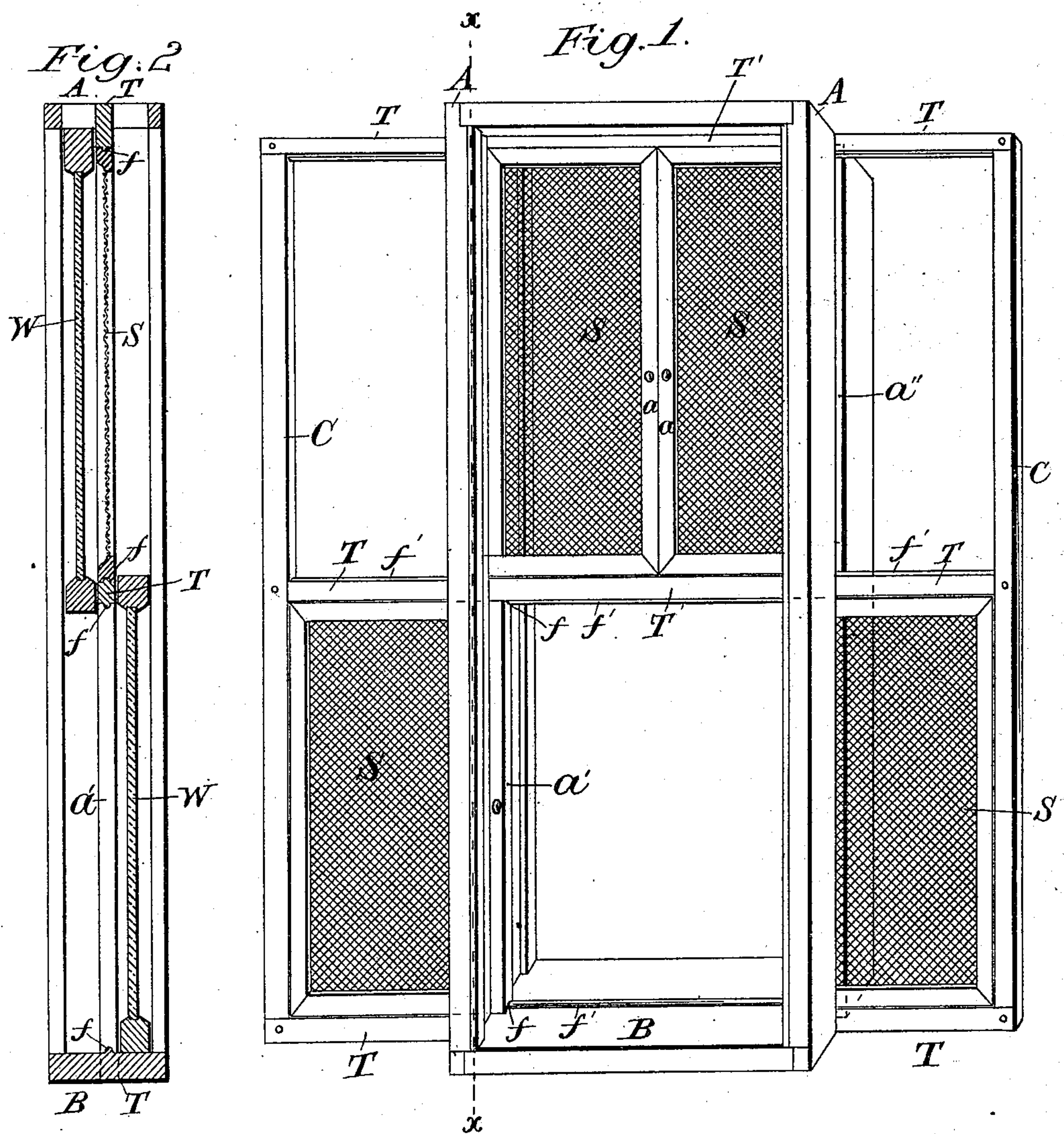


(No Model.)

J. C. PROCTOR.
SLIDING WINDOW SCREEN.

No. 316,174.

Patented Apr. 21, 1885.



Witnesses:

H. B. Swarth
Lucas Flattery

Inventor
John C. Proctor.

UNITED STATES PATENT OFFICE.

JOHN C. PROCTOR, OF WOOSTER, OHIO.

SLIDING WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 316,174, dated April 21, 1885.

Application filed September 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. PROCTOR, a citizen of the United States, residing at Wooster, in the county of Wayne and State of Ohio, have invented a new and useful Sliding Window-Screen, of which the following is a specification.

My invention relates to improvements in window-screens, and its object is to provide a method of permanently connecting window-screens with a window-frame so as to be constantly in readiness for use, and at the same time be out of the way of the sashes; and it consists in constructing vertical slots in the window-jambs adapted to the thickness of the screen-frames, in connection with horizontal guide-rails adapted to carry the screens through the slots into the wall of the building or into position for use in the window-frame. I accomplish the said object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front view of a window-frame having my improved sliding window-screens, showing the screens for the upper sash drawn together for use and those for the lower sash separated and pushed back into the window-jambs and out of the way. Fig. 2 is a vertical sectional view of the window frame, sashes, and screens on the line *x x* of Fig. 1.

A designates the jambs of an ordinary window-frame. B is the sill of the same. The jambs are each made with a vertical slot (shown at *a'*) from top to bottom, occupying the usual furrows made in window-jambs for the parting-strips between the sashes. Through these slots, and horizontally across the window-frame at its top, middle, and bottom, are placed cross-strips T, which serve as guide-rails upon which the screens slide out of and into the window-jambs for use and disuse, as may be desired.

T' indicates those parts of the guide-rails which are exposed. They extend outwardly from the frame on each side into the wall of the building, (which is readily adapted by being left hollow for this purpose,) and may be supported at their outer ends by the vertical strips C, respectively.

The parts of the guide-rails marked T are placed within the wall of the building, and are of course concealed by it, as are also the screens when pushed back, as shown at s.

The contacting edges of the guide-rails and screens respectively are loosely matched with tongue and groove *ff*, to hold and guide the screens. Suitable rollers may also be supplied to lessen the friction upon the guide-rails, if desired.

The outward movement of the screens is limited so as to leave a narrow strip of the screen-frame exposed within the window-frame, as shown at *a'*, which forms a complete substitute for the parting-strip heretofore used and necessary between the sashes as a guide for the same.

It will be seen that the middle guide-rail, being situated centrally between the meeting-rails of the upper and lower sashes, takes the place of the usual strips heretofore attached to the sashes to unite the same.

By this arrangement I provide window-screens adapted to be constantly in position for use without interfering with the movement of the sashes, and more readily adjusted than heretofore, and when not required they are readily pushed back out of the way and concealed within the wall and the window-frame.

Single screens may be used in narrow windows instead of double screens, if desired, in like manner.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a window-frame, the combination, with slotted window-jambs A, of the horizontal guide-rails T, and the screens s, fitted between the guide-rails T, to slide thereon through the slotted jambs, substantially as and for the purpose specified.

In testimony whereof I hereunto set my hand in the presence of two witnesses.

JOHN C. PROCTOR.

Witnesses:

LUCAS FLATTERY,
HIRAM B. SWARTZ.