

April 6, 1926.

1,579,583

O. F. WALLEN

SCREEN FOR AUTOMOBILES

Filed Sept. 8, 1925

2 Sheets-Sheet 1

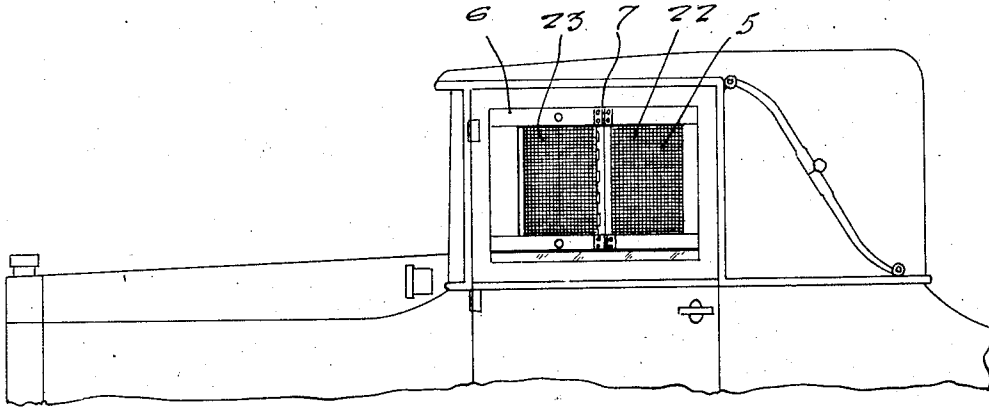


Fig. 1.

Fig. 4.

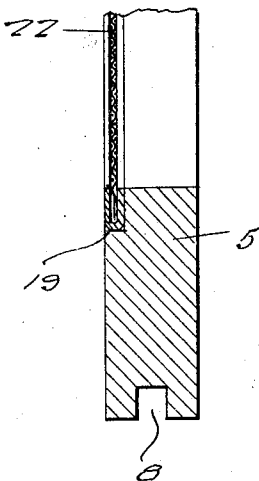


Fig. 5.

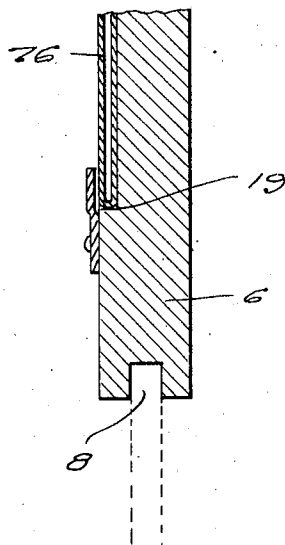
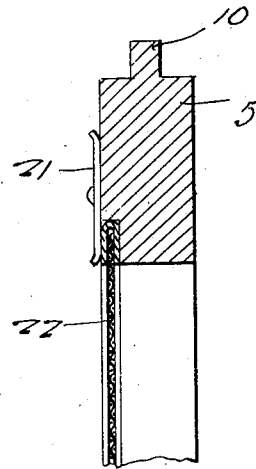


Fig. 7.



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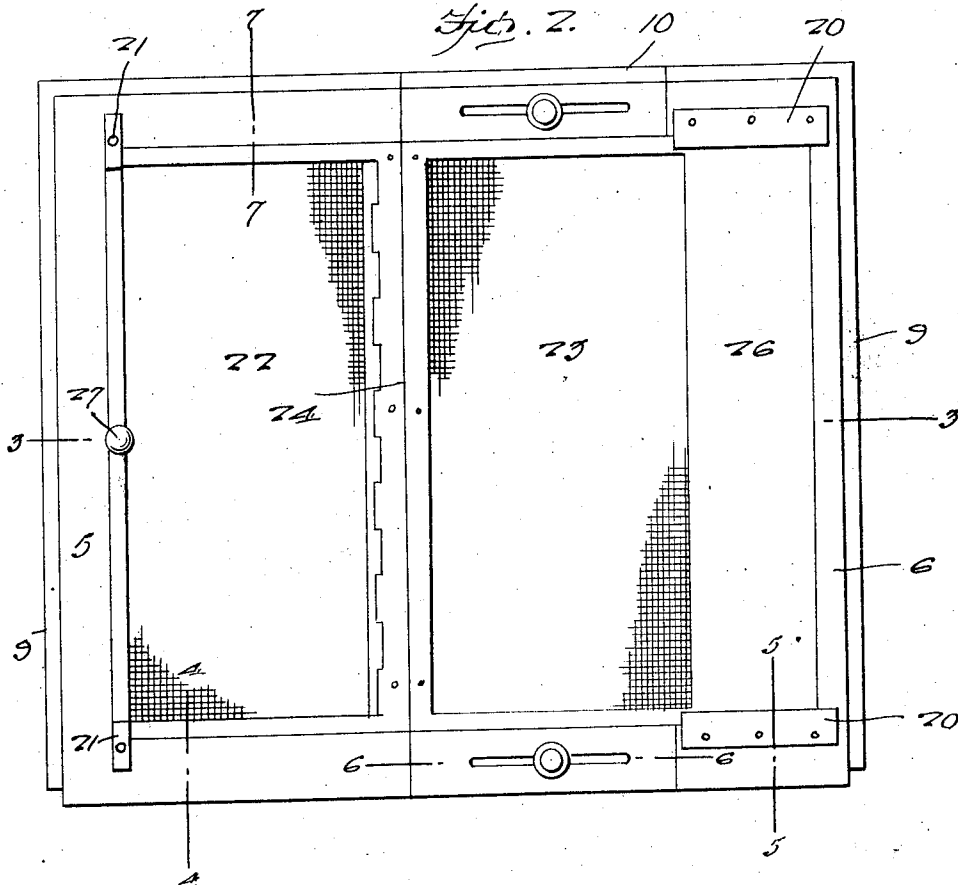
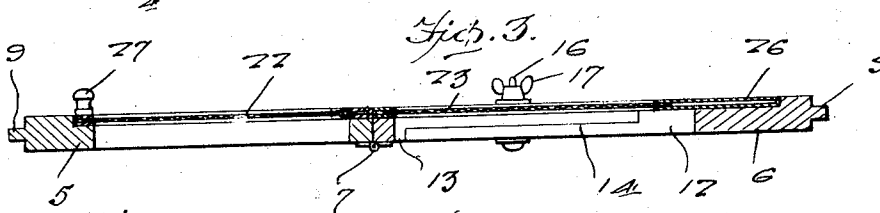
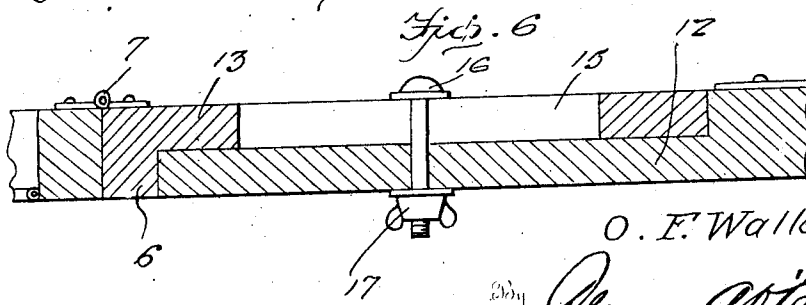
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

OLIVER F. WALLEN, OF ANA CONDA, MONTANA.

SCREEN FOR AUTOMOBILES.

Application filed September 8, 1925. Serial No. 55,010.

To all whom it may concern:

Be it known that I, OLIVER F. WALLEN, a citizen of the United States, residing at Anaconda, in the county of Deerlodge and State of Montana, have invented certain new and useful Improvements in a Screen for Automobiles, of which the following is a specification.

The present invention relates to screens for the bodies of the closed type such as are used on automobiles and other vehicles, and has for its principal object to provide a screen which may be quickly and easily installed, for instance, in the opening of the door which has a raisable glass panel therein.

Another important object of the invention is to provide a screen of this nature which is adjustable so as to fit different size openings in doors and the like.

Another important object of the invention is to provide a screen structure of this nature including a frame having hinged sections and a pair of hinged screen panels removably mounted therein.

A still further important object of the invention is to provide a screen structure of this nature which is exceedingly simple, strong, durable, one which is thoroughly efficient and reliable in use, easy to manipulate, attractive in appearance, and otherwise well adapted to the purpose for which it is designed.

With the above and other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction; and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:—

Figure 1 is a fragmentary side elevation of an automobile showing one of my screen structures mounted in the door thereof.

Figure 2 is an inside elevation of the screen structure.

Figure 3 is a horizontal longitudinal section taken substantially on the line 3—3 of Figure 2.

Figure 4 is an enlarged detail section taken substantially on the line 4—4 of Figure 2.

Figure 5 is another enlarged detail section taken substantially on the line 5—5 of Figure 2.

Figure 6 is another detailed section taken substantially on line 6—6 of Figure 2, and

Figure 7 is a still further enlarged detail section taken substantially on the line 7—7 of Figure 2.

Referring to the drawing in detail it will be seen that the frame is formed in two rectangular sections 5 and 6, the adjacent sides of which are hinged together on their outer face as is indicated at 7. The lower rails of the sections 5 and 6 are provided on their bottom edges with longitudinally extending grooves 8. The outer side rails of the sections 5 and 6 are provided with longitudinally extending tenons 9. Similar tenons 10 extend longitudinally along the upper edges of the top rails of the sections 5 and 6. When the window panels, movable in the opening of the door of the vehicle is lowered, the sections 5 and 6 may be swung in relation to each other so as to be disposed at an angle, at which time the tenons may be engaged in the usual grooves in the sides of the opening in which the side edges of the window panel slide, and then the sections may be swung to be disposed in the same plane with each other. The frame may then be lowered so that the upper edge of the window panel is received in the groove 8, after which the window panel may be raised until the tenons 10 project into the groove at the top of the opening. In order that the frame may fit different size openings in different doors, the section 6 of the frame is made in two parts, one being designated specifically by the numeral 12, and the other by the numeral 13. The upper and lower rails of these parts 12 and 13 are reduced as is indicated at 14 to overlap each other in sliding relation. One of these reduced portions of the lower and upper pair is provided with a slot 15 so that a bolt 16 may be passed therethrough and through an opening in the overlapping portion. By loosening the nuts 17 on the bolts 16, the sections 12 and 13 may be moved toward or away from each other, thereby shortening or lengthening the length of the frame.

The frame is cut away to provide a shoulder 19 all around the inner sides thereof. Plates 20 overhang the shoulders on the part 12 at the upper and lower portions thereof. Pivoted members 21 are mounted at the other corners of the shoulders. A screen is constructed in two panels 22 and 23 hinged together as at 24. These screen panels are receivable in the frame sections, and are held in place by the plates 20 and pivoted

members 21. A relatively wide strip 26 is provided on the screen panel 23, whereby the frame may be lengthened when desired. A knob 27 is provided on the panel 22 so that said panel 22 may be swung to an open position. When the frame is lengthened the wide strip at the right of the frame member 6, and the wide shoulder 19 prevent the formation of an opening through which bugs could pass.

It is thought that the construction, operation, utility, and advantages of this invention will now be clearly understood without a more detailed description thereof. It is desired to point out, however, that the present embodiment of the invention has been disclosed merely by way of example since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description. It will be apparent that numer-

ous changes in the details of construction, in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described the invention, what I claim as new is:—

In a device of the class described, a pair of hingedly connected frame sections, one of said sections being adjustable, a pair of hingedly connected screen sections mounted in the frame sections, and means for detachably holding said screen sections in the frame sections, the sides of said frame section being provided with tenons, the tops of said frame sections being provided with tenons, and the bottom of said frame sections being provided with grooves.

In testimony whereof I affix my signature.
OLIVER F. WALLIN.