

(No Model.)

J. STARKEY.
WINDOW SCREEN.

No. 463,465.

Patented Nov. 17, 1891.

Fig. 1.

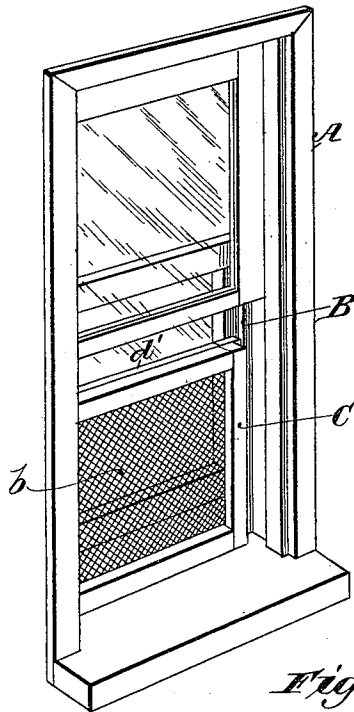


Fig. 2.

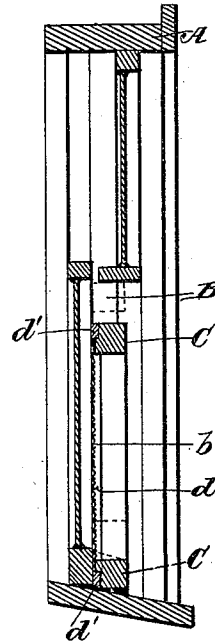


Fig. 7.

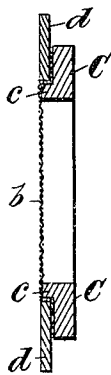


Fig. 5.

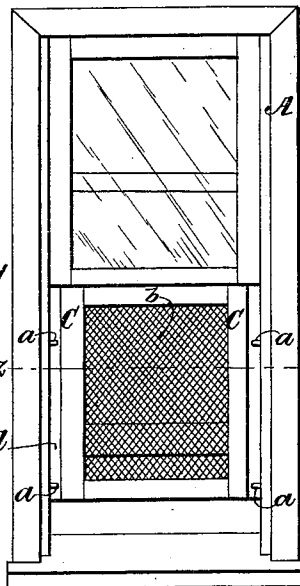


Fig. 3.

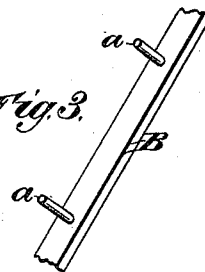


Fig. 6.

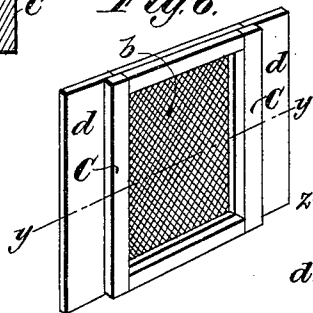
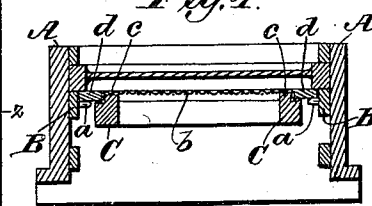


Fig. 4.



Witnesses.

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Atty.

UNITED STATES PATENT OFFICE.

JOHN STARKEY, OF MINERVA, OHIO.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 463,465, dated November 17, 1891.

Application filed March 2, 1891. Serial No. 383,522. (No model.)

To all whom it may concern:

Be it known that I, JOHN STARKEY, a citizen of the United States, residing at Minerva, in the county of Stark and State of Ohio, have
5 invented certain new and useful Improvements in Window-Screens; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a
10 part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view showing the outside of the window proper and illustrating the location of the screen. Fig. 2 is a
15 longitudinal section illustrating the window-sashes in proper position to close the window. Fig. 3 is a detached view of one of the parting-strips. Fig. 4 is a transverse section through line *x x*, Fig. 5. Fig. 5 is a side elevation illustrating the window-screen proper
20 elevated. Fig. 6 is a detached view of the window-screen proper. Fig. 7 is a transverse section through line *y y*, Fig. 6.

The present invention has relation to window-screens; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the window-frame, which is constructed in the ordinary manner and may be of any
35 desired size.

The parting-strips B are located upon the inner sides of the frame A and extend the entire length of the frame. To the parting-strips B are attached the pins *a*, which pins
40 are for the purpose hereinafter described.

The window-screen frame C is substantially of the form shown in Fig. 6. To the window-screen frame C is securely attached the wire-gauze *b*, said wire-gauze extending over the
45 shoulders *c*, which shoulders extend entirely around the frame C. The wire-gauze *b* is clamped between the shoulders *c* and the side extensions *d* and the bars *d'*.

For the purpose of adjusting the window-screen frame C to different-sized window-frames I provide the side extensions *d*, and
50 in use form said side extensions wider than

necessary, so that they may be cut down to fit or adjust the window-screen frame C to different-sized window-frames.

In use the side extensions *d* are properly adjusted to the window-frame, at which time the window-screen frame C together with its
55 different parts are placed in the position illustrated in Figs. 1, 4, and 5.

The pins *a* are for the purpose of engaging the side extensions *d* and thereby properly hold the window-screen frame C in the desired position.

For the purpose of providing a means for
65 elevating the window-screen frame C together with its different parts I prefer to form the frame C somewhat shorter than the space between the bottom of the window-frame A and the bottom or lower end of the upper window-
70 sash, thereby permitting the window-screen proper to be elevated for the purpose of operating the window-blinds or for any other desired purpose.

It will be understood that by my peculiar
75 manner of securing the wire-gauze *b* to the window-screen frame C said gauze will be flush with the side extensions *d* and the bars *d'*, thereby providing or forming a window-screen proper that can be placed within
80 the window-frame A and so located that the lower window-sash can be operated the same and in the same manner that it could be operated if the screen was not located within the frame A.

It will also be understood that by my peculiar arrangement I am enabled to quickly and easily remove the window-screen frame C from the window-frame A and again replace the same. It will also be understood
90 that by forming the window-screen frame C somewhat shorter than the space below the upper window-sash I am enabled to lower the upper sash, thereby providing a means for ventilation.

In order to provide a means for bringing the wire-gauze *b* into close proximity with the window-sash, I locate the gauze so that it will be flush with the frame C upon the side of said frame located against the window-sash.
100 The object and purpose are to provide a means for preventing insects from entering between the window-sash and the screen, and by this arrangement the screen and sash will be close

together at all times without reference to the adjustment of the window.

It will be understood that the window-screen frame may be secured to the outer side of the upper window, if desired; or a frame may be provided for the upper and lower window-sashes, it being understood that separate frames are to be provided for the upper and lower sashes. By attaching the reducible extensions d upon the sides of the frame and the bars d' at the top and bottom of said frame the wire-gauze will be securely held in proper position on said frame, and by forming the bars and extensions d' and d of a thickness corresponding with the depth of the shoulders e the gauze will be flush with the back faces of said parts.

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

The combination of the window-screen

frame C, provided with the shoulder c on both sides and on the top and bottom thereof, the reducible side extensions d and the bars d' , fitted in the shoulders c on the sides, top, and bottom, respectively, and of a thickness corresponding to the depth of the said shoulders, whereby the back face of the screen-frame and the faces of said extensions and bars are all in one plane, the wire-gauze b , located on the back face of said screen-frame, and the parting-strip B, having pins a , adapted to be secured to the window-frame A, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN STARKEY.

Witnesses:

HOWARD W. SPEAKMAN,
J. H. EAKIN.