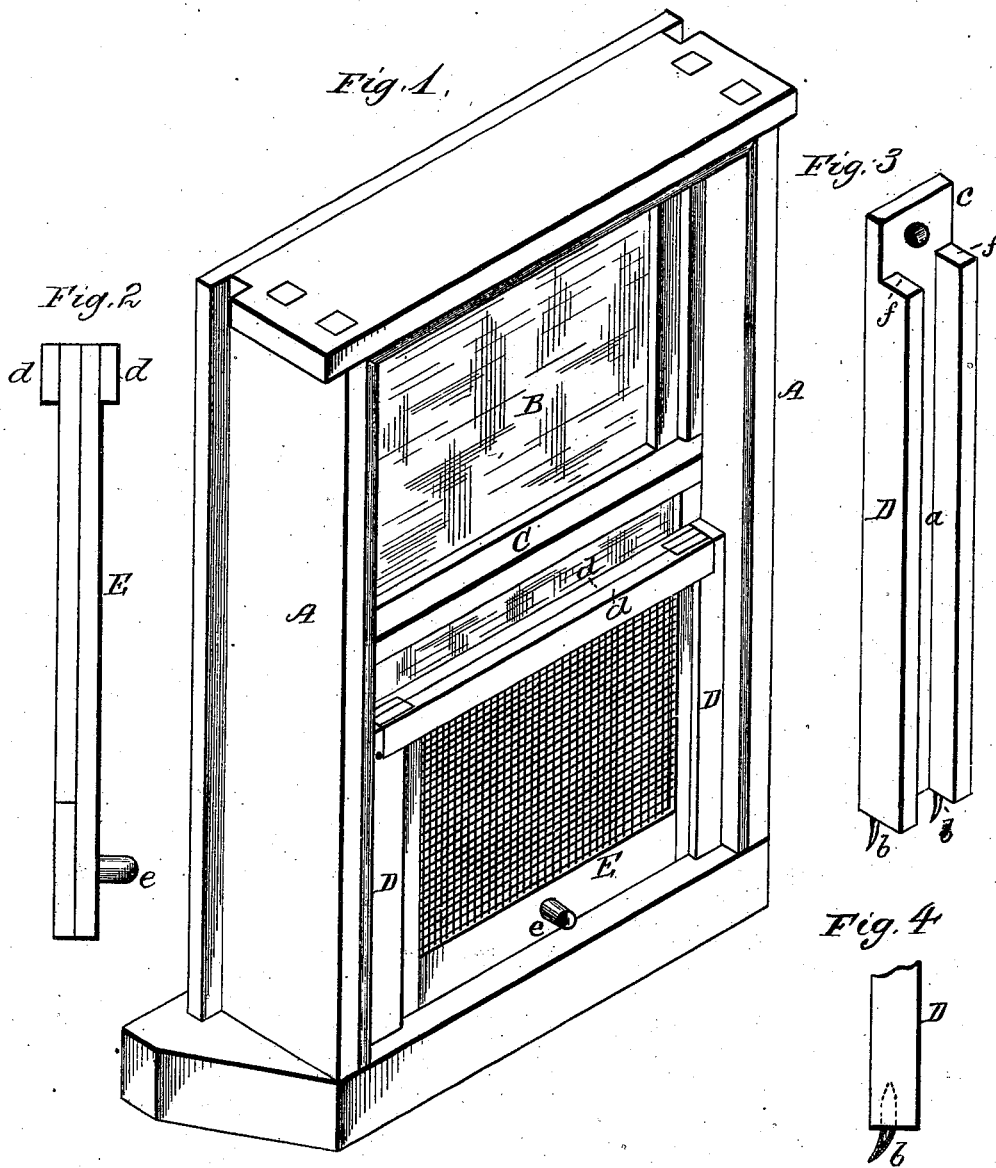


E. NEARY.
Window-Screen.

No. 207,815.

Patented Sept. 10, 1878.



WITNESSES

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UNITED STATES PATENT OFFICE.

EDWARD NEARY, OF NESHANIC, NEW JERSEY.

IMPROVEMENT IN WINDOW-SCREENS.

Specification forming part of Letters Patent No. **207,815**, dated September 10, 1878; application filed August 10, 1878.

To all whom it may concern:

Be it known that I, EDWARD NEARY, of Neshanic, in the county of Somerset and State of New Jersey, have invented a new and valuable Improvement in Window-Screens; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a perspective view of the invention, showing it applied to a window-frame. Fig. 2 is an end view of the window-screen. Fig. 3 is a perspective view of one of the grooved rails; and Fig. 4 is a detailed view of a portion of the lower end of the grooved rail, showing the spur-connection.

This invention relates to window-screens; and the object or purpose thereof is to provide a simple device that can be readily secured to the sides of any window-frame without injury thereto, for holding the frame to which the screen is attached, and admitting said frame with the screen sliding vertically, and rendering it capable of being removed; also, in so constructing the frame of the screen that it will exclude all insects, and prevent them from entering the room between the side of the window-frame and frame of the screen, as will be hereinafter described.

In the accompanying drawings, A represents the window-frame, of the usual construction. B is the upper or outer sash, and C the lower or inner sash. To the lower portion of the frame A, and to the inner sides thereof, are secured vertical rails D, said rails having a groove, *a*, extending their entire length, and upon their lower ends a spur or claw, *b*, as illustrated in Fig. 4 of the drawings, and at the upper end of the rail is a flange, *c*, through which passes a suitable screw for connecting the rail to the side of the frame A. These grooved rails D, with the spur-connection, may be manufactured at a very small cost, and may

be secured to the sides of the frame A by simply pressing the spur *b* its entire length into the wood of the window-frame, and afterward fastening the upper end of the strip by a screw to the frame. By this simple device no material injury is done to the window-frame or to the paint, and the facility with which it can be attached to or detached from the frame renders it exceedingly valuable for holding window-screens.

The gauze screen E is provided at its upper end with cleats *d*, secured to both of its sides, and upon its lower end the screen is formed or provided with a knob or button, *e*, for convenience in raising and lowering. The cleats *d* are of great importance in connection with the peculiar construction of the grooved rails D, as, when the screen is closed, not only do the ends of the cleats rest upon the upper ends *f* of the strips and against the flanges *c*, making a very tight connection between the two, but the cleat also fills the space that would otherwise be left between the face of the lower sash-rail of the open window and the upper bar of the screen, thus preventing mosquitoes and other insects from entering the room. The screen is easily raised or lowered, and free from contact with the paint or varnish, thus avoiding scratching or otherwise injuring it, and when the screen is not required for use it can be removed from the window-frame, as also can the rails D.

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

The removable grooved rails D, formed with flange *c*, in combination with the screen E and cleats *d d*, substantially as and for the purpose set forth.

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

EDWARD NEARY.

Witnesses:

GILBERT LANE,
EZEKIEL B. EVERITT.