Aug. 9, 1960 C. R. JOHNSON 2,948,565

ARMREST FOR AUTOMOBILE WINDOWS

Filed Dec. 5, 1958

Fig. 1

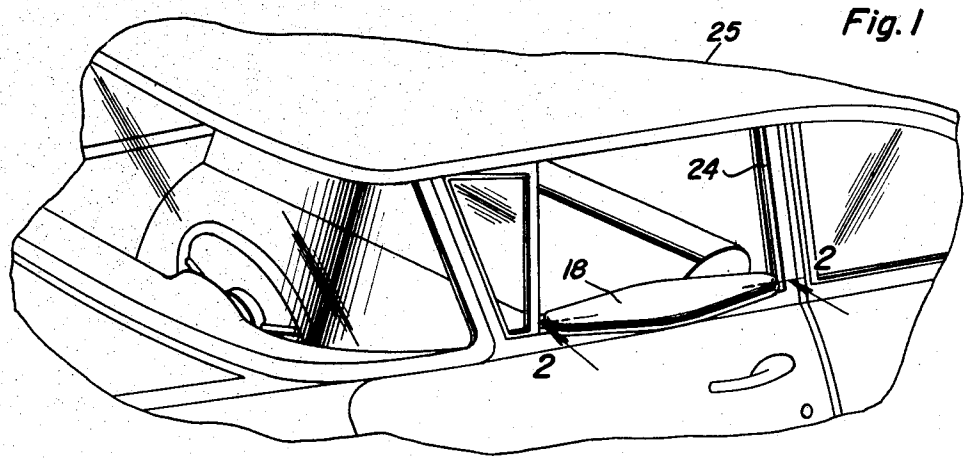


Fig. 5

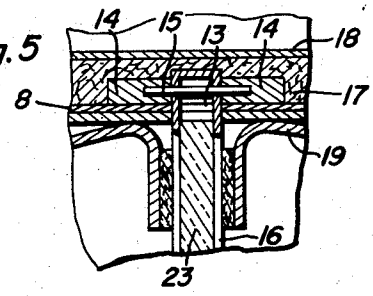


Fig. 6

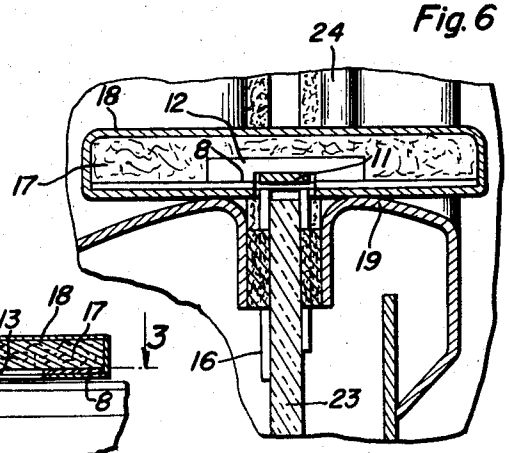


Fig. 2

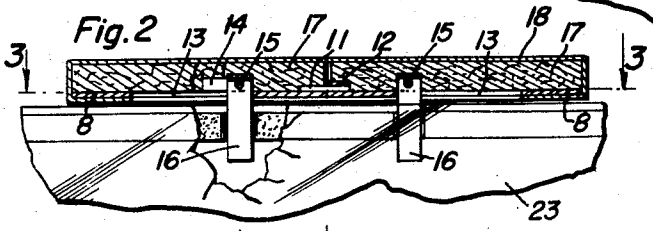


Fig. 3

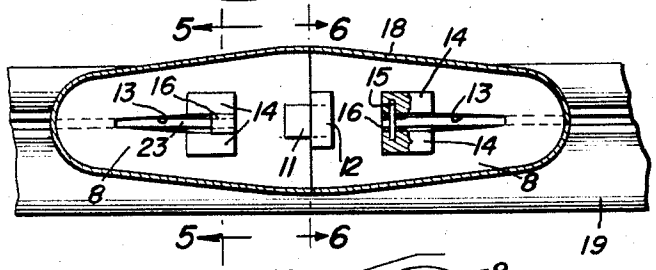
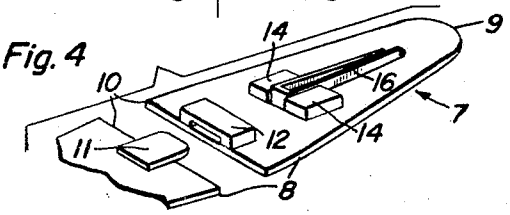


Fig. 4



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ARMREST FOR AUTOMOBILE WINDOWS

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1 Claim. (Cl. 296—49.2)

This invention relates to new and useful improvements in automobile window armrests of the type constituting the subject matter of my U.S. Patent No. 2,838,340, issued June 10, 1958.

An important object of the present invention is to provide an armrest of the aforementioned character comprising improved means for removably securing the device on the vertically slidable window glass to be raised and lowered therewith.

Another important object of the present invention is to provide, in a manner as hereinafter set forth, an improved armrest of the character described which, when not in use, may be readily knocked down or disassembled and folded for storage in the usual glove compartment, for example, of the vehicle.

Other objects of the invention are to provide an armrest of the character set forth which will be comparatively simple in construction, strong, durable, comfortable, relatively compact and which may be produced at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a perspective view, showing an improved armrest embodying the present invention in position for use;

Figure 2 is a longitudinal sectional view, taken substantially on the line 2—2 of Figure 1;

Figure 3 is a horizontal sectional view, taken substantially on the line 3—3 of Figure 2;

Figure 4 is a fragmentary view in perspective of the plate, showing the sections separated;

Figure 5 is an enlarged fragmentary view in transverse section, taken substantially on the line 5—5 of Figure 3; and

Figure 6 is an enlarged view in transverse section, taken substantially on the line 6—6 of Figure 3.

The embodiment of the present invention which has been illustrated comprises an elongated, generally oval plate of suitable material, preferably metal, which is designated generally by reference character 7. The plate 7 includes a pair of separable, duplicate half-sections 8 which terminate in substantially rounded outer ends 9. The inner ends 10 of the sections 8 are square-cut for abutting engagement with each other. A longitudinally projecting tongue 11 on the inner end portion of one of the sections 8 is frictionally engageable in a socket or sleeve 12 provided therefor on the corresponding end portion of the other section 8 for detachably securing said sections together.

The plate 7 is adapted to be removably mounted on the upper edge of the vertically slidable glass 23 of the window 24 adjacent the operator's seat of the vehicle 25. Toward this end, the sections 8 have formed longitudinally therein outwardly tapered slots 13. Pairs of bearings 14 are fixed on top of the plate sections 8 on opposite sides of the slots 13. The bearings 14 are located

adjacent the inner ends of the slots 13. Pins or shafts 15 traverse the slots 13 and are journalled in the bearings 14. Fixed on the pins 15 and operable through the slots 13 are substantially U-shaped, resilient clips 16 which are adapted to straddle the glass 23 and frictionally grip the same under tension for mounting the plate 7 thereon. As shown to advantage in Figure 6 of the drawing, the resilient clips 16 comprise a relative long leg to facilitate application to the glass 23 in an obvious manner. If desired, the bearings 14 may be omitted, the pins 15 fixed on the plate 7 and the clips journalled on said pins.

Secured in any suitable manner on the sections 8 of plate 7 are pads 17 of sponge, foam rubber or other suitable compressible material which cover the elements 11, 12, 14, etc. Stretched over and enclosing the pads 17 and the plate 7 is a removable cover 18 of a suitable elastic material.

In use, the glass 23 is elevated sufficiently to permit the resilient clips 16 to be applied to the upper portion of said glass. When the glass is lowered to open position the device rests on the sill 19 of the window 24 with the clips 16 extending downwardly into the well. This is shown to advantage in Figure 6 of the drawing. When the device is not in use the clips 16 may be swung upwardly to an out-of-the-way position through the slots 13 beneath the pads 17. When swung to open or operative position the clips 16 engage the inner end walls of the slots 13 and are arrested thereby. The clips 16 are engageable under tension with the side walls of the longitudinally tapered slots 13 and are thus frictionally retained in operative or inoperative position. If desired, the elastic cover 18 may be removed, the plate sections 8 separated and the clips 16 folded for compact storage in the usual glove compartment of the vehicle.

It is believed that the many advantages of an armrest constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed as new is as follows:

An armrest for use on motor vehicle windows of the type comprising a vertically slidable glass, said armrest including an elongated plate mounted longitudinally on the upper edge of the glass and having aligned, longitudinally extending, outwardly tapered slots in its end portions, bearings fixed on top of the plate on opposite sides of the slots, pins journalled in the bearings and traversing the inner end portions of the slots, generally U-shaped, resilient clips fixed on said pins and operable in the slots for straddling the glass and frictionally securing the plate thereon, said clips including long and short legs to facilitate application to the glass, said clips further being engageable with the inner end walls of the slots for positively preventing swinging movement of said clips beyond operative position, said clips still further being engageable under tension with the side walls of the slots for frictional retention thereby in operative and inoperative positions, and a compressible pad mounted on the plate.

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