

C. ROCHON.
WINDOW SCREEN.
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1,066,420.

Patented July 1, 1913.

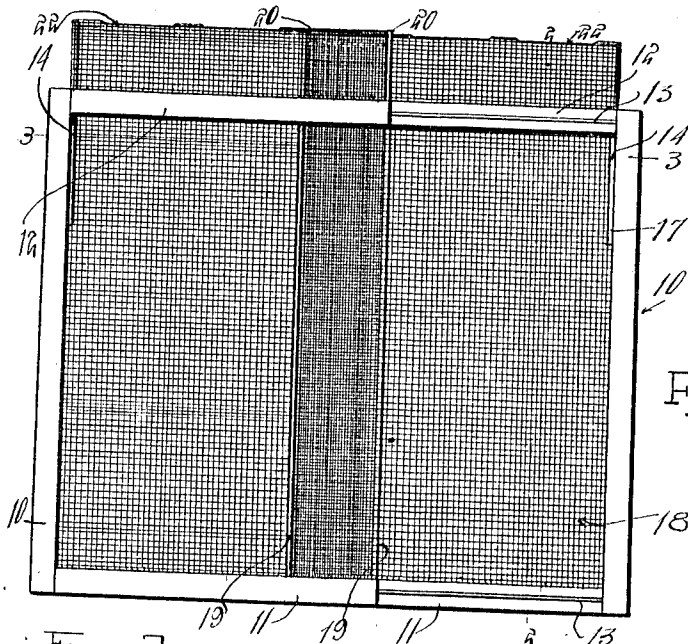


Fig. 1.

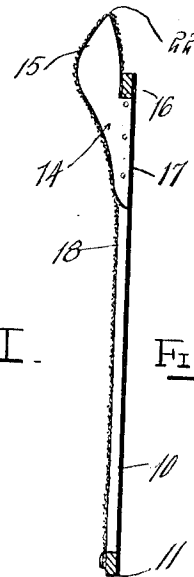


Fig. 2.

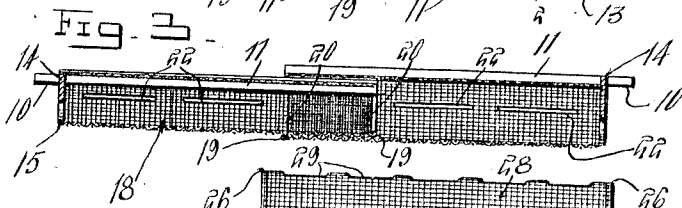


Fig. 3.

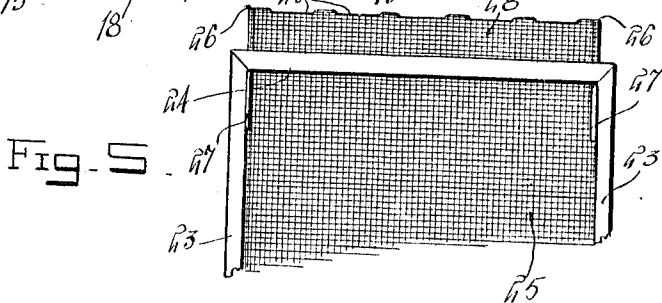


Fig. 4.

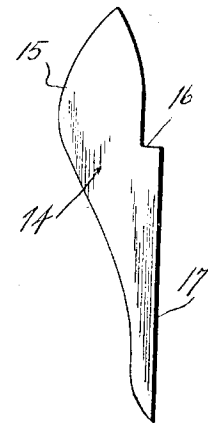
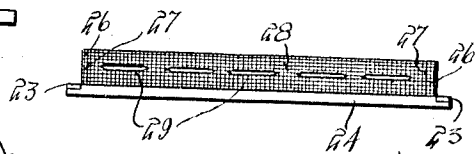


Fig. 5.

Fig. 6.



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UNITED STATES PATENT OFFICE.

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WINDOW-SCREEN.

1,066,420.

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To all whom it may concern:

Be it known that I, CHARLES ROCHON, a citizen of the United States, residing at Fall River, in the county of Bristol, State of Massachusetts, have invented certain new and useful Improvements in Window-Screens; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to window screens and has for its object to provide a window screen of novel construction and having exit openings in its curved upper edge through which the flies may readily escape.

Another object is to provide a screen formed of a frame with curved members secured to the upper corners thereof, and a screen proper secured over the frame and around the curved members at the upper corners thereof.

Another object is to provide a window screen of this character which may be readily adjusted and applied to various sized windows.

With the above and other objects in view my invention will be more fully illustrated in the accompanying drawings which show a preferred embodiment of my device and then specifically pointed out in the claim which is attached to and forms a part of this application.

In the drawings: Figure 1 is a plan view of the complete device. Fig. 2 is a sectional view on the line 2—2 of Fig. 1. Fig. 3 is a cross sectional view on the line 3—3 of Fig. 1. Fig. 4 is a detail view of one of the corner pieces at the upper corners of the device. Fig. 5 is a view similar to Fig. 1, showing a modified form of the device. Fig. 6 is a top plan view of the form shown in Fig. 5.

Referring more specifically to the drawings in which similar reference numerals designate corresponding parts throughout, 10 designates the vertical strip and 11 and 12 the lower and upper strips respectively of each section of the frame, said strips being connected in the usual manner and the upper and lower strips 11 and 12 respectively sliding upon one another and connected by the usual tongue and groove 13, as will be clearly apparent. Secured to the inner vertical edge of each strip 10, at the upper end thereof, is the corner member 14

having a reversely curved upper face 15 and provided with a recess 16 in its lower edge and at the upper end thereof to permit said upper end to engage over the upper strip 12, thus permitting the under face 17 of the member 14 to be flush with the under face of the vertical strip 10 to which said member 14 is secured.

Secured to the frame and corner pieces, as will be presently and fully described, is the screen proper 18 formed of suitable foraminous material such as wire mesh. The material 18 is secured along its lower edge to the lower strip 11 and along its inner vertical edge to the vertical metallic strip 19 which has its lower edge secured to the lower strip 11 near the inner end thereof while its upper end is curved to correspond with the upper curved portion of the corner member 14 and then secured to the upper strip 12. The upper curved portion of the metallic strip 19 is indicated by the numeral 20 and it will be understood that the inner edge of the wire for each section of the screen is secured to the metallic strip 19 in the usual or any well known preferred manner.

The vertical outer edge of each screen proper 18 is secured to the vertical strip 10 and to the upper face of the corner member 14, the screen being secured along the outer edge or upper vertical edge of said member and around the upper rounded point 21 thereof and finally between the member 14 and the upper strip 12. The upper edge of the screen proper 18 is then secured along the upper strip 12 to the upper end of the vertical metallic strip 19.

The turned portion of the screen proper 18, between the member 14 and the turned upper end 20 of the metallic strip 19 is provided with a suitable number of elongated openings 22 opening outwardly to permit the exit of flies. I have shown each section of the screen as having two openings 22 in each screen proper 18 but it will be understood that any suitable number of openings will be provided and may be spaced at any suitable distances apart.

In Figs. 5 and 6 I have shown a modified form of the device, comprising a frame formed of the connected vertical and horizontal strips 23 and 24 respectively over which the wire mesh 25 is secured, it being understood that the upper portions of the

vertical edges of said wire mesh, forming the screen proper, are also secured over the outer vertical edges 26 of the corner members 27. The corner members 27 are formed
5 similar to the corner members 14, having the lower edge thereof cut away at the upper end of said member to accommodate the upper horizontal strip 24. The curved portion or turned portion 28 of the wire mesh
10 25 is provided with a plurality of elongated openings 29, through which the flies may readily make their escape. As the openings for the escape of the flies taper outwardly and are rough around the edges, it will be
15 impossible for the flies to enter the room through these openings as the wires along the edge of said openings will prevent them from entering the openings from the other side of the screen as will be clearly understood.
20

From the foregoing it will be evident that I have provided a window screen of improved form and construction which may be readily and cheaply manufactured and
25 which will be highly efficient in use.

It will of course be evident that minor

changes in the details of construction may be made if desired without in the slightest degree departing from the spirit of my invention.

What I claim is:—

A window screen including a frame, a pair of spaced corner plates having notches in the rear edges embracing the front and bottom edges of the top rail of said frame, 35 said plates extending in planes perpendicular to the plane of said frame, said plates further having curved upper portions disposed above said top rail, and a screen element stretched over said frame and said 40 plate with the resultant formation of an elongated screen compartment above said top rail, and exit openings formed at intervals in the uppermost points of said compartment.
45

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

CHARLES ROCHON.

Witnesses:

FELIX FOREST,
GANDIOSE L. DUHAIME.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."