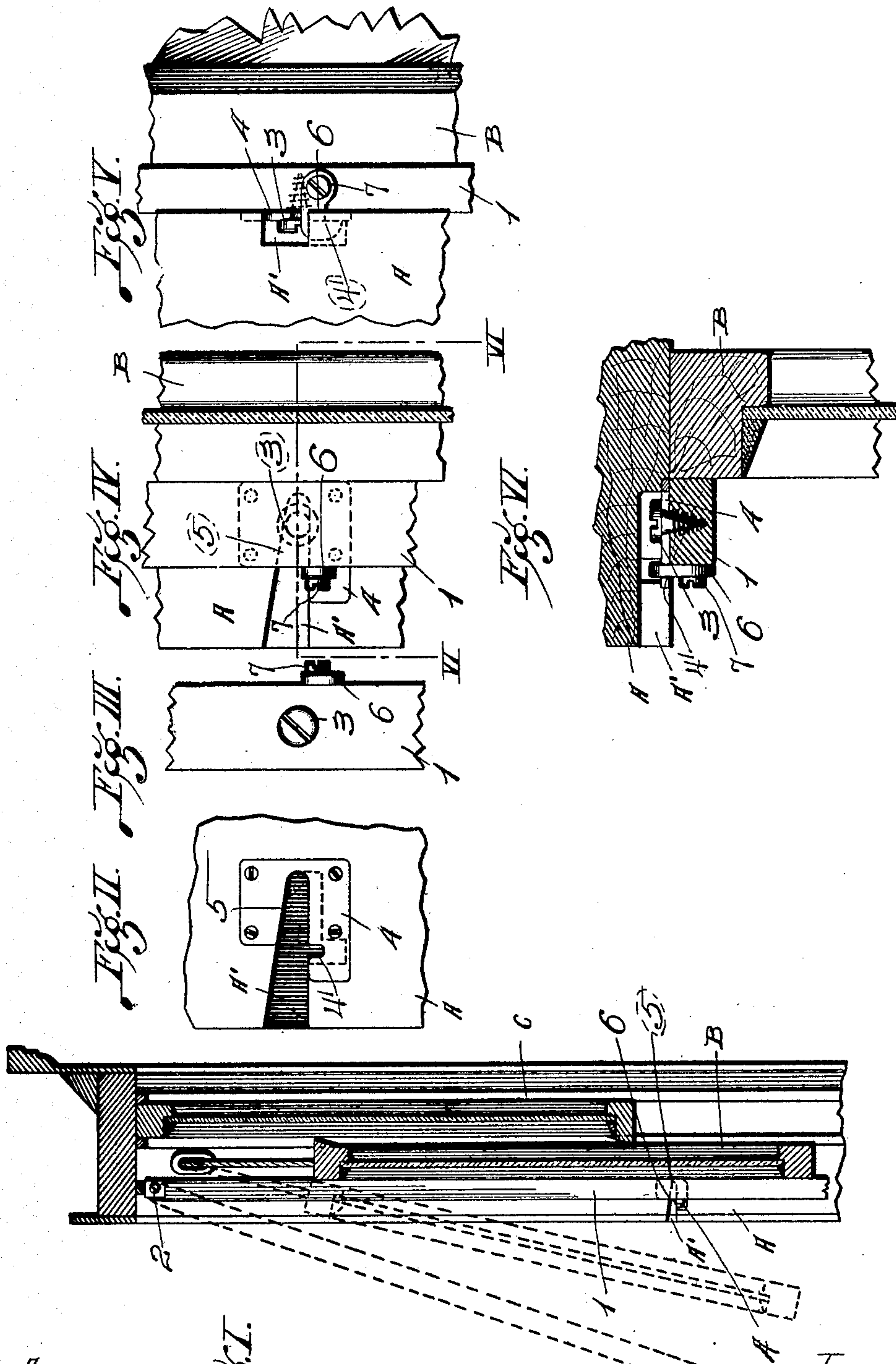


T. J. DANIEL.
 WINDOW BEAD FASTENER.
 APPLICATION FILED DEC. 14, 1907.

916,113.

Patented Mar. 23, 1909.



ATTEST.

P. M. Harrington.
 W. E. Allen.

Fig. I.

INVENTOR.

T. J. Daniel.

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UNITED STATES PATENT OFFICE.

THOMAS J. DANIEL, OF EAST ST. LOUIS, ILLINOIS, ASSIGNOR OF ONE-SIXTH TO WILLIAM B. LOHRER, ONE-SIXTH TO ALBERT J. GRIFFITH, ONE-SIXTH TO LOUIS NICHOLE, AND ONE-SIXTH TO AUGUST P. CHOLET, OF EAST ST. LOUIS, ILLINOIS.

WINDOW-BEAD FASTENER.

No. 916,113.

Specification of Letters Patent. . Patented March 23, 1909.

Application filed December 14, 1907. Serial No. 406,448.

To all whom it may concern:

Be it known that I, THOMAS J. DANIEL, a citizen of the United States of America, residing in East St. Louis, in the county of St. Clair and State of Illinois, have invented certain new and useful Improvements in Window-Bead Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a window in which the stop strips that confine the sashes of the window are movably supported in order that sashes may be withdrawn from the window-frame for the purpose of cleaning the glass therein. An example of this kind of window is to be found in Letters Patent of the United States No. 415,095, issued to myself and others, November 12, 1889, and upon which the present invention is in the nature of an improvement.

The object of the present invention is to furnish means whereby the stop strips may be retained snugly against the sides of a window frame when in sash holding position.

Figure I is a vertical longitudinal section of a portion of a window and window frame having my improvements incorporated therein. Fig. II is an enlarged detail view of a portion of a window frame containing a part of my improvements. Fig. III is an enlarged face view of a portion of one of the stop strips, having located thereon elements which are coöperable with certain of the parts illustrated in Fig. II. Fig. IV is an enlarged detail view of the parts illustrated in Figs. II and III of the drawing, showing the same in an assembled position. Fig. V is an enlarged detail front view of the parts shown in Fig. IV. Fig. VI is an enlarged horizontal section taken on line VI—VI of Fig. IV.

A designates a side of a window frame.

B is the lower sash and C the upper sash of the window. The sashes B and C are adapted to be operated in a window frame as usual.

1 designates one of a pair of stop strips by which the lower or inner sash B is confined in the window frame, which strips extend downwardly from the upper end of the window frame. The stop strips 1 are adapted to

be moved to permit the withdrawal of the window sash from the window frame and are pivotally attached to the sides of the window frame by pivot screws 2, shown in dotted lines in Fig. I. Each stop strip 1 has mounted in it at its rear side a retaining screw 3, (see Figs. III, V, and VI,) that is adapted to enter a groove A' in the adjacent side of the window frame.

4 is a retaining plate attached to the side of the window frame at the location of the groove A' therein, and in which is a slot 5 that is in registration with the slot A' in the window frame. The slot in this plate is adapted to receive the retaining screw 3 carried by the stop strip 1 in order that when the stop strip is moved inwardly into its normal position to confine the window sash, said strip will be held from movement in a direction away from the side of the window frame, due to the engagement of the head of the retaining screw against the back of the retaining plate 4, as shown in Figs. IV, V, and VI.

For the purpose of holding the stop strips 1 in their inner or sash confining positions at points intermediate of their upper and lower ends I utilize a catch hook 6 that is pivoted at 7 to each stop strip at a point that causes said hook to be in juxtaposition with the retaining plate 4 when the stop strip is in sash confining position. The catch hook is adapted to enter a notch 4' in the adjacent retaining plate, as seen most clearly in Fig. VI, and when it is entered into this notch, the plate serves to hold the catch hook and the stop strip from movement in a direction away from the window sash.

I claim—

A stop strip fastener for windows comprising a slotted plate, a headed stud and a catch hook for preventing the disengagement of the headed stud from the slotted plate.

In testimony whereof, I have hereunto set my hand this eleventh day of December, 1907.

THOMAS J. DANIEL.

In the presence of—

BLANCHE HOGAN,
H. G. COOK.