

May 7, 1929.

J. M. FISHER

1,712,341

WINDOW SCREEN FOR AUTOMOBILES

Filed June 11, 1927.

2 Sheets-Sheet 1

Fig. 1.

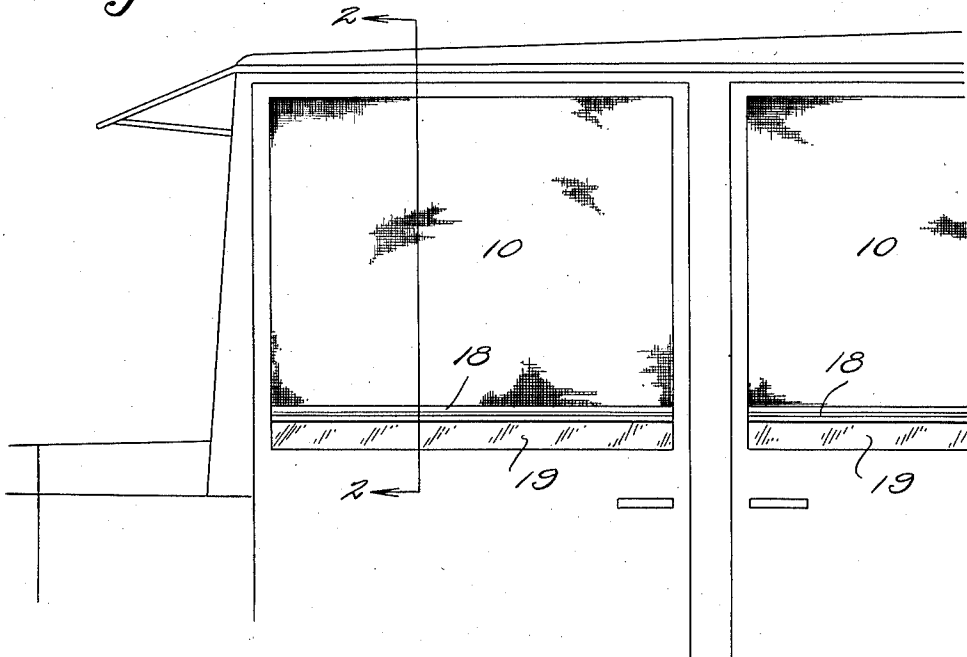
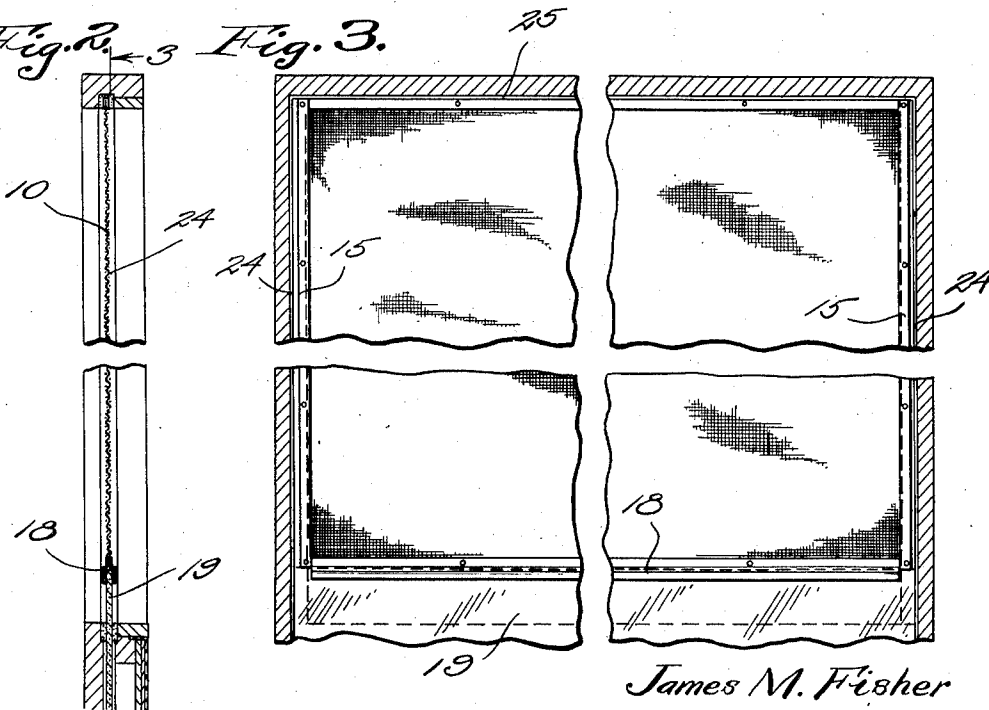


Fig. 2. Fig. 3.



WITNESS:

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Fig. 4.

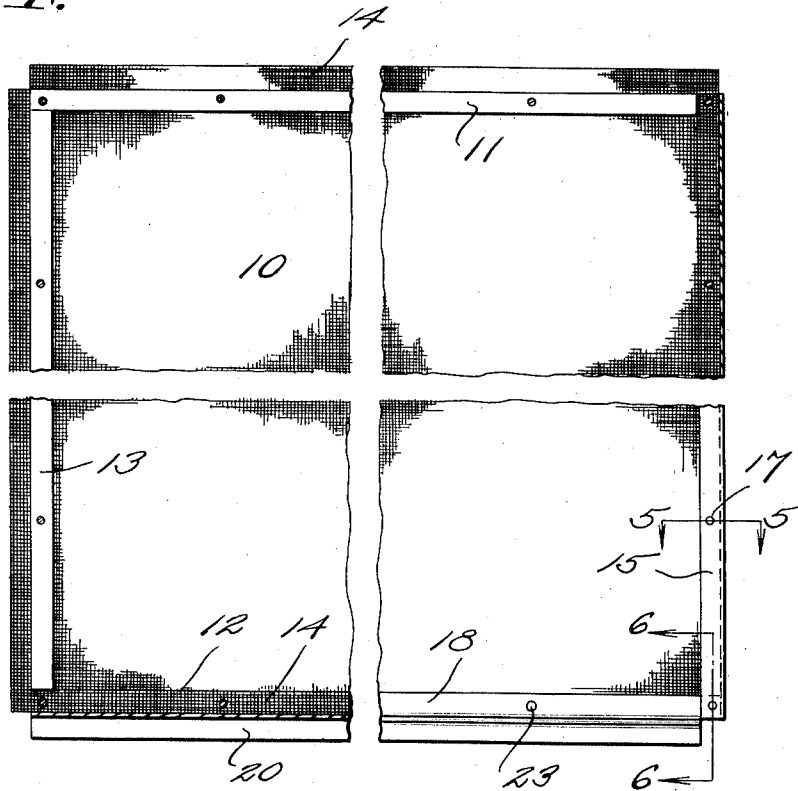


Fig. 5.

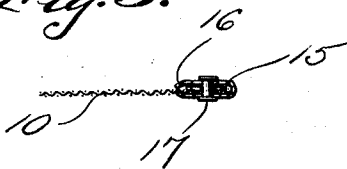


Fig. 7.

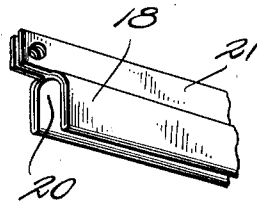
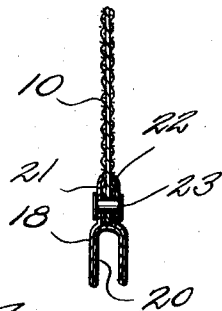


Fig. 6.



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WITNESS:

UNITED STATES PATENT OFFICE.

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WINDOW SCREEN FOR AUTOMOBILES.

Application filed June 11, 1927. Serial No. 198,127.

This invention relates to improvements in window screen construction and has for an object the provision of a screen which is especially adapted for use in automobile windows.

Another object of the invention is the provision of a screen which includes novel means for securing the screen fabric within a frame, the latter also being of novel construction, whereby a light, rigid screen frame is provided, which may be conveniently positioned within or removed from a window.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a view illustrating the invention in use.

Figure 2 is an enlarged section on the line 2—2 of Figure 1.

Figure 3 is a section taken substantially on the line 3—3 of Figure 1.

Figure 4 is an elevation partly in section illustrating the manner in which the stiffening strips are arranged and the frame secured to the screen fabric.

Figure 5 is an enlarged section on the line 5—5 of Figure 4.

Figure 6 is a like view on the line 6—6 of Figure 4.

Figure 7 is a fragmentary perspective view showing a portion of the bottom member of the frame.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the screen is shown as comprising a sheet of screen fabric indicated at 10. This fabric has secured along its top, bottom and sides, stiffening strips 11, 12 and 13 respectively. These strips are secured to the screen fabric spaced slightly inward from the edges of the latter so that the outer edges 14 of the screen fabric may be bent over upon the strips. Any suitable means may be employed for securing the strips to the fabric, either by soldering, or by means of suitable fastening devices.

Secured over the stiffening strips and the edges 14 of the fabric, along the top and sides of the screen are transversely channel-shaped strips 15. The inner edges of the

channel-shaped strips 15 are crimped or bent inward as at 16 so as to enclose the stiffening strips and the adjacent portions of the screen fabric so as to securely hold the strips 15 in place. As before stated, if desired, suitable fastening devices 17 may be employed.

Secured to the bottom edge of the screen is a member 18 which is designed to receive the upper edge of the window glass 19. This member 18 is bent substantially centrally to form a U-shaped glass receiving member 20 and the material is bent upon itself along each edge of the channel-shaped member and extended over said member with the edges of the material arranged to provide spaced attaching strips 21. The strips 21 receive between them the lower stiffening strip 12 and the screen fabric which is folded over this strip, and the edges of the strip 21 are bent inward as shown at 22 to hold the glass receiving member 18 in position. If desired, fastening devices 23 may also be employed for this purpose.

The width of the screen is slightly less than the width of the window including the depth of the grooves 24 which receive the window glass 19, and in positioning the screen, one side edge of the screen is inserted in one of the grooves 24 and the upper edge of the screen inserted in the upper groove 25 which is provided for the upper edge of the glass when the window is closed. The screen is then slid transversely until the other side edge engages within the other groove 24, whereupon, the window glass is raised a sufficient distance to permit its upper edge to enter the U-shaped member 20 previously described. The member 20 terminates short of each end of the strips 21 so as to permit these strips to enter the side grooves 24.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claim.

Having described the invention what is claimed is:—

A window screen for automobiles comprising a sheet of fabric, a strip of stiffening material secured thereto slightly spaced from the front, bottom and sides of the fabric with its edges turned over on the

strip, transversely U-shaped strips of material secured along the top and the sides of the screen to stiffen and afford a smooth surface, a U-shaped member in the bottom of
5 the screen formed of sheet metal having a U-shaped groove in the bottom and spaced extensions on the top to embrace the screen bottom, the edges of said screen overlapping the window frame to afford a tight fit with the window and rendering it insect proof. 10

In testimony whereof I affix my signature.

JAMES M. FISHER.