J. BRIZEE.

Window-Screen.

No. 205,995. Patented July 16, 1878.

Fig. 1.

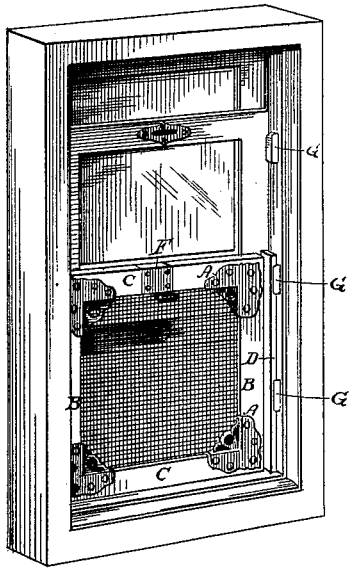


Fig. 2.

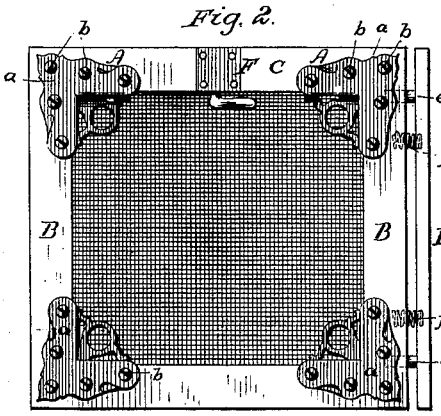


Fig. 3.

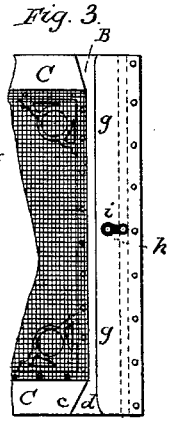
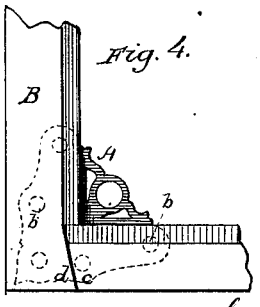


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN BRIZEE, OF ALVARADO, CALIFORNIA.

IMPROVEMENT IN WINDOW-SCREENS.

Specification forming part of Letters Patent No. **205,995**, dated July 16, 1878; application filed March 30, 1878.

To all whom it may concern:

Be it known that I, JOHN BRIZEE, of the town of Alvarado, county of of Alameda, State of California, have invented a new and useful Improvement in Window-Screens, which invention is fully set forth in the following specification, and shown in the accompanying drawing.

In the drawing herein referred to, Figure 1 is a perspective view of my invention applied to a window. Figs. 2 and 3 are detail views of the screen, showing its construction. Fig. 4 is a detail view of a corner of the screen-frame and the metal corner-pieces.

My invention relates to an improvement in the construction and hanging or adjustment of window-screens; and it consists in a screen having a novel construction of screen-frame and means for frictionally hanging and operating it within the window-sash, all which will be more fully set forth hereinafter.

To this end it consists more particularly in the combination with or application to the frame of the metal angle-pieces A A, fitted within the corners of the frame, and secured by means of the screws *b b* through the flanges *a*. The strips B B C C, of which the frame is composed, are formed with the dovetails *c d* on the ends, in the manner shown in drawing. These dovetails are so placed that when the shorter end strips C are pressed apart in opposite directions the inclined faces *c d* will act to move the side strips B B also apart, and thus the wire-gauze being first smoothly tacked or otherwise secured to the strips along its edges, this outward movement of the strips forming the frame will cause the wire to be properly stretched. In this position the angle-pieces are placed in the corners, and secured by means of the screws, as shown, and the parts of the frame are all rigidly secured together without any other fastening.

The means for holding this screen in position within the sash-frame or casing consist of the friction-bar D upon one side of the screen-frame, which is held in place by the guide-pins *e e*, and is pressed out against the side of the window-frame by the springs *f f*, as shown in Fig. 2. This edge, and the opposite one as well, runs in the track formed by the metal clips G G, secured at intervals along the sides of the window-frame, and the screen is held in place always between two of the guides, and cannot be easily thrown out of the clips. When the screen is removed, as when a change of season takes place, this edge D is held to the frame of the screen by the metal plate *g*, which has a slot, *h*, in it for the pin *i*, that acts to hold the plate to the screen-frame, and also permit the edge D to move toward and away from the frame B. This will be understood by reference to Fig. 3 of the drawing.

As thus constructed, my screen can be readily placed in the window to protect either the upper or the lower opening; and, as a further protection to prevent the screen being removed from the outside of the window, I provide and combine with it the lock or fastening E, operated from the inside, and caused to engage with the recesses or slotted plates secured to the window-sashes. This lock prevents either the window-sash or the screen from being moved from the outside.

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

1. A window-screen frame composed of the parts B B C C, with dovetails or inclined faces *c d* at the ends, and the angle pieces or plates A A, and the friction-bar D, with its springs *f f*, substantially as herein described and shown.

2. In combination with the window-screen frame, constructed of the strips B B C C, with dovetails or inclined faces *c d* at their ends, as described, the holding angle pieces or plates A, with their flanges *a a* provided with holes *b b*, constructed and applied substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 28th day of February, 1878.

JOHN BRIZEE. [L. S.]

Witnesses:

C. W. M. SMITH,

E. V. SUTTER.