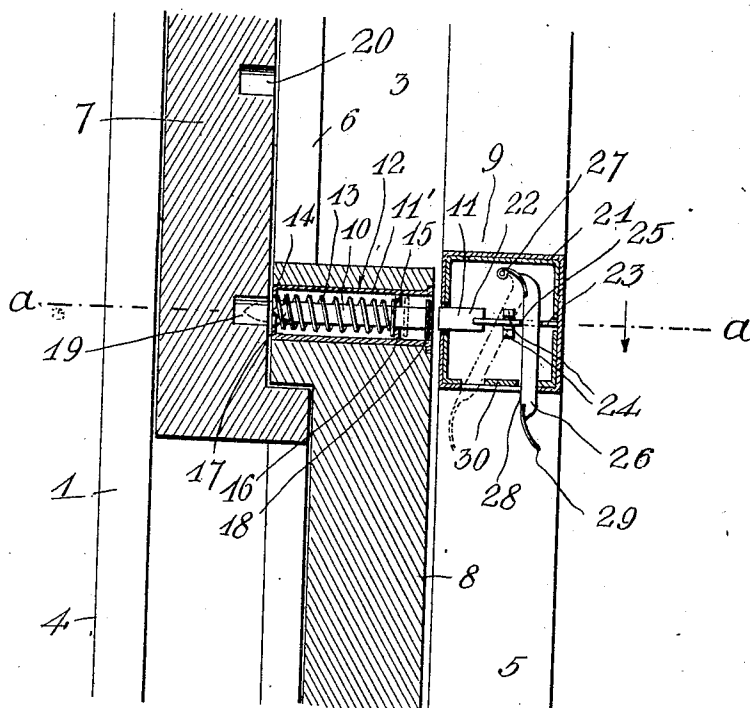
No. 835,333.

PATENTED NOV. 6, 1906.

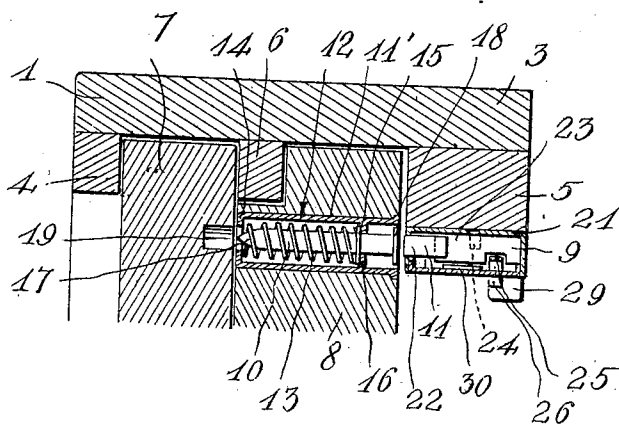
J. B. TAUVERON.

SASH LOCK.

APPLICATION FILED JAN. 18, 1906.



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Witnesses

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UNITED STATES PATENT OFFICE.

JEAN B. TAVERON, OF NEW YORK, N. Y.

SASH-LOCK.

No. 835,333.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed January 18, 1906. Serial No. 296,667.

To all whom it may concern:

Be it known that I, JEAN B. TAVERON, a citizen of France, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sash-Locks; and I do 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 improvements in window-sash-locking devices; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

The object of my invention is to provide a simple, durable, inexpensive, and efficient locking means whereby the sashes of a window or the like may be locked together either in closed or partially closed position.

In the accompanying drawings, Figure 1 is a vertical sectional view of a portion of a window-frame and of the sashes therein provided with locking devices embodying my invention, and Fig. 2 is a horizontal sectional view of the same, taken on the plane indicated by the line *a a* of Fig. 1.

Referring to the drawings by numerals, 1 denotes a window-frame of the usual form and construction provided with a casing 3, outer and inner guide or stop strips 4 5, and intermediate parting-strips 6 and upper and lower sashes 7 8, which latter are vertically slidable between the strips 4 6 5.

In order to lock the sashes 7 8 together in their closed position or when the upper sash is slightly lowered for ventilation, I provide a sash-lock 9, which comprises two sliding bolts 10 11. The bolt 10 is mounted to slide in a tubular or cylindrical casing 11 secured in a transverse opening or socket 12, formed in the upper cross-bar of the lower sash 8 at a point adjacent to one of its ends. This bolt 10, which is of cylindrical form, is of slightly less length than the width of the top of the lower sash and is adapted to be retained in the casing 11 by means of a coil-spring 13. The latter surrounds the bolt and is confined between the outer end 14 of the casing, and an annular stop 15, provided upon said bolt. This collar 15 is forced by the spring 13 into contact with the annular stop 16, secured within the casing, and when said collars are in engagement with each other, as shown in Fig. 1, neither end of the bolt 10 projects beyond the side faces of the sash. The outer

end of the bolt is tapered, as at 17, and its inner end is provided with a head 18, which is adapted to engage the collar 16 when the bolt is pushed against the tension of its spring or in an outward direction to project its outer tapered end 17 into one or more recesses or sockets provided in the inner face of one of the side bars of the upper sash 7. As shown in the drawings, I preferably provide two of these openings 19 20, the former being so located that the bolt 10 may be projected into it when the sashes 7 8 are in their closed position and the latter socket 20 being somewhat above the socket 19, so that the bolt 10 may enter it when the upper sash is slightly open for ventilation. A greater or less number of these sockets may be provided, as desired.

The bolt 10 is adapted to be projected by the bolt 11, which latter is mounted to slide in the rectangular casing 21, secured at a suitable point upon the inner stop-strip 5. The bolt 11 consists of a cylindrical portion 22, which passes through a circular opening in the casing 21 and is adapted to engage the head 18 of the bolt 10, and a flat portion 23, which slides in a guide 24, stamped up from the base of the case. In this portion 23 of the bolt 11 is formed a notch or recess to receive an operating-lever 26, which latter has its upper end pivoted at 27 within the casing and its lower end projecting through a slot 28 within the same and formed with a finger-piece 29. This lever is slightly resilient and is adapted to be retained in either its full or dotted line position (shown in Fig. 1) by its engagement with the opposite ends of a projection 30, arranged in the slot 28 of the casing. When the lever is in its full-line position, (shown in Fig. 1,) the bolt 11 will be retracted within the casing 21, and when in its dotted-line position said bolt will be projected out of said casing, so as to force the bolt 10 outwardly into one of the sockets in the upper sash 7.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claim.

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

The combination with a window-frame, a
5 sliding upper sash having sockets or seats
formed therein and a sliding lower sash, of a
casing mounted within said lower sash and
containing stops, a sliding bolt within said
10 casing, having a stop to coact with the stops
in said casing, a coil-spring in said casing sur-
rounding said bolt and confined between the
stop upon the latter and one of the stops in
said casing, a casing attached to the frame, a
15 sliding bolt mounted within the last-men-
tioned casing and adapted to project the
first-mentioned bolt, said last-mentioned cas-
ing having a slot in one side and a stop dis-

posed in the said slot and spaced from the
ends thereof, a lever pivotally mounted in
the said last-mentioned casing projecting 20
through and movable in the said slot and
also movable into and out of engagement
with said stop, said lever being connected to
the second-mentioned bolt to actuate said
bolt and coacting with said stop to lock said 25
bolt in either position, substantially as de-
scribed.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

JEAN B. TAVERON.

Witnesses:

CHAS. E. ISBELL,
EDWIN M. ROBINSON.