

(No Model.)

J. G. SCHILL.
WINDOW SCREEN.

No. 530,353.

Patented Dec. 4, 1894.

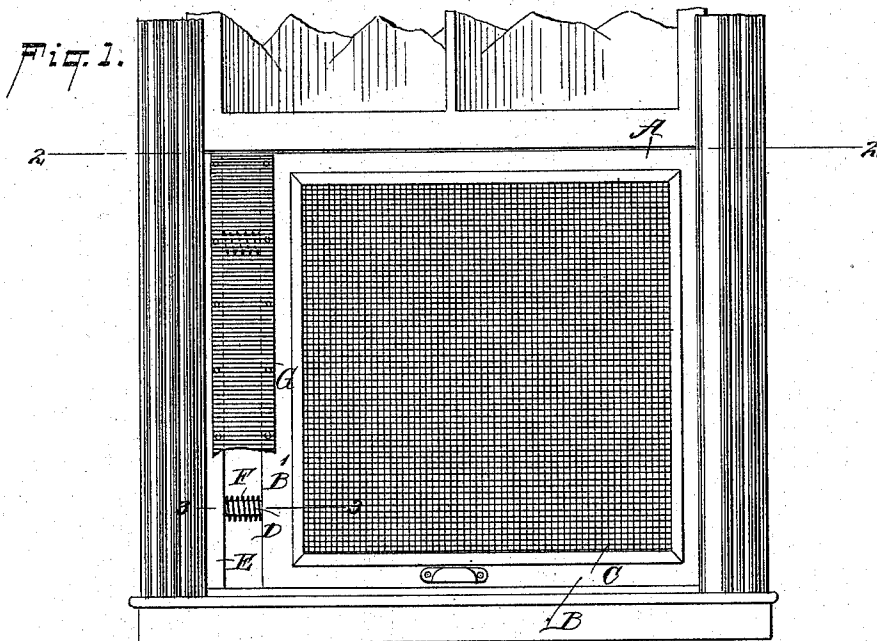


Fig. 2.

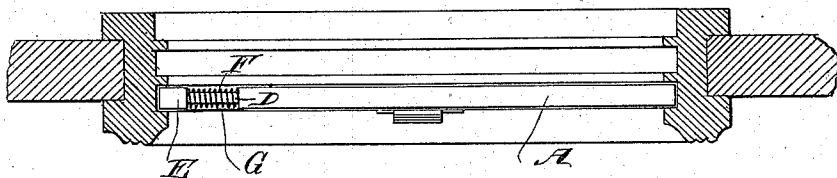
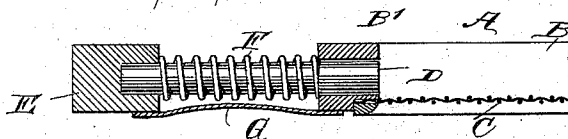


Fig. 3.



WITNESSES:

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JOHN G. SCHILL, OF JERSEY CITY, NEW JERSEY.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 530,353, dated December 4, 1894.

Application filed April 11, 1894. Serial No. 507,137. (No model.)

To all whom it may concern:-

Be it known that I, JOHN G. SCHILL, of Jersey City, in the county of Hudson and State of New Jersey, have invented new and useful
5 Improvements in Window-Screens, of which the following is a full, clear, and exact description.

The object of the invention is to provide certain new and useful improvements in window screens, whereby the window is rendered
10 perfectly insect-proof, and the screen snugly fits to the window casing, to permit of conveniently raising and lowering the screen.

The invention consists principally of a
15 spring-pressed auxiliary stile, and a fabric attached to the said auxiliary stile and the screen stile.

The invention also consists of certain parts and details, and combinations of the same, as
20 will be hereinafter fully described and pointed out in the claim.

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

Figure 1 is a face view of the improvement, with parts broken out. Fig. 2 is a sectional plan view of the same on the line 2—2 of Fig. 1; and Fig. 3 is an enlarged sectional plan
30 view of part of the improvement, on the line 3—3 of Fig. 1.

The improved window screen is provided with a screen proper A, having a rigid frame B containing the wire netting C, as plainly
35 shown in the drawings. In the stile B' of the frame B, are arranged apertures into which project the horizontally disposed pins D, secured or held in an auxiliary stile E adapted to travel in one side of the window casing, as
40 shown in Fig. 2, the outer stile of the screen frame B traveling in the other side of the said window casing.

On each of the pins D is coiled a spring F, resting with one end on the inner face of the
45 auxiliary stile E, and at its other end on the outer face of the stile B'. The spring presses the auxiliary stile E and the screen proper

A, apart, so that the entire screen fits snugly in the runs of the window casing to permit of conveniently raising and lowering the screen, 50 the latter accommodating itself to any unevenness in the sides of the window casing, and remaining stationary in any position left, to ventilate from either top or bottom of the screen. 55

The stiles E and B' are connected with each other by a fabric G, extending throughout the length of the stiles, and also passing over the ends thereof, so that an insect-tight connection or joint is made between the two 60 stiles, to cover up the space between the same, the fabric being sufficiently flexible or sufficiently loose to permit the stile E and screen A to move apart or toward each other as the case may be. 65

It will be seen that by the arrangement described, a perfect insect-proof screen is obtained, which fits snugly in the runs of the window frame and can hence be conveniently raised and lowered, and at the same time can 70 be readily fitted into window casings slightly differing in width. The device may also be used for an inside blind by making the frame solid, and in this case the frame may be draped with suitable material if desired. 75

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

A window screen provided at one edge with the auxiliary stile E, pins extending from the 80 stile E through apertures in the adjacent side of the screen frame, springs on the pins pressing the stile E outwardly, and a strip of flexible fabric G closing the open space between the screen and stile E, and permanently secured 85 at one edge to the said stile and at its other edge to the screen frame; whereby said strip will hold the auxiliary stile to the screen and will fold or unfold as the stile moves inward and outward, substantially as described. 90

JOHN G. SCHILL.

Witnesses:

THEO. G. HOSTER,
C. SEDGWICK.