

(No Model.)

G. H. GOULD.

WINDOW SCREEN AND FIXTURE.

No. 378,587.

Patented Feb. 28, 1888.

Fig. 1.

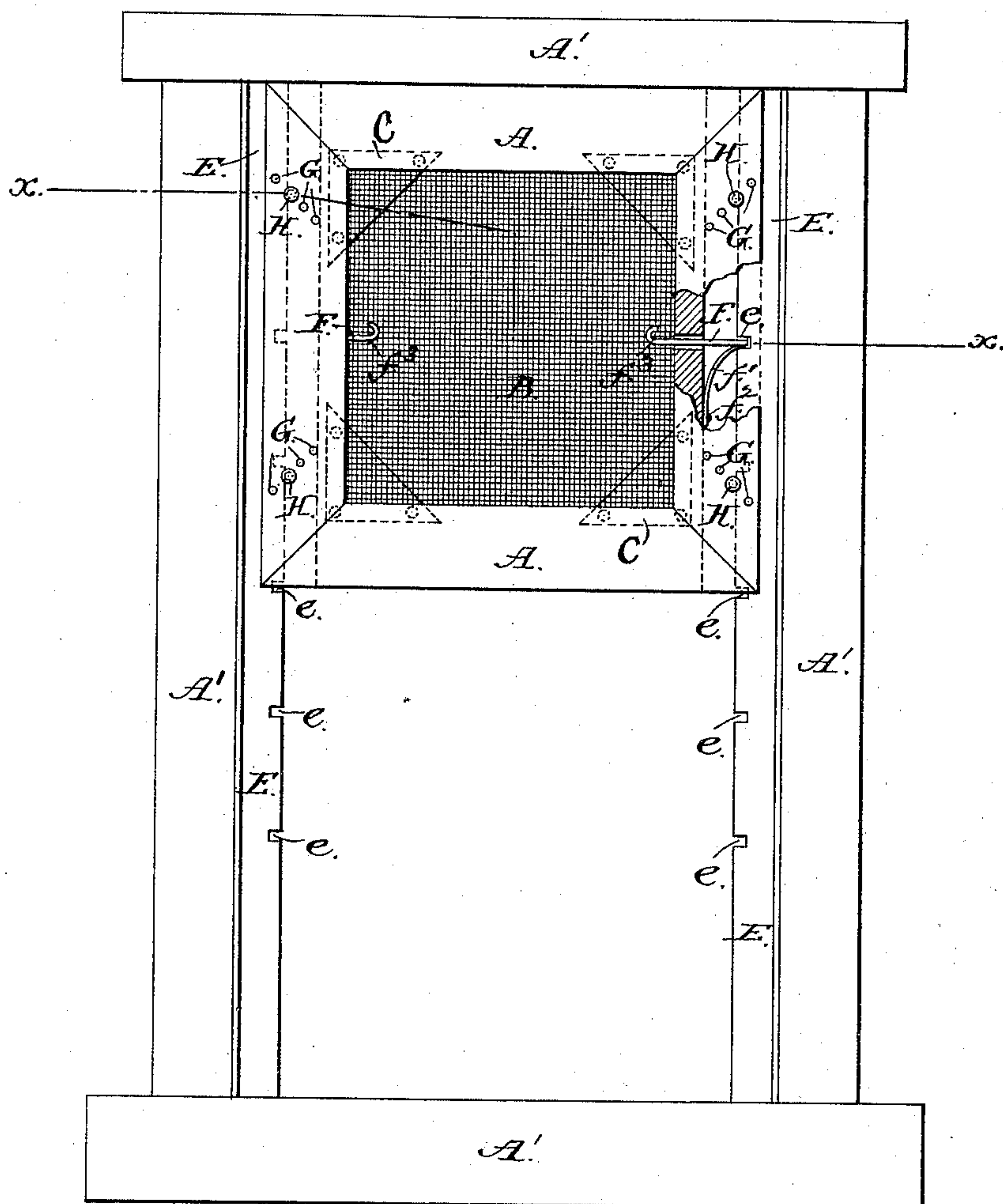


Fig. 2.

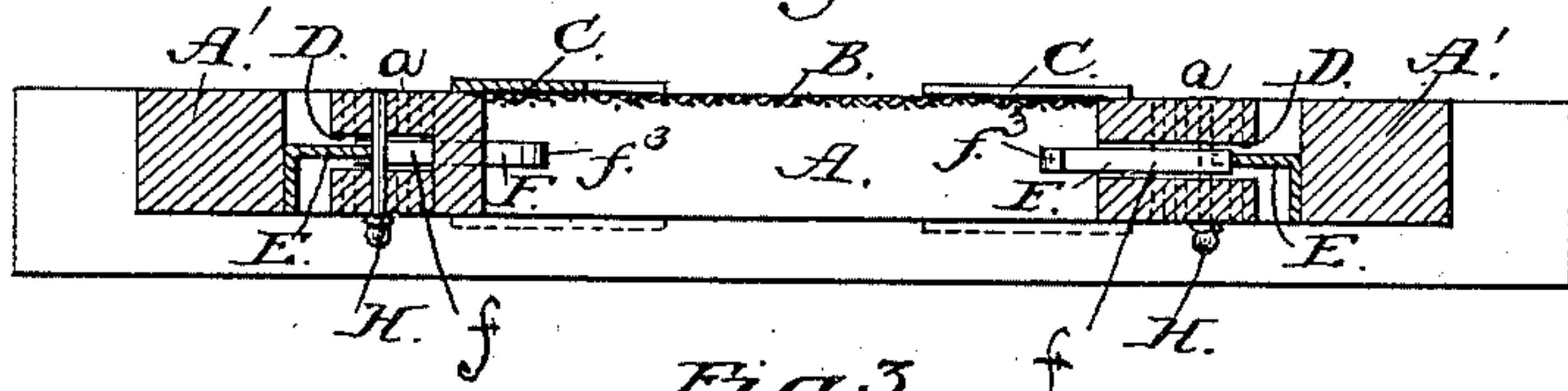
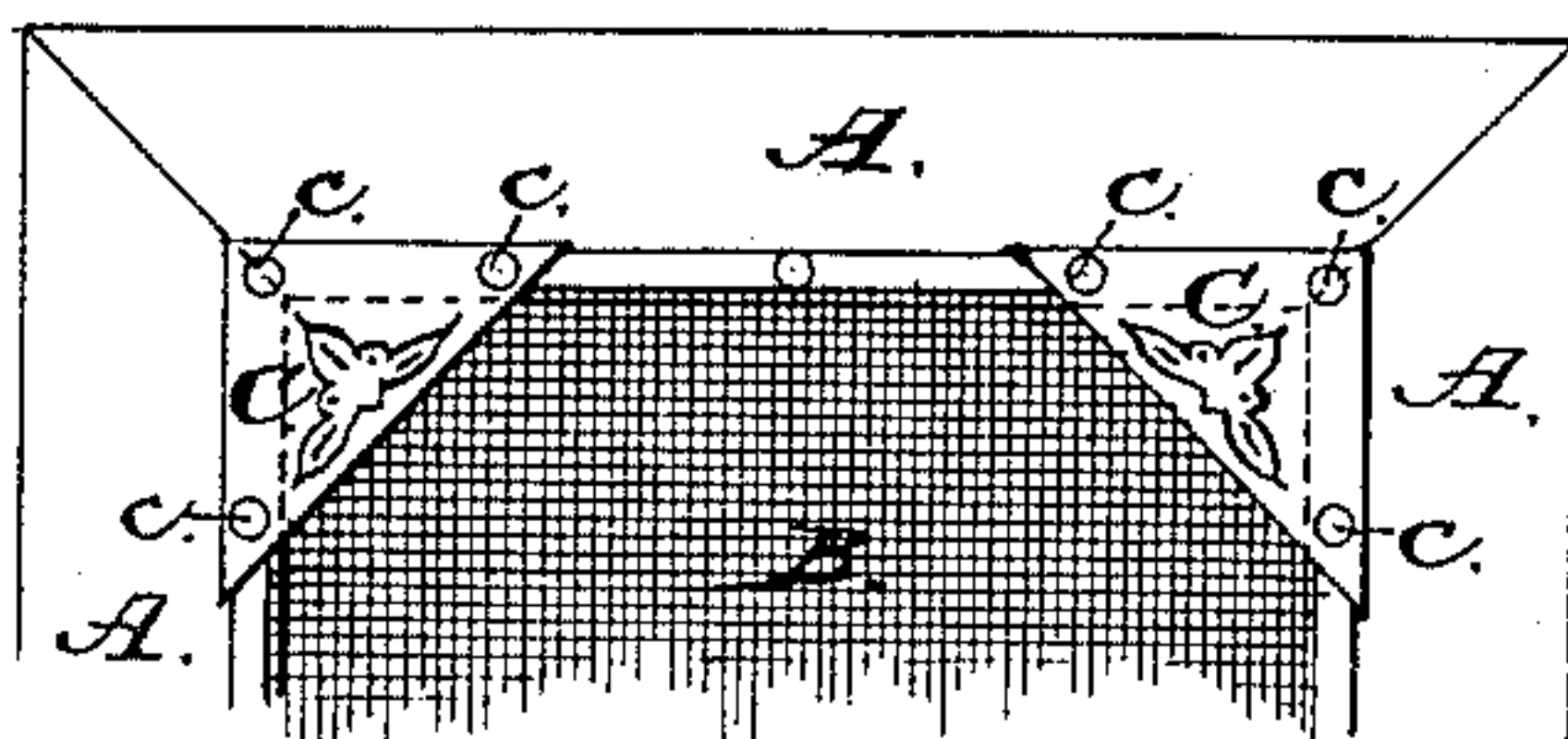


Fig. 3.



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WINDOW SCREEN AND FIXTURE.

SPECIFICATION forming part of Letters Patent No. 378,587, dated February 28, 1888.

Application filed July 21, 1887. Serial No. 244,888. (No model.)

To all whom it may concern:

Be it known that I, GEORGE HOWARD GOULD, of West Lebanon, in the county of York and State of Maine, have invented a new and Improved Window Screen and Fixtures, of which the following is a full, clear, and exact description.

My invention relates to window-screens, and has for its object to provide an inexpensive and efficient screen and fixtures therefor, which will allow the same screen to be readily fitted to windows of varying widths, and will permit adjustment and locking of the screen at any height in the window.

The invention consists in certain novel features of construction and combination of parts of the window-screen and fixtures, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is an inside face view of a window-frame fitted with my improved screen, which is partly broken away and in section. Fig. 2 is a sectional plan view taken on the line *x x*, Fig. 1; and Fig. 3 is an outside face view of a portion of the screen.

The window-screen is made with a frame, A, a netting, B, of wire-cloth or other suitable material, stretched across the interior opening of the frame and secured by tacks or otherwise, and sheet-metal plates C, which are preferably made in triangular general form, and are fixed by screws or nails *c* to the frame at the four corners of it, and preferably directly over the corners of the netting, as shown in full lines in Figs. 2 and 3 of the drawings; but the corner plates, C, may be fixed to the frame at its inner face, or at the side opposite that to which the netting is attached, and as shown in dotted lines in Fig. 2. The object of the corner plates, C, is to stiffen and strengthen the screen-frame, and this object is attained to whichever side of the frame the plates are attached, and the plates may be stamped out with any desired face ornaments to give a pleasing appearance to the screen.

The opposite side bars, *a a*, of the frame are grooved at D D, to fit and slide upon metal or wood guide strips or tongues E E, which are

fixed to opposite sides of the window frame or casing A', and are provided in the edges with series of notches *e e*, into any opposite two of which the inner ends of spring-catches F F, fixed to the frameside bars, may enter to lock the screen at any desired position or height in the window-frame.

In Fig. 1 the screen is locked by the catches at the top of the window. The catches F are each formed of a bolt, *f*, which is fitted to slide in a hole made for it edgewise from the base of the screen-frame groove D to the inner edge of the screen-frame side bar, *a*, and a spring portion, *f'*, which at one end is connected to the outer end of the bolt *f*, and at its other end is fixed, at *f*², to the base of the groove D. The inner end of the catch-bolt *f* is formed as a hook, *f*³, which may be grasped for drawing the catch from the guide-slot *e* and against the tension of the spring *f'*, when it is desired to shift the screen in the window-frame.

It will be noticed that the screen guides or tongues E E are made considerably wider than guide-strips usually employed for holding window-screens to a window-frame, and the screen-grooves D D are made still deeper in proportion, thus allowing the screen to be taken from the window, and without removing either of the guide-strips E, by simply pressing the screen edgewise to either side and compressing one of the spring-catches F until the opposite side of the screen is clear of the adjacent guide E, when the screen may easily be swung outward and slipped from the opposite guide E, toward which it had been pressed.

The main object and chief advantage of making the screen-grooves D of considerable depth and the guides E of more than ordinary width is, however, to allow the same screen and guides to be applied to window-frames of different widths; and in order to hold the same screen to window-frames of varying widths I have provided each of the screen-frame side bars, *a a*, with two series of holes, G G, which preferably range diagonally from the outer edges of the bars *a a* toward the center of the screen and allow two pins, H H, to be set into two holes, G G, directly over each other, and so that the two pins H H at each side of the screen will pass as closely as may be to the outer edges of the guides E E, and prevent

excessive edgewise or side play of the screen while it is being slid or adjusted in the window. It is obvious that by adjusting the pins H in the screen-holes G nearer to the vertical center of the screen the screen may be fitted to a narrower window, and by adjusting the pins farther from the center of the screen or nearer to the window-frame the same screen may be fitted to a wider window, as circumstances may require.

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

1. A window-screen provided at opposite sides with deep grooves D D, and having series of holes G in its side bars, in combination with guide-strips E E, fixed to the window-

frame, and pins H, passed into the holes G to bear on the guides, substantially as described, for the purposes set forth.

2. A window-screen provided at opposite sides with deep grooves D D, and having series of holes G in its side bars, in combination with guide-strips E E, fixed to the window-frame and provided with edge notches e, pins H, passed into the holes G to bear on the guides, and spring-catches F, fitted in the screen-frame and adapted to the guide-notches e, substantially as described, for the purposes set forth.

GEORGE HOWARD GOULD.

Witnesses:

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