(No Model.)

M. HAUSER.

WINDOW SCREEN.

No. 600,870. Patented Mar. 22, 1898.

Fig. 1.

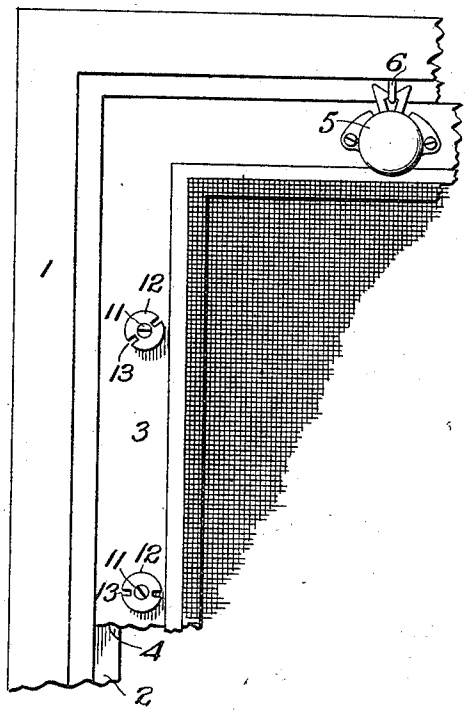


Fig. 2.

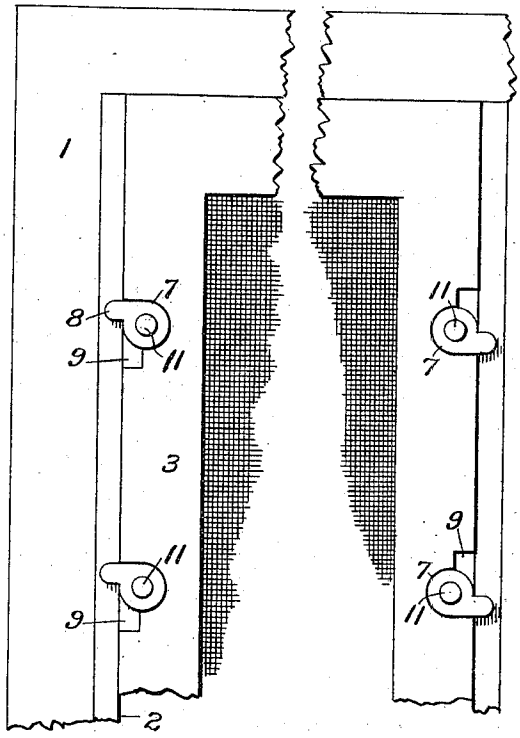
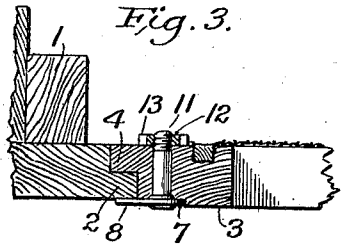


Fig. 3.



WITNESSES

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WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 600,870, dated March 22, 1898.

Application filed March 16, 1897. Serial No. 627,761. (No model.)

To all whom it may concern:

Be it known that I, MARTIN HAUSER, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Window-Screens; 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 window-screens; and the object in view is to provide novel and convenient means for detachably securing a screen in a window-frame, the fastening means being capable of being operated from one or both sides of the screen-frame, as may be preferred and according to requirements, such as the position of the screen with relation to the window-sashes, &c.

With this general object in view the invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and incorporated in the claim hereto appended.

In the accompanying drawings, Figure 1 is an inside elevation showing a screen and a portion of a window-frame, the screen being equipped with the improved fasteners. Fig. 2 is a reverse elevation of the screen-frame. Fig. 3 is a detail horizontal section through the screen and window frame adjacent to one of the fasteners.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the drawings, 1 designates a window-frame provided with vertically-extending guide strips or beads 2, upon which the screen-frame (indicated at 3) is adapted to slide. The side bars of the screen-frame are rabbeted at one corner, as indicated at 4, in order to receive and slide upon the strips or beads 2, and the screen is provided with a catch 5, secured to its upper bar, the same being adapted to automatically engage a keeper 6, secured to the top bar of the window-frame.

For the purpose of carrying out the present invention the screen-frame 3 is provided upon one side and adjacent to its side edges with pivoted buttons 7. Each of said buttons comprises a disk-shaped main body to which the reference-numeral 7 is applied and a tangentially-disposed projecting portion 8, adapted to engage with one of the strips 2 when thrown outward, so as to extend laterally beyond the side bar of the screen-frame. The screen-frame is recessed upon that side to which the fasteners are applied, said recesses (indicated at 9) being of the same shape as the buttons 7 when the latter are moved inward, so as to afford no projection beyond the side edge of the screen-frame, said recesses also serving to allow the fasteners to set in flush with the surface of the screen-frame.

In case the screen-frame is placed inside of the sashes with the buttons or fasteners 7 on that surface of the screen-frame which lies adjacent to the sashes it is desirable to provide means whereby said buttons or fasteners may be turned from the inside of a room without having to reach under the screen-frame and between said frame and the sashes in order to operate said fasteners for releasing the screen-frame from its position. In order to accomplish this, the button or catch 7 is mounted fast upon one end of a short transverse shaft 11, which extends from the side bar of the screen-frame, the inner end of said shaft being threaded to receive a disk-shaped nut 12. This nut is provided at diametrically opposite points with notches 13 to receive the bifurcated end of a screw-driver, wherewith it may be turned for tightening or loosening the button or fastener. The inner end of the shaft of the button or fastener is also provided with a diametrical slit to receive the point of a screw-driver, whereby after the nut is loosened the said shaft may be turned for throwing the button or fastener carried thereby into or out of engagement with the strip 2 of the window-frame. In case the screen is applied to a blind-stop outside of the sash the surface of the screen-frame to which the buttons or fasteners are applied is turned inward or toward the sashes.

By means of the construction above described it will be seen that the screen-frame may be easily and quickly placed in position and as readily detached whenever desired. The buttons or fasteners 7 may be stamped from sheet metal or cast, as preferred, and will never wear out. It will also be seen that

the fasteners may be operated from either side of the screen-frame.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

A window-frame provided with vertically-extending guide strips or beads 2 which have shouldered edges, the screen-frame 3 also provided with a shouldered edge so as to correspond to the guide-strips, the catch 5 secured to the screen, and the keeper 6 secured to the top part of the window-frame, combined with the transverse bolts, suitable nuts secured to the screw-threaded ends of the bolts, and buttons placed upon the other ends of the bolts, and which are provided with projections for engaging the strips on the window-frame, substantially as shown.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MARTIN HAUSER.

Witnesses:
JAMES CLARK,
DECLAN ALLEN.