No. 873,834. PATENTED DEC. 17, 1907.

W. BOURQUE.

STORM WINDOW FASTENER.

APPLICATION FILED JULY 15, 1907.

Fig. 1.

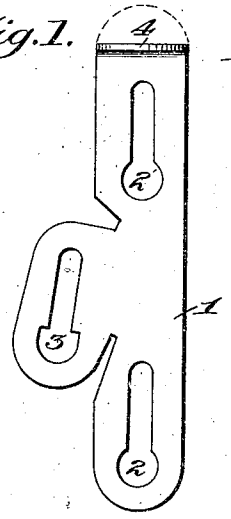


Fig. 2.

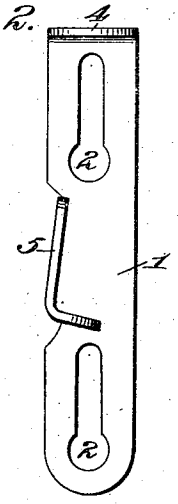


Fig. 3.

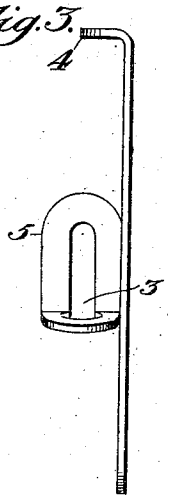


Fig. 4.

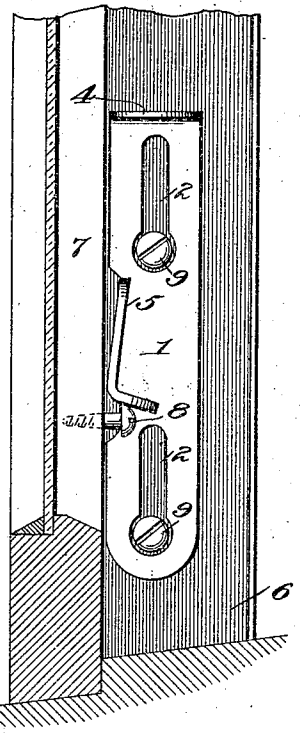
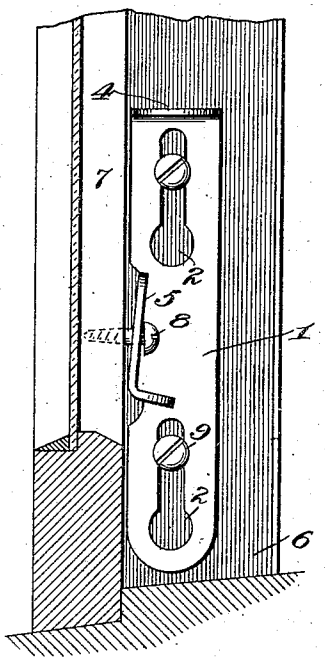


Fig. 5.



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WILFRID BOURQUE, OF SHERBROOKE, QUEBEC, CANADA.

STORM-WINDOW FASTENER.

No. 873,834. Specification of Letters Patent. Patented Dec. 17, 1907.

Application filed July 15, 1907. Serial No. 383,952.

To all whom it may concern:

Be it known that I, WILFRID BOURQUE, of the city of Sherbrooke, county of Sherbrooke, Province of Quebec, Canada, have invented new and useful Improvements in Storm-Window Fasteners, and do hereby declare the following to be a clear and exact description of the same.

The object of my invention is to simplify and reduce the labor required in the placing of storm windows and screws, and it consists of a plate of metal so shaped that by a simple and rapid manipulation the window is tightly held against the frame.

In the drawings accompanying this specification each numeral denotes the same parts throughout the whole figures.

Figure 1 is a face view of the plate as it appears when coming out from the cutting die. Fig. 2 is a face view of the plate as it appears when bent to shape. Fig. 3 is an edge view of the plate showing the sash ear in view. Fig. 4 represents the fastener in position on the frame prior to engaging the sash. Fig. 5 represents the fastener in position to retain the sash.

My fastener is composed of a plate I preferably of metal, shaped as shown, 2 are the slots provided with enlargements at the lower end, 4 represents the end of the plate, bent at right angle to the same, and 5 is a projection or ear into which is a slot 3 also having an enlargement at its lower end to allow a screw head to pass freely through the same. The ear 5 is bent at right angle to the face of the plate I and at an acute angle to the edge of the same plate. The lower part of the ear 5 is bent inward at the intersection of the enlargement in the slot with the slot proper, 6 is the window frame and 7 the storm sash, 9 are screws in the frame spaced to correspond to the distance of the slots in the fastener, and 8 is a screw in the sash positioned to correspond to the slot in the ear of the fastener.

The operation of the fastener is as follows: It must be understood that once the screws 9, 9 and 8 are in place they are permanently in position, therefore to fasten the sash it is only necessary to insert the enlargement in slots 2 of the plate I over the head of screws 9, 9 when the enlargement of slot 3 will be opposite and above the screw 8 in sash 7. Now by applying pressure on the projection 4 of the plate the screws 9, 9 and 8 will engage the reduced portion of slots 2 and 3 and the head of the screws being larger than the slots will retain the plate in place. The ear 5 being at an angle to the sash 7, it will be evident that the screw 8 will draw the sash inward towards the frame more or less according to the travel of the plates, and when a considerable pull of the sash is required a few taps of a hammer on the projection 4 will cause the ear 5 to bind on the screw head 8 and draw the sash 7 very tight on to the frame 6. Of course it will be understood that a reverse manipulation to that previously described will unfasten the plate and release the sash should it be desired to release the sash before screws 9, 9 come opposite the enlargement in slots 2, the screw 8 on the sash, would require to be placed so that it would engage the slot 3 of the ear 5 only when screws 9, 9 have engaged the reduced portion of the slots 2, 2.

It is obvious of course that as many plates as desired may be used, the number being determined by the size and construction of the sash.

Having now clearly described my invention what I claim is.

1. A fastening device for window sash, etc., comprising, in combination with a window frame and sash, headed projections upon said frame, a fastening plate movably mounted upon said frame and engaged by said projection, said plate having a wing which is slotted, a headed projection upon the sash adapted to enter said slot as the plate is moved and frictionally engage said wing, as set forth.

2. A fastening device for window sash, etc., comprising, in combination with a window frame and sash, headed projections upon said frame, a fastening plate movably mounted upon said frame and engaged by said projection, said plate having a wing extending at right angles to the plate, and at an inclination to its length and provided with a slot adapted to receive the headed projection upon said sash as the plate is moved, said wing adapted to have a wedging action against the head of the projection upon the sash, as set forth.

Sherbrooke this 6th day of June, 1907.

WILFRID BOURQUE.

Signed in the presence of

VICTOR ARCHAMBAULT,

WM. DESMISSEAX.