No. 865,573. PATENTED SEPT. 10, 1907.

J. DIEHL.

SASH LOCK.

APPLICATION FILED DEC. 29, 1906.

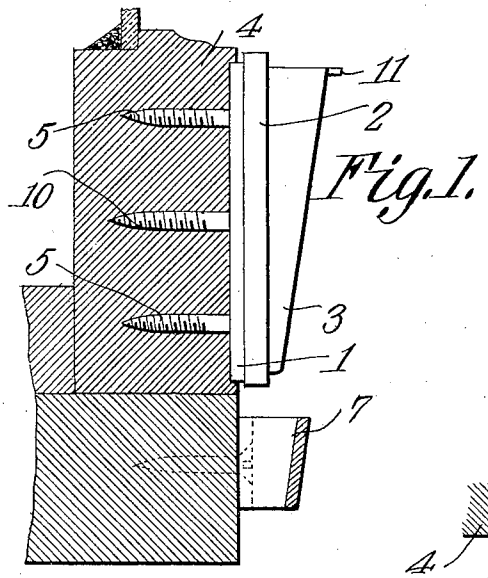


Fig. 1.

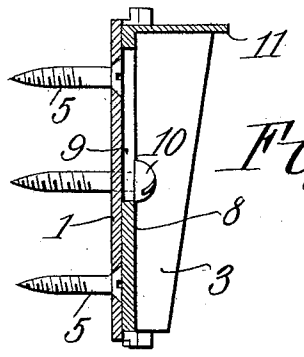


Fig. 3.

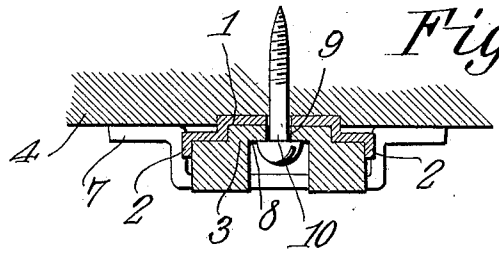
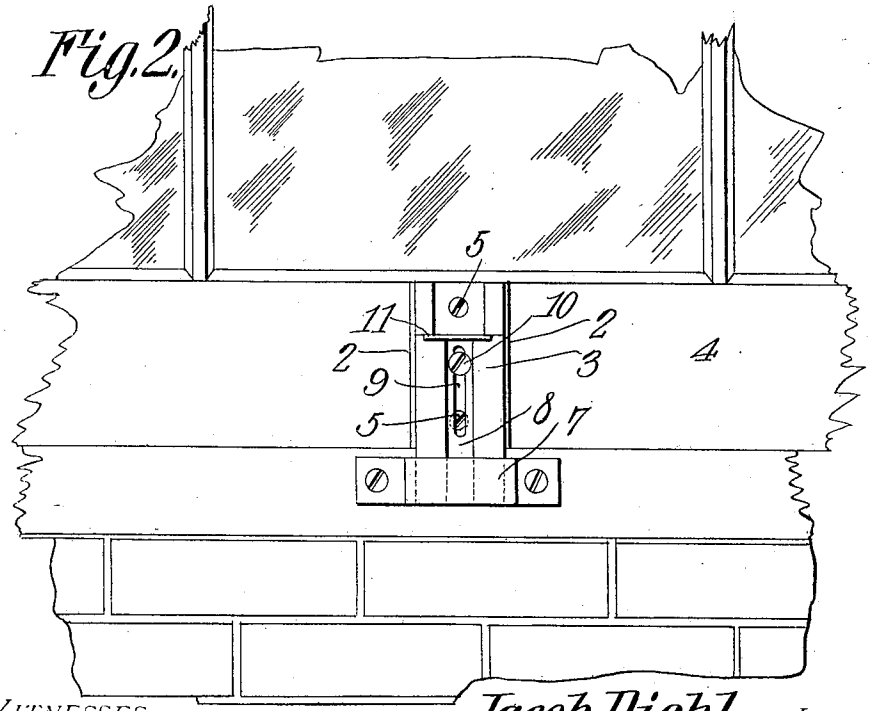


Fig. 4.

Fig. 2.



WITNESSES:

E. J. Stewart

F. T. Chapman

Jacob Diehl, INVENTOR.

By C. A. Snow & Co.

ATTORNEYS

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JACOB DIEHL, OF SHEBOYGAN, WISCONSIN.

SASH-LOCK.

No. 865,573. Specification of Letters Patent. Patented Sept. 10, 1907.

Application filed December 29, 1906. Serial No. 350,015.

To all whom it may concern:

Be it known that I, JACOB DIEHL, a citizen of the United States, residing at Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention has reference to improvements in sash locks, and its object is to provide a simple, inexpensive lock designed more particularly for use on cellar or basement windows of the type where the sash is hung from the upper edge.

The invention consists essentially of a slide which is to be permanentiy fastened to the lower rail of the sash, a loop to be fastened to the window-frame, and a wedge-shaped block carried by the slide and arranged for engagement in the loop on the window-frame.

The invention will be more fully understood by reference to the accompanying description taken in connection with the annexed drawings, in which,—

Figure 1 is a side view of the sash fastener and so much of a window-sash and casing as is necessary to show the operation of the device; Fig. 2 is a front elevation of the same; Fig. 3 is a longitudinal section; and Fig. 4 is a cross section about midway of the length of the sash fastener.

Referring to the drawings, there is shown a slide 1 which may be a metal stamping of trough-shape, the two edges of which are further bent into L-shaped offsets 2—2 to constitute guides for a wedge 3. This slide is secured to the lower rail 4 of a window-sash in an upright position by means of screws 5—5, and secured to the bottom bar of the window-casing is a loop 7 of generally rectangular shape.

The wedge-shaped locking block 3 has the center portion depressed, as shown at 8, and of equal thickness throughout the same, this depressed portion 8 extending longitudinally throughout the length of the block and having centrally located therein the slot 9 through which is passed a screw or rivet 10 fastened to the slide 1 in such manner that the block 3 may be moved longitudinally in the slide for a distance determined by the length of the slot 9, and is confined against the L-shaped offsets 2 formed on the sides of the trough-shaped slide 1 by the head of the screw or rivet 10.

The block is held in the slide with sufficient friction to prevent it from spontaneously falling, and it is provided with a finger-piece 11 at its top by which it may be manipulated.

The normal position of this block 3 is with its upper end coincident with the upper end of the slide 1, and in this position its lower end will be above the loop 7. When the window is closed the block 3 is moved downward so that its lower end enters the loop 7. The outer face of the block 3 being wedge-shaped it will bind inside the loop 7 and force the window-sash in firm contact with the frame, thus making a tight joint therewith. At the same time the block cannot be rattled loose and cannot be disengaged from the loop 7 except from the inside.

A sash lock made in accordance with this invention is of exceedingly simple construction, devoid of springs or other devices which tend to complicate and add to the expense of construction, and the parts may be either stamped or cast at practically little expense.

I claim:—

1. A sash lock comprising a slide or holder designed to be fastened to a window-sash, a loop designed to be fastened to a window-frame, and a wedge-shaped locking block having a longitudinal slot therein and secured to said holder by a headed securing means whereby the block is free to be moved longitudinally in said holder.

2. A sash lock comprising a slide or holder of trough-shape with offset sides, a wedge-shaped locking block seated on said offset sides of the holder and having a longitudinal slot with fastening means passing through said slot and securing the block to the holder, and a loop for receiving the thinner end of said block, substantially as described.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JACOB DIEHL.

Witnesses:
ANNIE DENN,
F. H. DENISON.