

(No Model.)

G. W. HENRY.
WINDOW SCREEN.

No. 300,776.

Patented June 24, 1884.

Fig. 1.

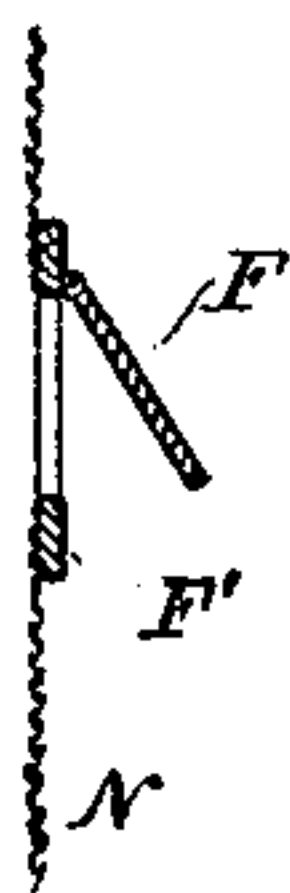
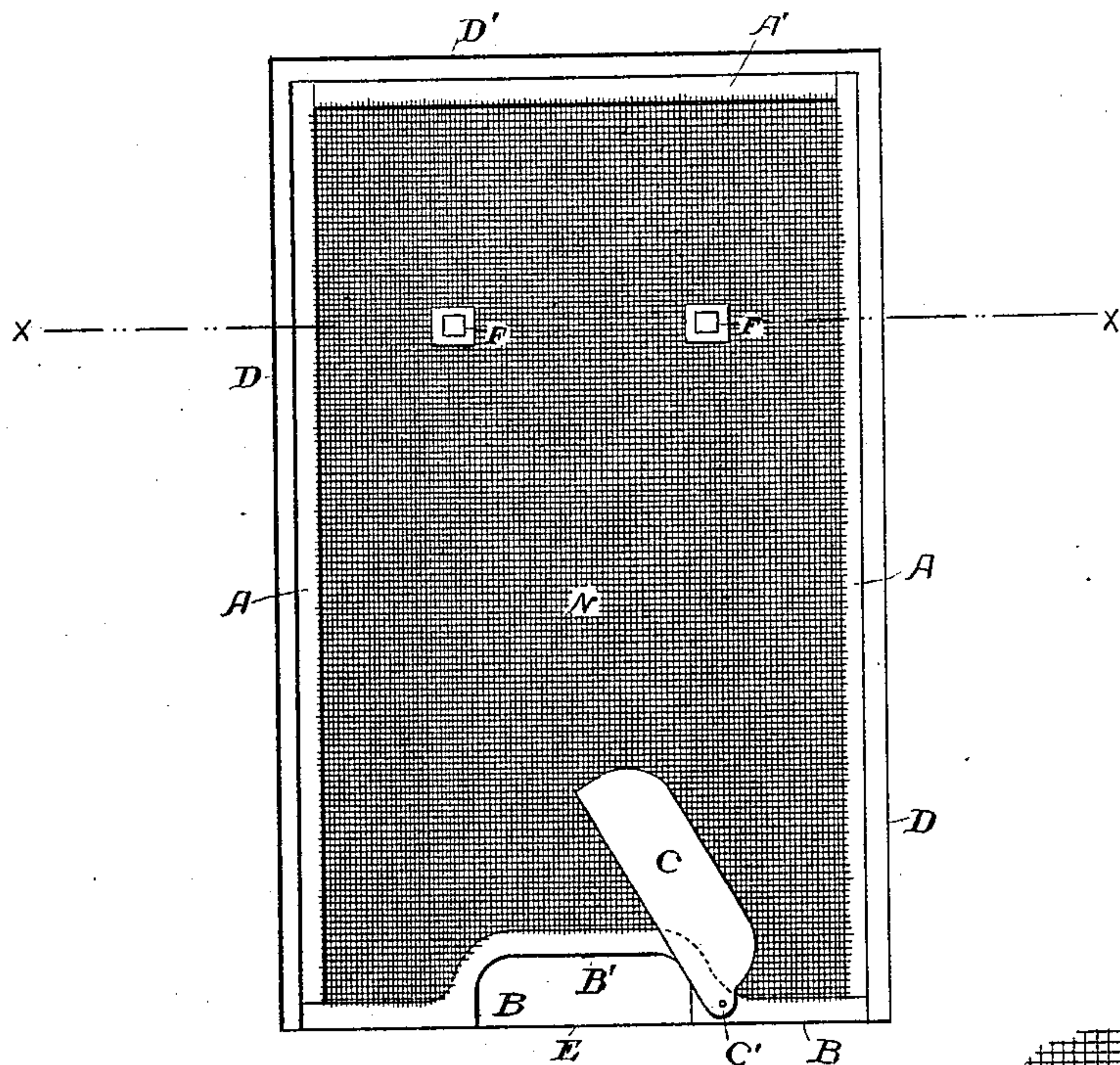


Fig. 3.

Fig. 4.

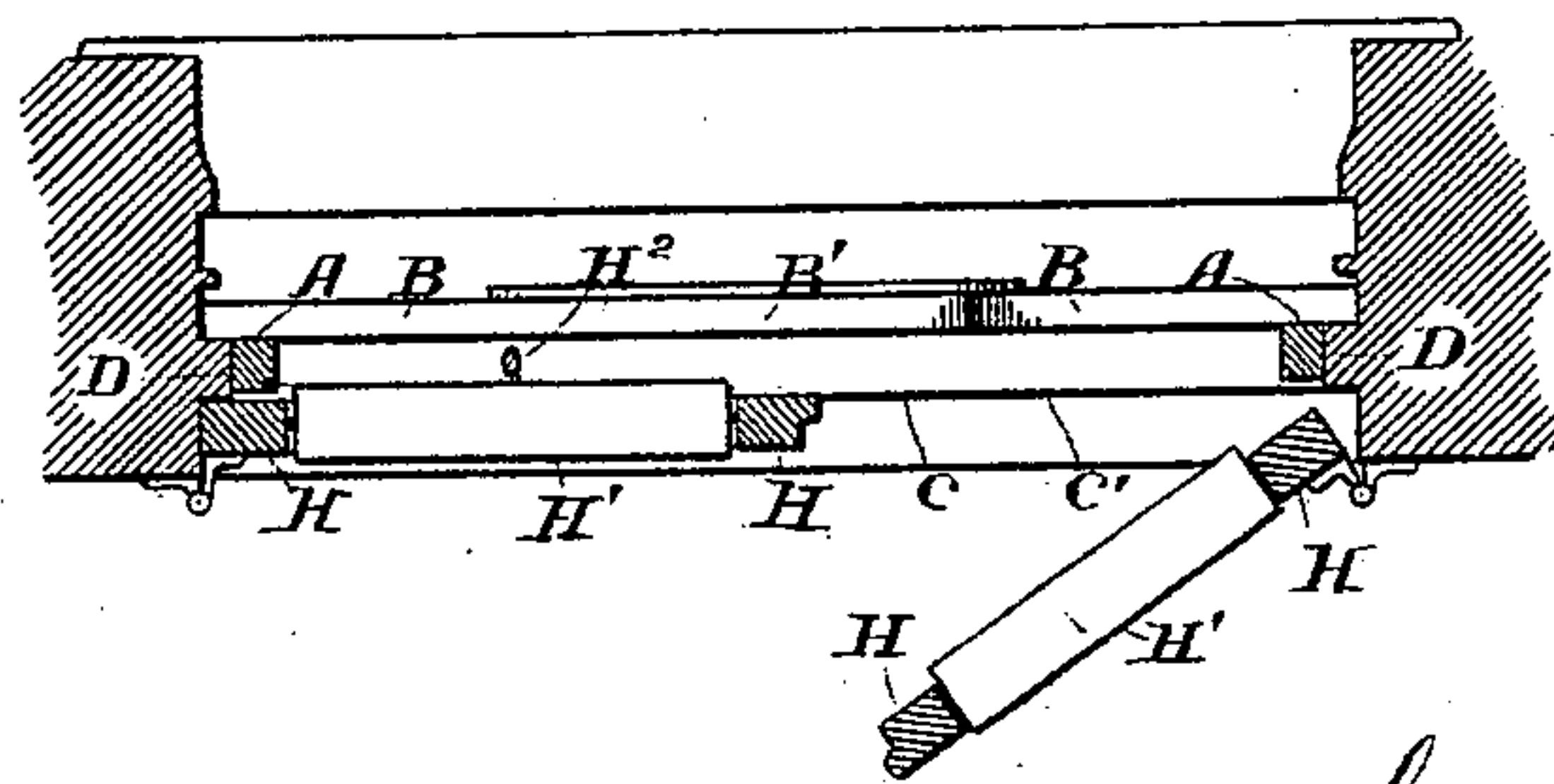
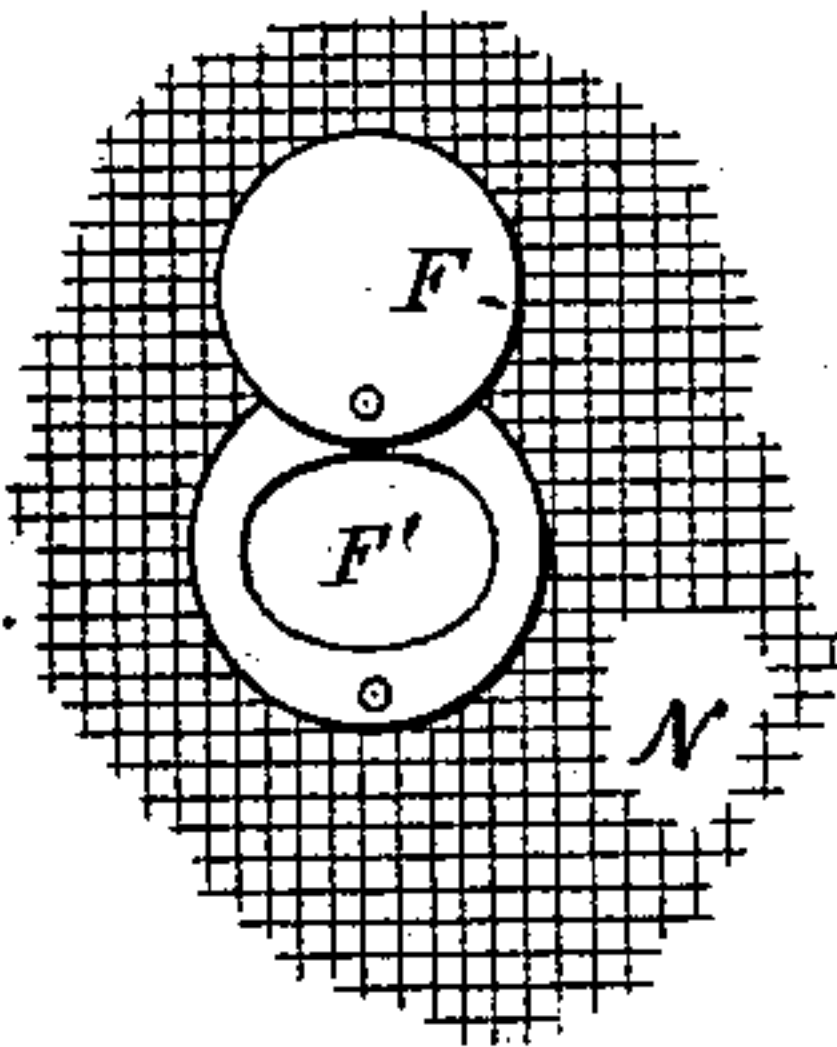


Fig. 2.

Witnessed,

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per Chas. B. Upham,
His atty.

UNITED STATES PATENT OFFICE.

GEORGE W. HENRY, OF WEST JERSEY, ILLINOIS.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 300,776, dated June 24, 1884.

Application filed August 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HENRY, of West Jersey, in the county of Stark, in the State of Illinois, have invented an Improved
5 Screen for Windows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference re-
10 fer to like parts, and in which—

Figure 1 represents an elevation of the screen from the interior of the room; Fig. 2, cross-section through *x x*; Fig. 3, detail; Fig. 4, different form for the same detail.

15 The object of this invention is the construction of a screen whereby the entire exterior of a window may be protected from flies and other insects, and yet the blinds be readily opened and closed, the slats also as easily operated, and both upper and lower window-sashes be totally unobstructed. These results I achieve by the following-described device:

My screen-frame consists of two side strips
25 running the entire height of the window and fastened to the facing sides of the blind-stops *D D*, of a strip, *A'*, fastened to the upper side of the upper blind-stop, *D'*, between the strips *A A*, and of a curved bottom strip fastened to the lower ends of said strips *A A*.
30 The strips *A A A'* are made thin enough to neither abut against the blinds nor to be scraped by the window-sashes while being raised and lowered. They are also narrow
35 enough not to interfere with the blind-slats *H'*.

The curved lower strip, *B*, is made as shown in Fig. 1, the center portion being elevated from a third to a half of the width of the window, and to a height of about four inches.
40 The object of the aperture thus formed is to allow the hand or arm to be inserted from the room therethrough, and open or close the blinds or adjust the lower slats. This bottom strip may be formed by sawing it into the
45 shape shown, or by sawing or bending the piece *B'* into the *U* shape desired, and fastening it to the two short strips *B B*.

The netting *N*, of wire or fibrous material, is tacked or otherwise secured to the side of
50 this screen-frame facing the sashes of the window. The central lower part of the netting is removed to leave the aperture thereat entirely unimpeded.

To prevent the entrance of insects through

the aperture beneath the bend *B'* of the strip
55 *B*, I pivot at *C'* a thin board or plate, *C*. When said plate *C* is down upon the sill *E*, the aperture thereat is entirely closed; but by raising the said plate up and backward till it rests against the side strip *A*, said aperture
60 is free to allow the insertion of the hands and arms therethrough.

The strip *B*, I usually make thin enough to give the plate *C* room between said strip *B* and the upper window-sash should the latter
65 be lowered to the window-sill.

To permit the adjustment of the slats at the upper part of the blinds, I have constructed two small swing-doors, *F F*, one in front of each slat-rod *H''*, and at a convenient height.
70 These consist of a frame, *F'*, riveted or otherwise secured to the netting *N*, and having a small door, *F*, hinged over the opening in each frame. These openings are of a sufficient size to permit the introduction through
75 them of one or two fingers by which to move the slat-rods *H''*. In Fig. 4 is shown a circular frame, *F'*, having a disk, *F*, pivoted to the upper side of the said frame. In this form the disk-door *F* is moved to one side to
80 make room for the fingers, while in the other form the door *F* is swung toward or from the person. The plate *C* may be of cloth or netting hung from *B'*.

What I claim as my invention, and for which
85 I desire Letters Patent, is as follows, to wit:

1. In combination with the netting *N*, having small frame-protected openings therethrough and doors *F F*, the frame strips *A A A'*, the centrally upwardly curved bar *B*, and
90 plate *C*, pivoted at one end thereto, substantially as and for the purpose specified.

2. As a means whereby the upper slats of a blind may be adjusted without permitting the entrance of objectionable insects, a netting, *N*,
95 having two small openings therethrough, in combination with the frames *F' F'*, fastened to said netting about said openings, and having doors *F F*, substantially as and for the purpose set forth.

In testimony that I claim the foregoing invention I have hereunto set my hand this 10th day of August, 1883.

GEORGE W. HENRY.

Witnesses:

T. P. HENRY,

ALICE R. HENRY.