

J. A. Thorn.
Window Screen.

Nº 96,363.

Patented Nov. 2, 1869.
Fig. 1.

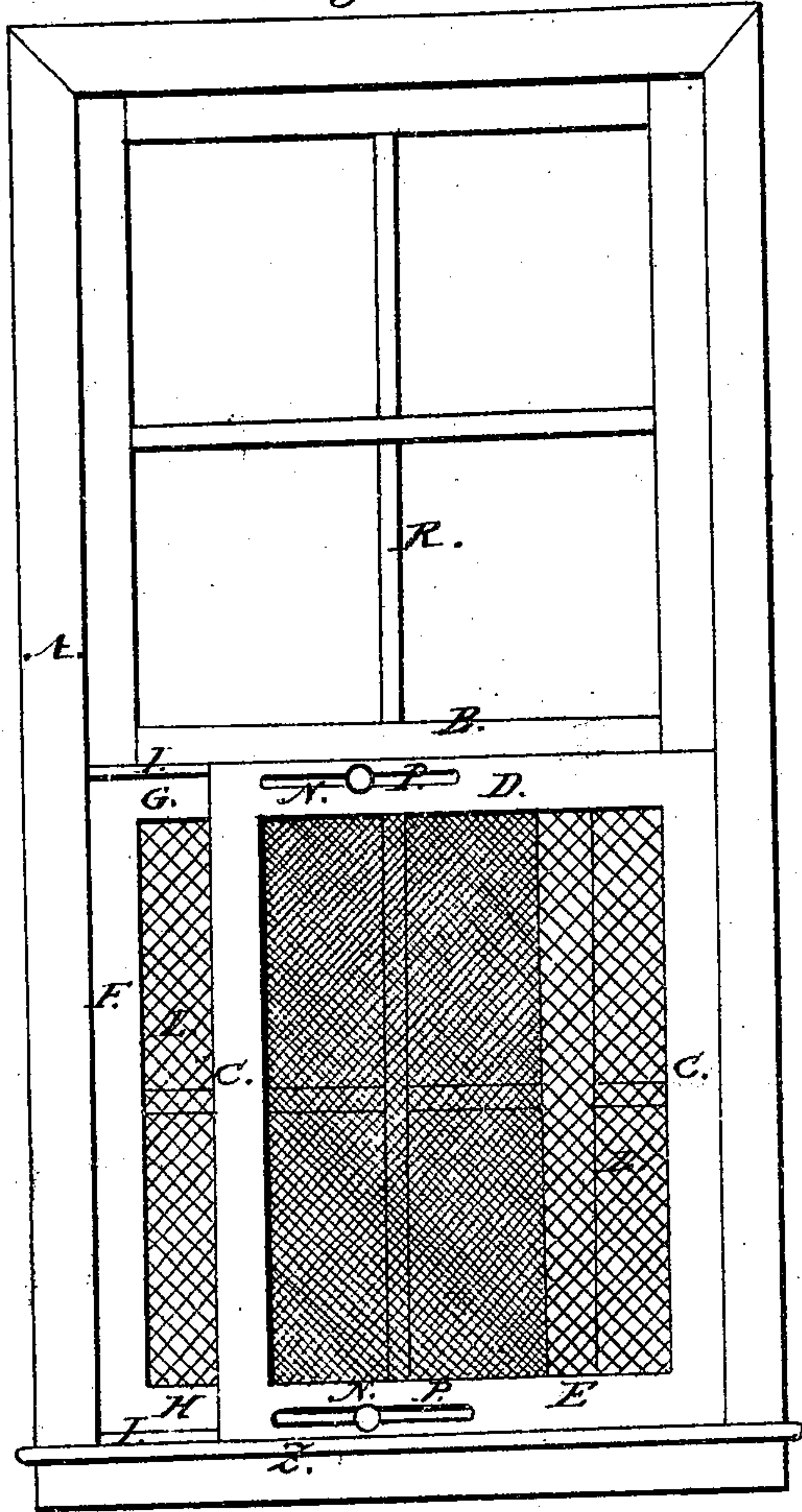
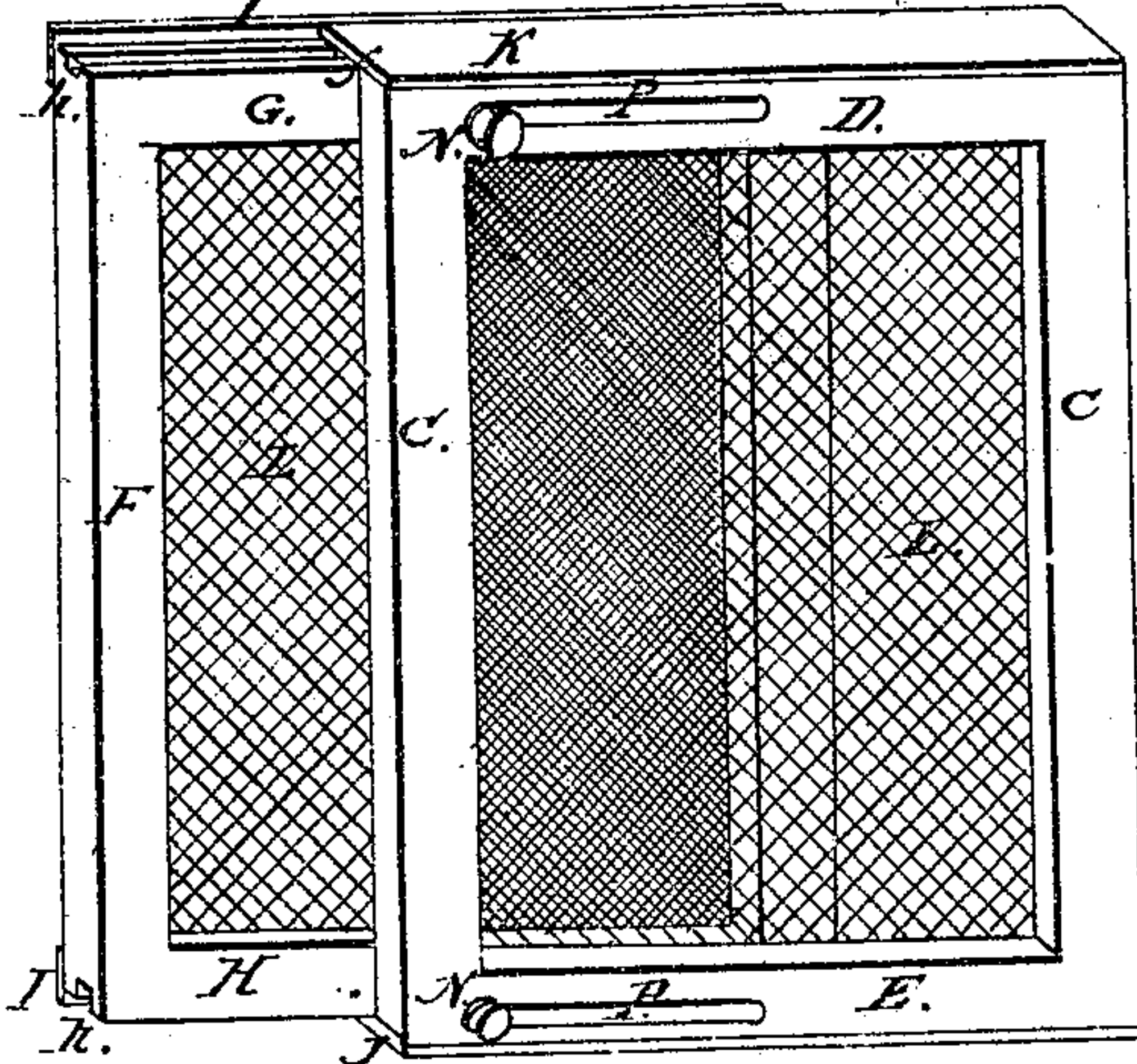


Fig. 3.



Fig. 2.



Witnesses;

G. L. Chapin
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United States Patent Office.

JAMES A. THORN, OF CHICAGO, ILLINOIS.

Letters Patent No. 96,363, dated November 2, 1869.

IMPROVED WINDOW-SCREEN.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JAMES A. THORN, of Chicago, in the county of Cook, and State of Illinois, have invented an Improved Screen for Windows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and letters marked thereon, making a part of this specification, in which—

Figure 1 is an elevation of my improved screen placed in the frame of a window.

Figure 2, a perspective representation of the same, removed from the window.

This invention relates to an improvement in that class of window-screens which may be adjusted to suit window-frames of different widths; and

Its nature consists in attaching to the bottom and top of one of the screen-frames, guide-strips, which have tongues running in grooves formed in the top and bottom edges of the other frame, and in fastening metal plates to the frame in which the grooves are made, to fill the spaces between it and the window-sill and sash, as hereinafter clearly shown.

C D E represent the inner frame, which is made of wood, in the usual manner, and provided with slots, P, through which screws, N, are put, to hold the frame C D E to a frame, H G F, when the frames are adjusted to a window-frame, as shown at fig. 1.

The gauze or wire cloth L is placed on the outer sides of the frames, and held in place by means of small strips of wood, M, fig. 3, driven into grooves extending around the outer sides of said frames.

Nothing, however, is claimed in the construction so far set forth, as adjustable frames have been before used.

In order so to hold the two frames together that

they will remain parallel to each other, and run easily, I attach a strip, K, provided with a tongue on its inner side, to the top edge of rail D of the inner frame, and attach a strip, J, also provided with a tongue, to the lower rail E, said strips extending over the edges of the rails G H of the outer frame, and the tongues *f*, running in grooves *h*, so hold the frames that the stiles F O will always remain parallel.

This is not the case where the screws N are wholly relied upon to hold the frame in place; consequently there is considerable trouble experienced in adjusting the screen to the window-frame in the latter case, which is not met in setting my improved screen.

In order to fill the space between the rail G and sash B, and the space between the rail H and sill Z, I fasten, by screws or otherwise, thin metal plates, I, as shown at figs. 1 and 2, thus preventing the possibility of insects passing through.

All that is required to adjust the screen to the window-frame is to raise the sash B, set the screen under it, and draw the frames apart to reach the jamb-casing, then fasten the set-screws N, and allow the sash to rest on the top of the screen, as shown at fig. 1.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

In the construction and arrangement of adjustable screens, the guide-pieces K J, provided with tongues *f* running in grooves *h*, in combination with the plates I, said parts being used to facilitate the adjusting of the frames C D E and F G H, and shut the space between the rail G and sash B, and between the rail H and sill Z, as described.

JAMES A. THORN.

Witnesses:

G. L. CHAPIN,
E. E. GIBSON.