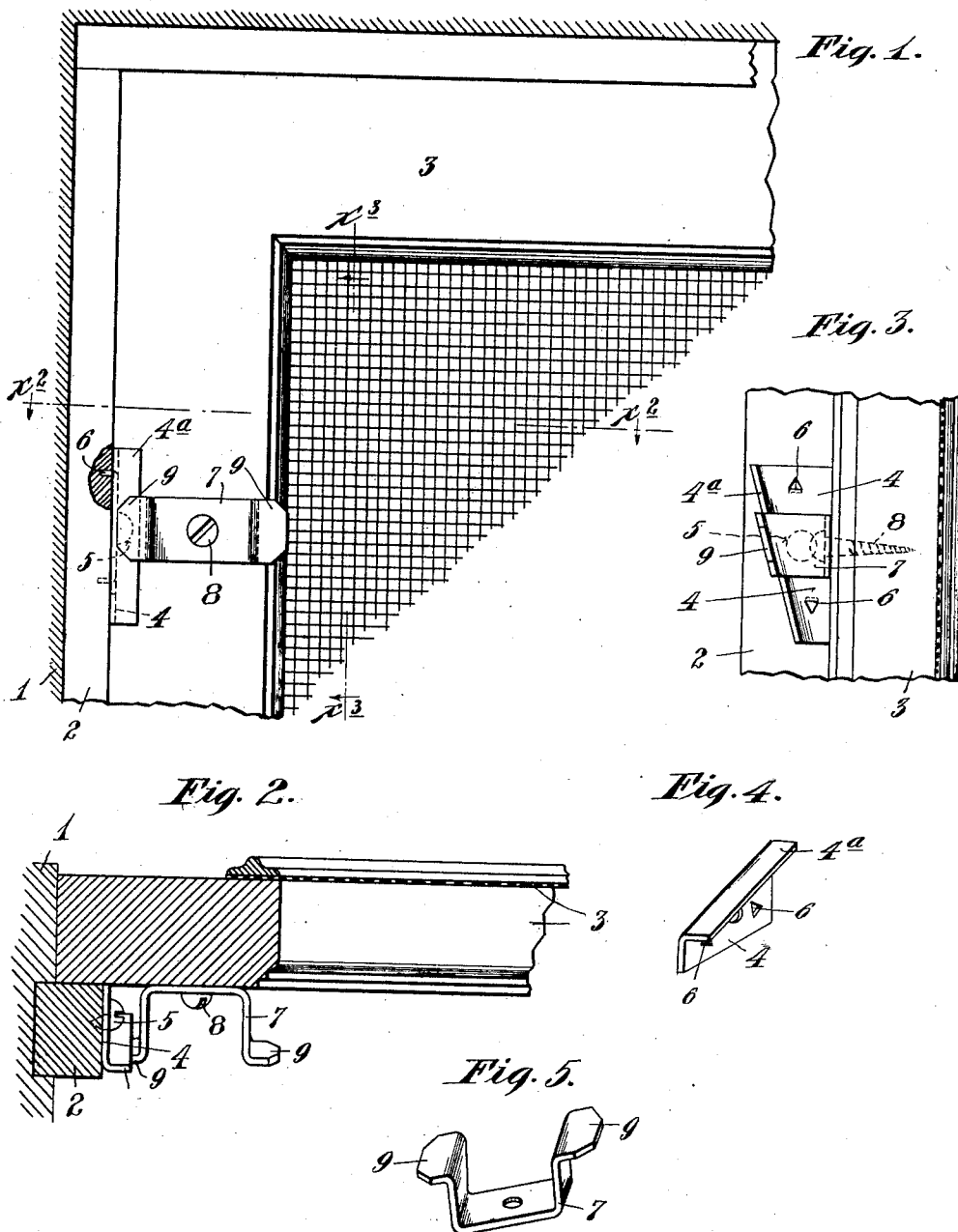


No. 827,083.

PATENTED JULY 31, 1906.

J. W. COUNCILOR.
SCREEN AND STORM WINDOW FASTENER.
APPLICATION FILED NOV. 13, 1905.



Witnesses.

E. W. J. J. J.

A. D. Kilgore.

Inventor.

J. W. Councilor.

By his Attorneys

William M. M.

UNITED STATES PATENT OFFICE.

JOHN W. COUNCILOR, OF WATERLOO, IOWA.

SCREEN AND STORM-WINDOW FASTENER.

No. 827,083.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed November 13, 1905. Serial No. 286,980.

To all whom it may concern:

Be it known that I, JOHN W. COUNCILOR, a citizen of the United States, residing at Waterloo, in the county of Blackhawk and State of Iowa, have invented certain new and useful Improvements in Screen and Storm-Window Fasteners; 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.

My invention relates to screen or storm-window fasteners, and has for its especial object to provide a fastener whereby screens or storm-windows may be quickly and easily locked in working position or removed therefrom by manipulation from the inside of the building.

To the above ends the invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a view taken from the inside of a building looking out, showing in side elevation a portion of a window-frame having secured thereto by the improved fastener a portion of a screen. Fig. 2 is a horizontal section taken on the line $x^2 x^2$ of Fig. 1. Fig. 3 is a vertical section taken on the line $x^3 x^3$ of Fig. 1. Fig. 4 is a detail view in perspective, showing a so-called "cam-block;" and Fig. 5 is a detail view in perspective, showing a so-called "double-end turn-button."

The numeral 1 indicates a portion of a window-frame, 2 the outside stop-strip, and 3 a portion of a window-screen, all of the ordinary construction.

The numeral 4 indicates a cam-block having a cam-flange 4^a set obliquely to the face of the screen 3. Said cam-block, as shown, is secured to the stop-strip 2 by a screw 5 and is held against rotation by a pair of V-shaped lugs 6, stamped from said cam-block 4 and bent at right angles thereto.

The numeral 7 indicates a U-shaped double-end turn-button secured to the screen 3 for pivotal movements by a screw 8. The said turn-button 7 is provided at its opposite

ends with cam-arms 9, said arms being bent at right angles to the free ends of said turn-button 7 and set in the same plane as the cam-flange 4^a for camming action thereon.

Each window equipped with the improved fastener would of course have permanently secured to the outside stop-strip 2 at least two, and in most cases four, cam-blocks 4, an equal number on each side of the window, and the screen or storm-window for that particular window-frame would have pivotally mounted thereon a like number of the double-end turn-buttons 7. It may be here stated that the object in making the turn-button 7 with both ends alike is that they may be used on either right or left side of the screen or storm-window. In placing a screen or storm-window in place the turn-buttons 7 are of course turned at right angles with respect to Fig. 1 of the drawings. After the screen or storm-window is in place the turn-button 7 is then turned on its pivot, the screw 8. This action will bring the cam-arms 9 into position for a camming action on the cam-flange 4^a of the cam-block 4. This action will draw the screen or storm-window very tightly against the stop-strip 2 of the window-frame, thereby making a very tight joint and also securely holds the same in place. A screen or storm-window fastener that can be operated from the inside of the building is very desirable, as it is much easier to place a screen or storm-window in position from the inside of the building than from the outside, especially above the first story. It also prevents an intruder from removing the same and entering the building from the outside.

The fastener just described, while efficient for the purposes had in view, is of comparatively small cost.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. A cam-block or storm-window fastener, comprising a cam-block and a double-end turn-button, which cam-block is securable to the stop-strip of the window-frame, and which double-end turn-button is securable to said screen or storm-window, and is provided at its ends, with cam-arms adapted to engage said cam-block, substantially as described.

2. A screen or storm-window fastener, comprising a cam-block, securable to the stop-strip of the window-frame, and having a cam-flange set obliquely to the face of said
5 screen or storm-window, and a double-end turn-button pivotally mounted on said screen or storm-window and having cam-arms on its opposite end, set in the same plane as the

said cam-flange, for camming action on said cam-flanges, substantially as described. 10

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

JOHN W. COUNCILOR.

Witnesses:

H. C. CARPENTER,
IRA RODAMAR.