

No. 610,437.

Patented Sept. 6, 1898.

A. L. DILLENBECK.
WINDOW SCREEN.

(Application filed Dec. 10, 1897.)

(No Model.)

Fig. 1.

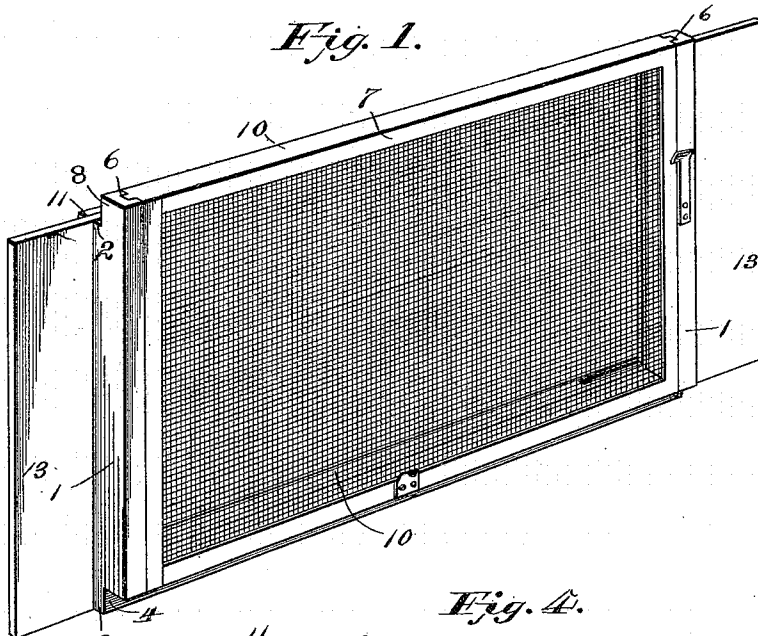


Fig. 4.

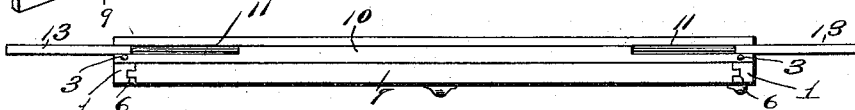


Fig. 2.

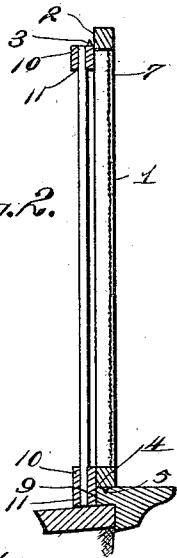
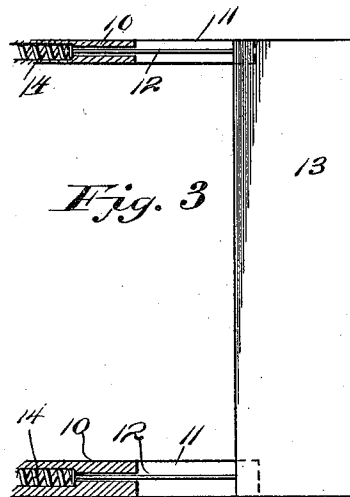


Fig. 3.



Witnesses

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ALBERT LESLIE DILLENBECK, OF FORT PLAIN, NEW YORK.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 610,437, dated September 6, 1898.

Application filed December 10, 1897. Serial No. 661,407. (No model.)

To all whom it may concern:

Be it known that I, ALBERT LESLIE DILLENBECK, a citizen of the United States, residing at Fort Plain, in the county of Montgomery and State of New York, 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 has for its object to provide, in connection with an adjustable window-screen, means whereby the screen proper may be adjusted independently of the window-sash and at the same time support the sash and prevent the latter from descending accidentally.

The detailed objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in an improved screen-frame embodying certain novel features, details of construction, and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and incorporated in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a window-screen constructed in accordance with the present invention. Fig. 2 is a vertical cross-section through a window frame and sash, showing the screen in its applied position. Fig. 3 is a detail sectional view of a portion of the screen, showing one of the extension-wings and the means for thrusting said wings outwardly. Fig. 4 is a top plan view of the screen.

Similar numerals of reference designate corresponding parts in all the views.

The improved screen contemplated in this invention embodies, essentially, a pair of upright side bars 1, each of the said bars being provided at its upper end with a notch 2, in the bottom of which is arranged a pointed tooth or spur 3 to enter the bottom rail of a sash while said sash is rested in the notch 2. At its bottom end each side bar is provided with a similar notch 4, designed to fit the window-sill, and while said notches are ar-

ranged to engage the window-sill the spurs 3 and 5 serve to maintain the screen in proper position between the sash and the frame and prevent the lateral escape of the screen. The bars 1 are provided upon their inner adjacent surfaces with vertical grooves or ways 6, in which slide the opposite side edges of the screen proper, (indicated at 7.) The grooves 6 are arranged just at one side of the sliding sash, so that the screen proper may be slid up and down along one side of the sash without the necessity of raising the sash and removing the screen-frame, as in the ordinary manner. By forming the notches 2 in the upper ends of the bars 1 upwardly-extending guards 8 are provided, which serve, by resting against the sliding sash, to properly position the screen-frame. In the same manner guards 9 are formed at the lower ends of the bars 1 for the same purpose. The bars 1 are connected at top and bottom by means of horizontal cross-rails 10, and these rails are provided with grooves or ways 11, in which slide the stems 12 of a pair of extension-wings 13, by means of which the width of the screen-frame may be increased or diminished to suit the width of the window-frame. The stems 12 slide in the grooves or ways 11, and between their inner ends are interposed springs 14, one spring being employed for each horizontal rail 10. The springs serve to thrust the stems 12 apart and hold the extension-wings 13 in close and yielding contact with the pulley-stile of the window-frame, thus making the screen-frame self-adjusting in width. Instead of providing the horizontal rails 10 with grooves 11 said rails may be made hollow or tubular to receive the stems 12, thus inclosing and hiding the stems 12 and springs 14.

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

1. A screen-frame comprising vertical side bars and connections between the same, in combination with the screen proper having its opposite side edges in sliding engagement with said side bars, and extension-wings mounted to slide past the side bars and in a plane parallel to and at one side of the screen, substantially as described.

2. A screen-frame, embodying side bars
grooved upon their inner surfaces and hav-
ing reversely-disposed notches at their upper
and lower ends, and also provided with spurs
5 arranged in said notches, in combination with
a screen proper slidably related to the screen-
frame and moving in a plane slightly at one
side of the window-sash beneath which the

screen-frame is placed, substantially as de-
scribed.

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

ALBERT LESLIE DILLENBECK.

Witnesses:

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