No. 868,036. PATENTED OCT. 15, 1907.

C. TONG.

WINDOW CATCH.

APPLICATION FILED AUG. 13, 1906.

2 SHEETS—SHEET 1.

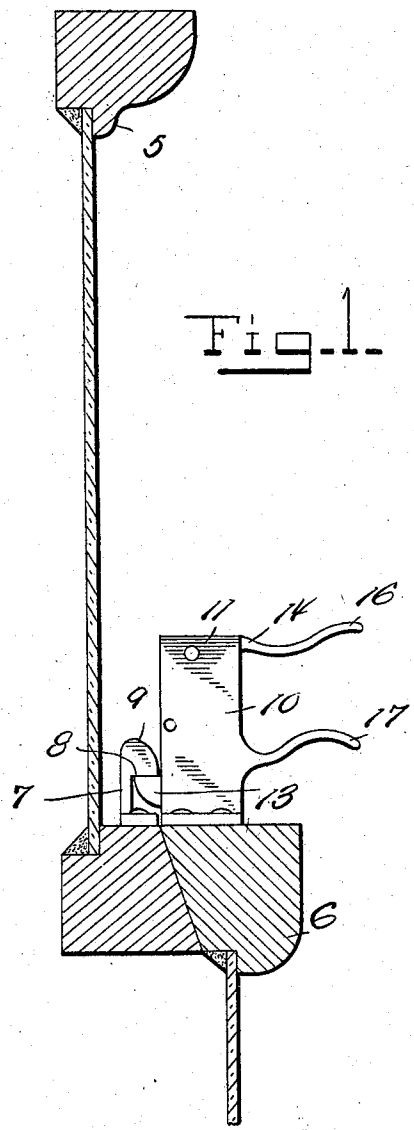


Fig. 1.

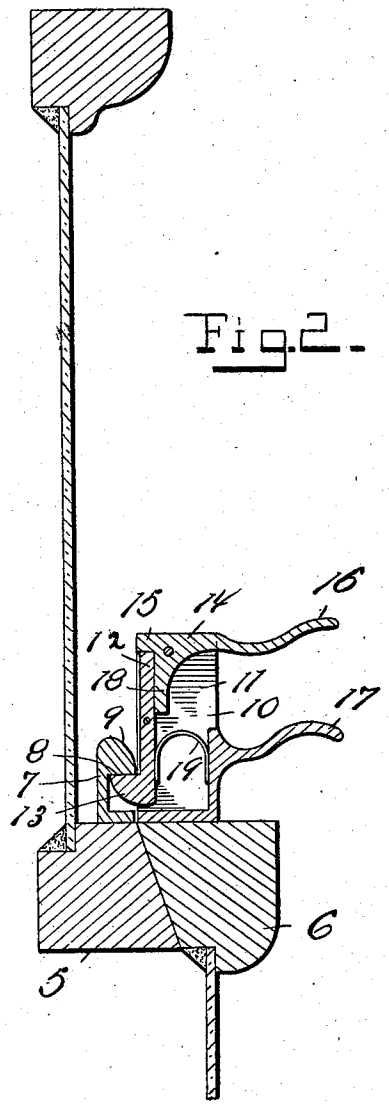


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

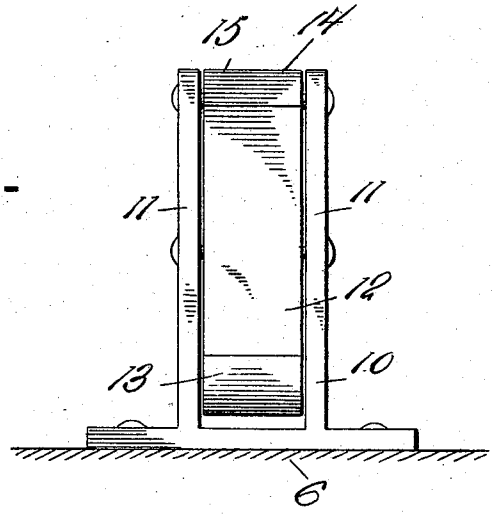
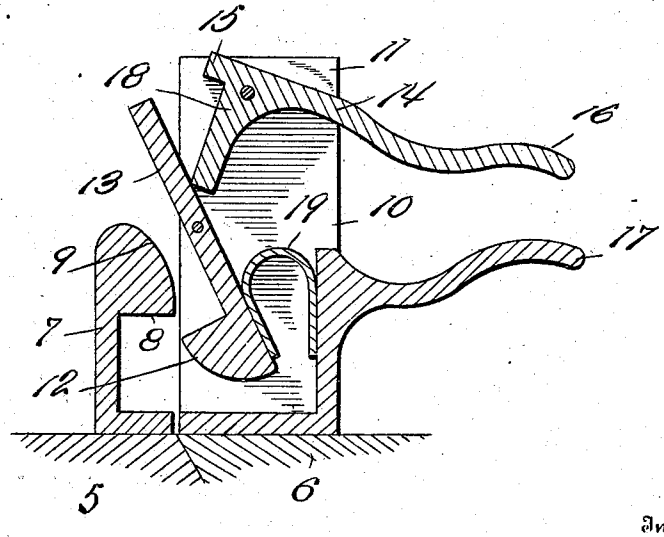


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

CLYDE TONG, OF MARION, INDIANA.

WINDOW-CATCH.

No. 868,036. Specification of Letters Patent. Patented Oct. 15, 1907.

Application filed August 13, 1906. Serial No. 330,377.

To all whom it may concern:

Be it known that I, CLYDE TONG, a citizen of the United States, residing at Marion, in the county of Grant, State of Indiana, have invented certain new and useful Improvements in Window-Catches; and I do hereby 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.

This invention relates to windows and more particularly to fasteners therefor, the object being to provide a fastener which will be simple and cheap; and which may be easily operated to permit opening the window.

Another object is to provide a fastener which may be automatically operated to fasten the sashes when the latter are moved in a closed position.

Other objects and advantages will be apparent from the following specification and it will be understood that I do not desire to limit myself to the specific structure shown and described, as various changes will be apparent to those skilled in the art.

In the drawings forming a portion of the specification and in which like numerals of reference indicate similar parts, in the several views, Figure 1 is an elevational view of the present invention meeting rails of two sashes being shown in section, Fig. 2 is a vertical section. Fig. 3 is a front edge view. Fig. 4 is a view showing the latch member with parts moved into releasing position, the bracket being shown in section to illustrate the movable parts in elevation.

Referring now to the drawings, there are shown the meeting rails of upper and lower sashes 5 and 6 respectively, the former having mounted thereupon the latch receiving member 7, having a lip 8 for the reception of a latch therebeneath, this lip having a beveled upper surface 9.

A latch member is secured upon the rail 6 and consists of a bracket 10 bifurcated to form spaced members 11 between which adjacent to their rearward edges there is horizontally pivoted a vertically extending arm 12 having a rearwardly extending latch finger 13 at its lower end projecting rearwardly beyond the brackets. The pivot point of this arm 12 is placed between its ends and a lever 14 is pivoted between the portions 11 for vertical movement, adjacent to the upper ends of the member and has a lug 15 extending rearwardly in position to rest upon the upper end of the arm 12 when the latter is in vertical position.

The lever has a forwardly extending finger piece 16 extending above the thumb piece 17 which is formed inwardly with and extends forwardly from the members 11, and a depending nose 18 is carried by the lever 14 forwardly of the lug 15, extending at right angles to this lug and in position to rest against the forward face of the arm 12.

A strap spring 19 is engaged between the lower end of the arm 12 and the thumb piece 17 which extends between the forward portions of the member 11.

It will thus be seen that when the thumb piece 16 is moved downwardly, the nose 18 of the lever moves the upper end of the arm 12 rearwardly, which brings the latch finger 13 out of engagement with the lip 8, beneath which it is normally engaged, so that the window may be raised and the spring 19 holds the arm with its finger yieldably projected. When the sashes are moved into closed position, the latch finger 13 engages the pivoted beveled surface of the lip 8 and is moved against the action of the spring until it is turned into its normal position.

What is claimed is:—

1. The combination, with a pair of slidable window sashes, of a latch receiving member carried by one of said sashes; a bracket carried by the other sash; a vertically disposed arm pivoted intermediate its ends to said bracket and provided at its lower end with a rearwardly extending latch finger, said arm being movable upon its pivot to bring said finger into and out of engagement with said latch receiving member; a forwardly extending thumb-piece carried by said bracket; a spring bearing at opposite ends against said thumb-piece and the latch end of said arm, to normally hold said latch in engagement with the latch receiving member; and a horizontally disposed lever pivoted to said bracket, said lever having a forwardly extending thumb piece, and a depending nose arranged for engagement with the upper end of said arm, when said lever is moved to release the latch end of said arm from engagement with said latch receiving member against the action of said spring, said last-mentioned thumb-piece being disposed directly above said first-mentioned thumb-piece in position to be grasped therewith.

2. The combination, with a pair of slidable window sashes, of a latch receiving member carried by one of said sashes, a bracket carried by the other sash and including a pair of vertical, spaced members; a vertically-disposed arm pivoted intermediate its ends between said members and provided at its lower end with a rearwardly extending latch finger, said arm being movable upon its pivot to bring said finger into and out of engagement with said latch receiving member; a forwardly extending stationary thumb piece carried by said members; a spring disposed between said members and bearing at opposite ends against said thumb-piece and the latch end of said arm, to normally hold said latch in engagement with the latch receiving member; and a horizontally disposed lever pivoted between said members, said lever having a forwardly extending thumb-piece, a lug extending across the upper edge of said arm when said lever is in its normal position, and a depending nose disposed adjacent said lug at right angles thereto, said nose being adapted to engage the upper end of said arm when said lever is moved, to release the latch end of said arm from engagement with said latch receiving member against the action of said spring, said last-mentioned thumb-piece being disposed directly above said first-mentioned thumb-piece in position to be grasped therewith.

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

CLYDE TONG.

Witnesses:
HARRY H. HAMILTON,
ALLEN H. CHRISTMAN.