

E. CARLSON.
ADJUSTABLE WINDOW SCREEN.
APPLICATION FILED JUNE 6, 1912.

1,052,314.

Patented Feb. 4, 1913.

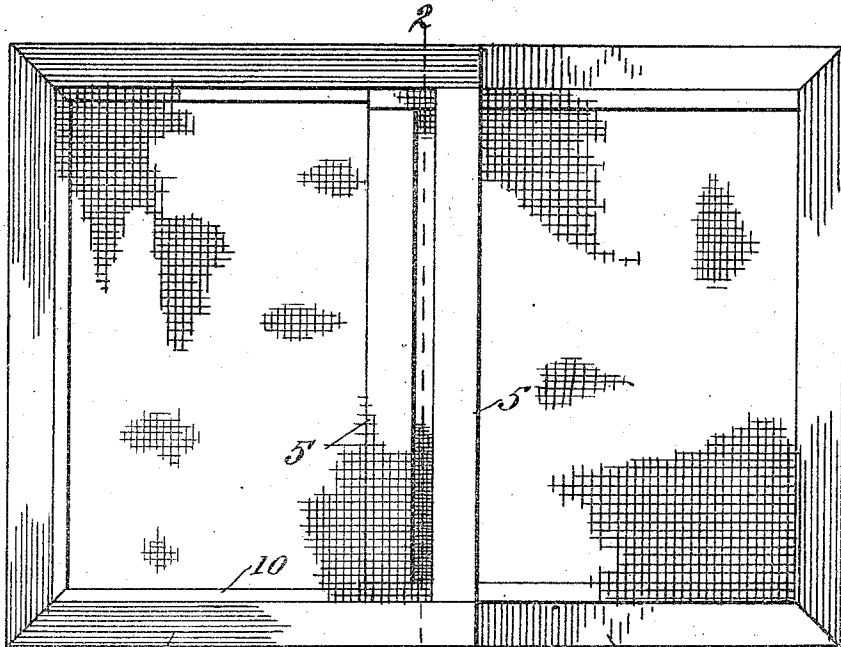


Fig. 1.

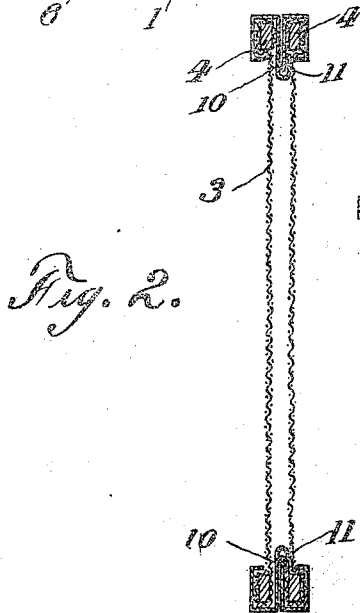


Fig. 2.



Fig. 5.



Fig. 3.

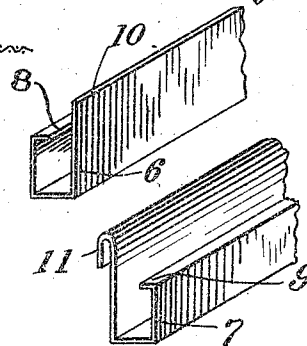


Fig. 4.

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Witnesses

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UNITED STATES PATENT OFFICE.

EDWARD CARLSON, OF JAMESTOWN, NEW YORK.

ADJUSTABLE WINDOW-SCREEN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD CARLSON, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Adjustable Window-Screens, of which the following is a specification.

My invention relates to window screens of the adjustable type and has for its object the provision of an improved means for holding the screen fabric on the frame, and also an improved construction of the slidable portions of the screen.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings, in which,

Figure 1 is a view in elevation of my improved adjustable screen shown in an extended position; Fig. 2, a cross section on the line 2—2 of Fig. 1; Figs. 3 and 4, fragmental views of the casing of the two parts of the screen; and Fig. 5, a cross section of the meeting rail of one of the sections.

In the drawings similar reference characters will be used to designate corresponding parts throughout the several views.

My improved adjustable screen relates to the well known extensible screen comprising two sections slidably engaging one another and consists essentially in constructing said sections of metal, and in the drawings the two sections are indicated at 1 and 2. Each of the sections 1 and 2 is provided with rectangular frames on which are mounted the screen fabric 3, said frames having three of their sides formed of bars 4 around which the screen fabric 3 is secured, while the remaining side of the frame consists of a sheet of metal indicated at 5 inclosing the edge of the screen fabric 3, and as shown in Fig. 5, formed in a three-fold to securely clamp said edge.

Mounted on the bars 4 are plates shown in Figs. 3 and 4 and indicated at 6 and 7 respectively, said plates being bent to inclose said frame bars 4 on three sides, and having one of the edges of the plates provided with an inturned lip designated 8 and 9 on the two plates 6 and 7 respectively, to securely clamp the screen fabric on the frame. The other edges of the plates 6 on the upper and lower rails of the section 1,

are extended on a plane substantially parallel with the screen fabric 3, as shown at 10 and forms one member of the sliding element of the screen sections, while the corresponding edges of the plates 7 on said upper and lower section 2, are bent back on themselves as shown at 11 to engage the portions 10 of the plates 6.

By this construction, it will be apparent that the plates 6 and 7 used for clamping the screen fabric on the screen frames performs the double function of holding the screen fabric in place on the frame and also forming the sliding members for the screen.

Having thus described my invention, what I claim is:—

1. In an adjustable window screen, 70 frames, screen fabric mounted on said frames, plates inclosing said frames and clamping the edges of the screen fabric thereon, the plates on the upper and lower rails of one section having one of their edges extended substantially parallel with the screen fabric on the corresponding frame, and the corresponding edge of the plates on the upper and lower rails of the other section having their edges bent back on themselves to slidably engage the extended edge of the plates on the first mentioned section.

2. An adjustable window screen comprising frames, sheets of screen fabric mounted on said frames, plates mounted on said frames and inclosing the edges of the screen fabric and the frames, one of the edges of said plates having an inturned flange engaging said screen fabric, the plates on the upper and lower rails of one of said sections having its edge farthest removed from the flanged portion extended on a plane substantially parallel to the screen fabric on the frame, the plates on the upper and lower rails of the other frame having the edges farthest removed from the flanges thereon bent back on themselves and slidably engaging the corresponding edges of the plates on the first mentioned frame.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD CARLSON.

Witnesses:

ERICK SWORD,
OLOF A. OLSON.