

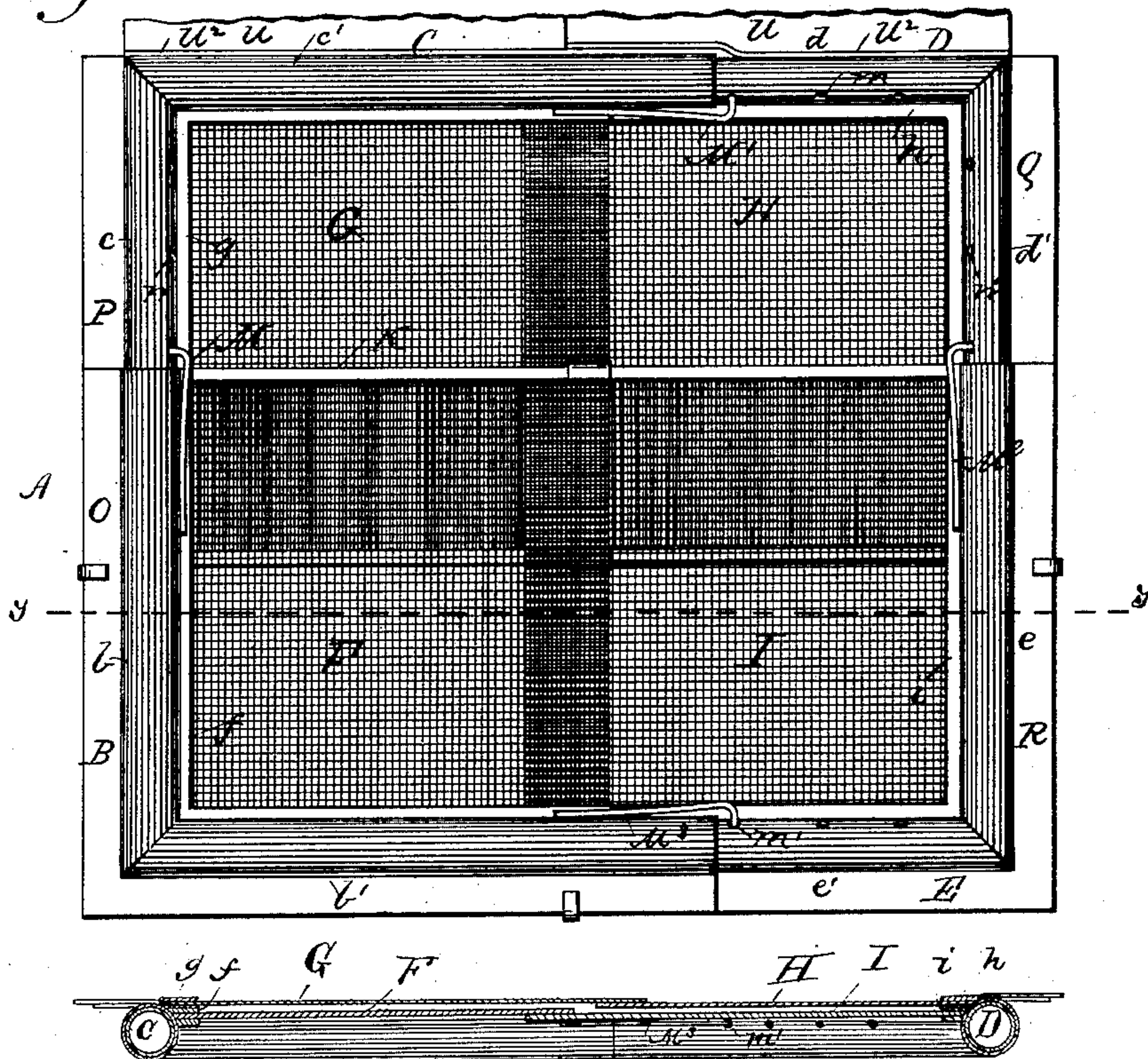
(No Model.)

T. SKINNER.  
ADJUSTABLE WINDOW SCREEN.

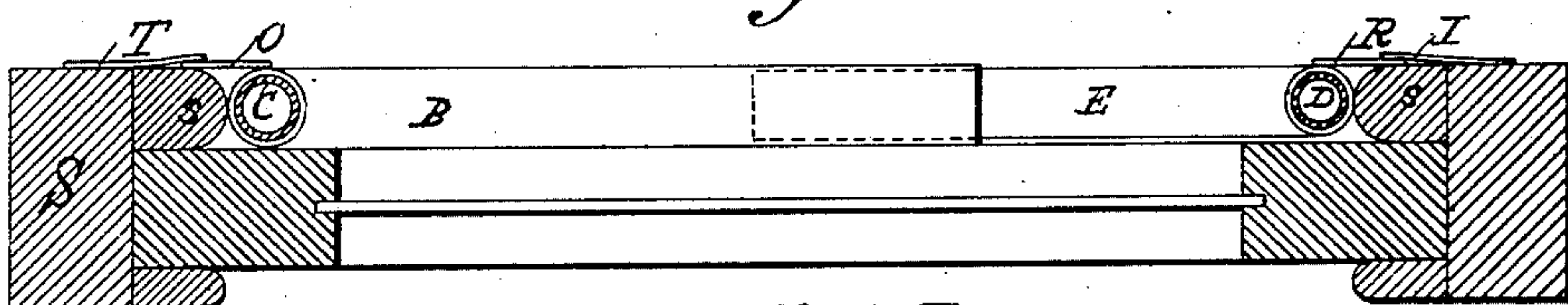
No. 353,171.

Patented Nov. 23, 1886.

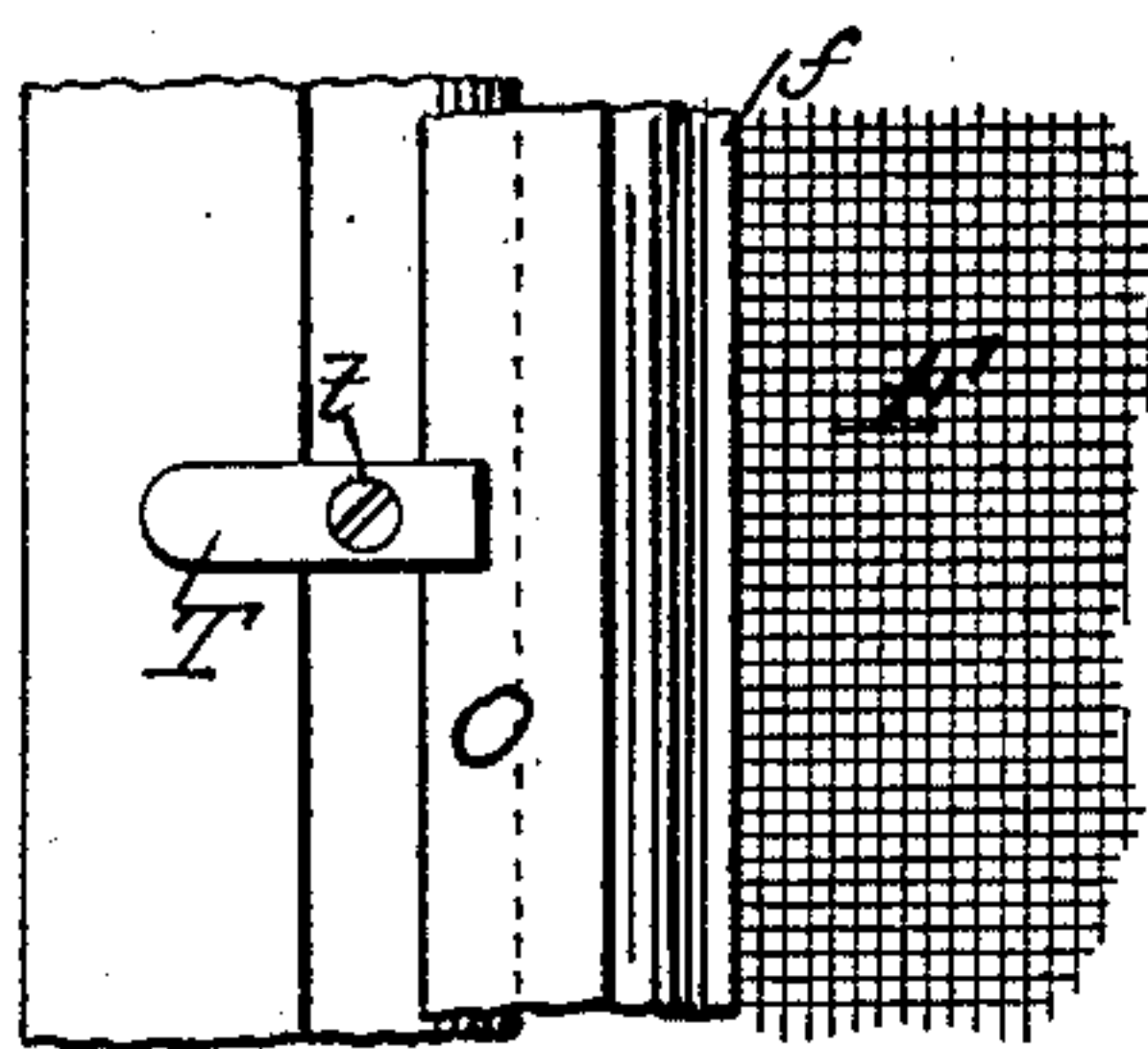
*Fig. 1.*



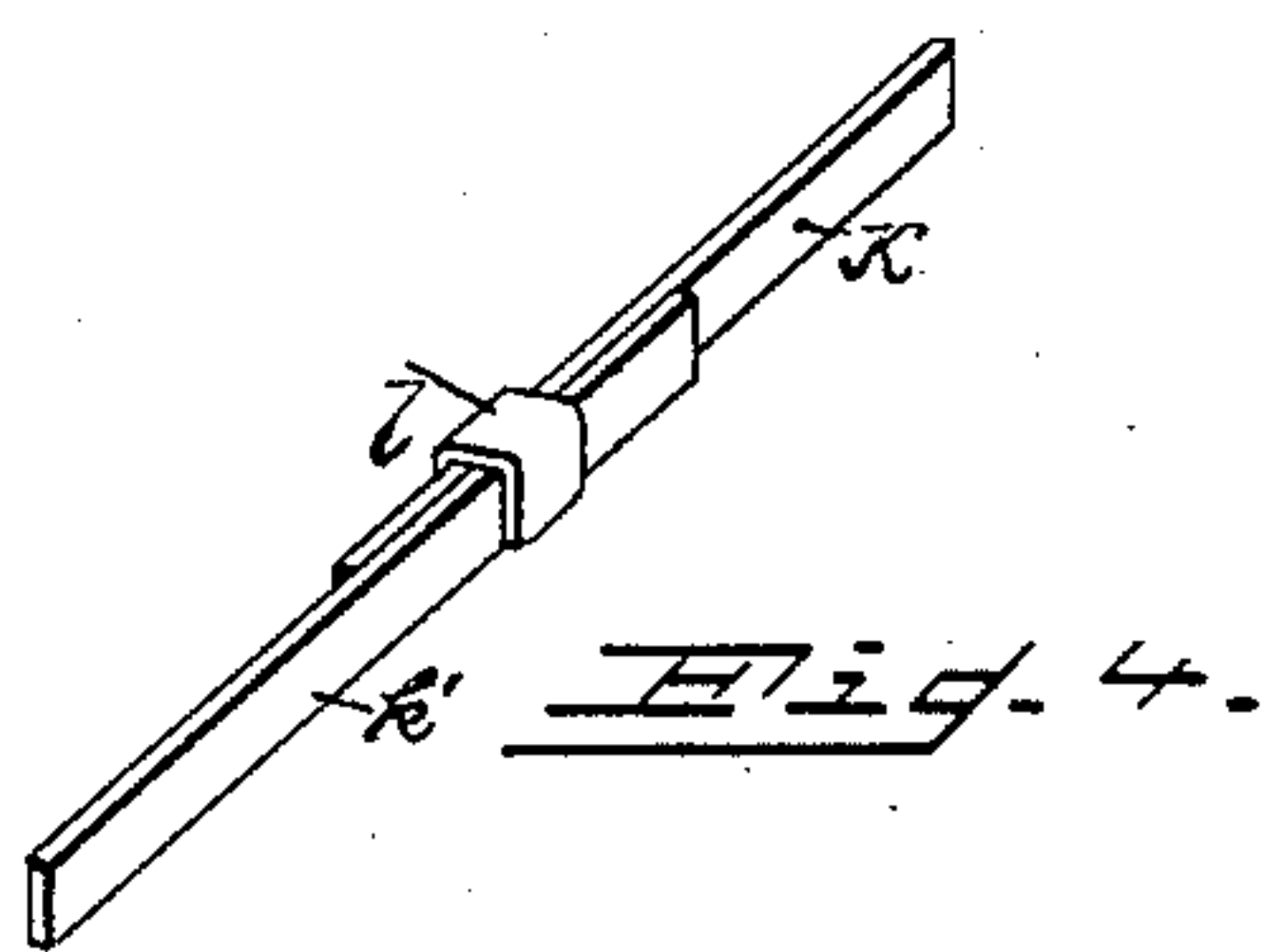
*Fig. 5.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

WITNESSES  
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# UNITED STATES PATENT OFFICE.

TABER SKINNER, OF PHILADELPHIA, PENNSYLVANIA.

## ADJUSTABLE WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 353,171, dated November 23, 1936.

Application filed February 26, 1886. Serial No. 193,368. (No model.)

*To all whom it may concern:*

Be it known that I, TABER SKINNER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Window-Screens; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a front elevation of my improved adjustable window-screen. Fig. 2 is a horizontal transverse section thereof in place in a window-frame. Fig. 3 is an enlarged detail section showing devices for fastening the screen in position in a window-frame. Fig. 4 is a perspective, enlarged, of a detail illustrating a device for holding the unattached edges of the wire of the screens and guiding them on one another. Fig. 5 is a transverse sectional view on line *yy* of Fig. 1.

My invention has for its object to provide a window-screen which shall be adjustable in two directions—that is, both vertically and horizontally or laterally—in order to vary its height as well as its width.

My invention has for its further object to provide means whereby an adjustable window-screen may be locked or fastened in any adjusted position.

My invention has for its further object to provide means whereby a window-screen may be fastened in a window-frame independently of the molding strips or beads which have heretofore been the medium for fastening or holding the screen-frame in place.

My improvements consist in the peculiar construction and combinations of parts hereinafter fully described and claimed.

Referring to the accompanying drawings, A represents the frame of the screen, which comprises four separate pieces or sections, B, C, D, and E, respectively. Each of said pieces or sections is in the form of an L, and they are tubular, so that they will slide telescopically on one another. The said sections are arranged as shown in the drawings, the leg *c* of section C sliding into the leg *b* of section B, the leg *b'* of the latter receiving the leg *c'* of the section E. The leg *d* of section D enters the leg *c'* of section C,

and the leg *d'* of said section D enters the leg *e* of section E. By means of this arrangement the frame can be adjusted or extended and contracted in both directions—that is, vertically and horizontally.

Each of the sections B, C, D, and E has attached to it a rectangular piece of wire-netting, the pieces being marked F, G, H, and I, respectively. The edges of these pieces adjacent to the frame-sections are secured to the latter by soldering or by being fastened in flanges or plates *f*, *g*, *h*, and *i*, secured to said frame-sections. The other two edges of each of the screens are unsecured to the frame-sections, so that they may freely slip past one another. To preserve the free edges of the netting in proper position, one of such edges of each piece of the netting has a metallic binding-strip, K, secured to it, and two of these strips have clips or lugs *l*, which are bent over or receive the other two bound edges, *l'*, the hooks or clips *l* forming guides, as well as retaining devices.

M M' M<sup>2</sup> M<sup>3</sup> represent hooks or latches, there being one such for each of the sections of the screen-frame. These hooks are fastened at one end to their respective sections, their free or hooked ends being adapted to enter the adjusting-holes *m m'*, formed in said sections—that is, a hook attached to one section enters the openings in the leg of the other section which slides into it, these spring hooks or latches forming fastening devices for retaining the screen in any adjusted position.

The frame-pieces B C D E are each provided with flanges O, P, Q, and R, which are strips of metal fastened to one side of the frames and projecting laterally beyond the latter, so that when the screen is inserted in a window-frame, S, the said strips or flanges will lap over the molding strips or beads *s* of such window-frame.

To hold the screen in position in the window-frame, I employ clips in the form of small metallic plates T, fastened to the window-frame by screws *t*, and projecting over or lapping on the flanges O P Q R of the window-screen.

To make a tight joint at the top of the frame or where it comes in contact with the "mutton" of the window-sash, I provide the screen at the top with weather-strips U U, which are



strips of rubber or equivalent material fastened in flange-strips U' U<sup>2</sup>, secured to the upper sections of the screen, and adapted to slide past one another when the latter is adjusted.

5 The frame-pieces of the window-screen are preferably metallic, but any other material suitable for the purpose may be employed.

What I claim as my invention is—

10 1. An adjustable window-screen composed of telescopic or sliding sections, each section being L-shaped and having a rectangular piece of netting secured thereto by two edges, substantially as shown and described.

15 2. An adjustable window-screen having sliding sections, each section having a piece of netting secured thereto, the unattached edges being bound, and having a holding and guiding clip, substantially as shown and described.

3. The combination, with a sectional ad-

justable window-screen frame, of external sectional flanges or strips adapted and designed to overlap the molding strip or bead of a window-frame and to slide past each other when said screen-frame is adjusted, substantially as shown and described. 20

4. The combination, with a sectional adjustable window-screen, of sectional weather-strips attached to the screen-sections and adapted and designed to slide on each other when the screen is adjusted horizontally, substantially as shown and described. 25 30

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of February, A. D. 1886.

TABER SKINNER.

Witnesses:

WILL H. POWELL,  
R. DALE SPARHAWK.