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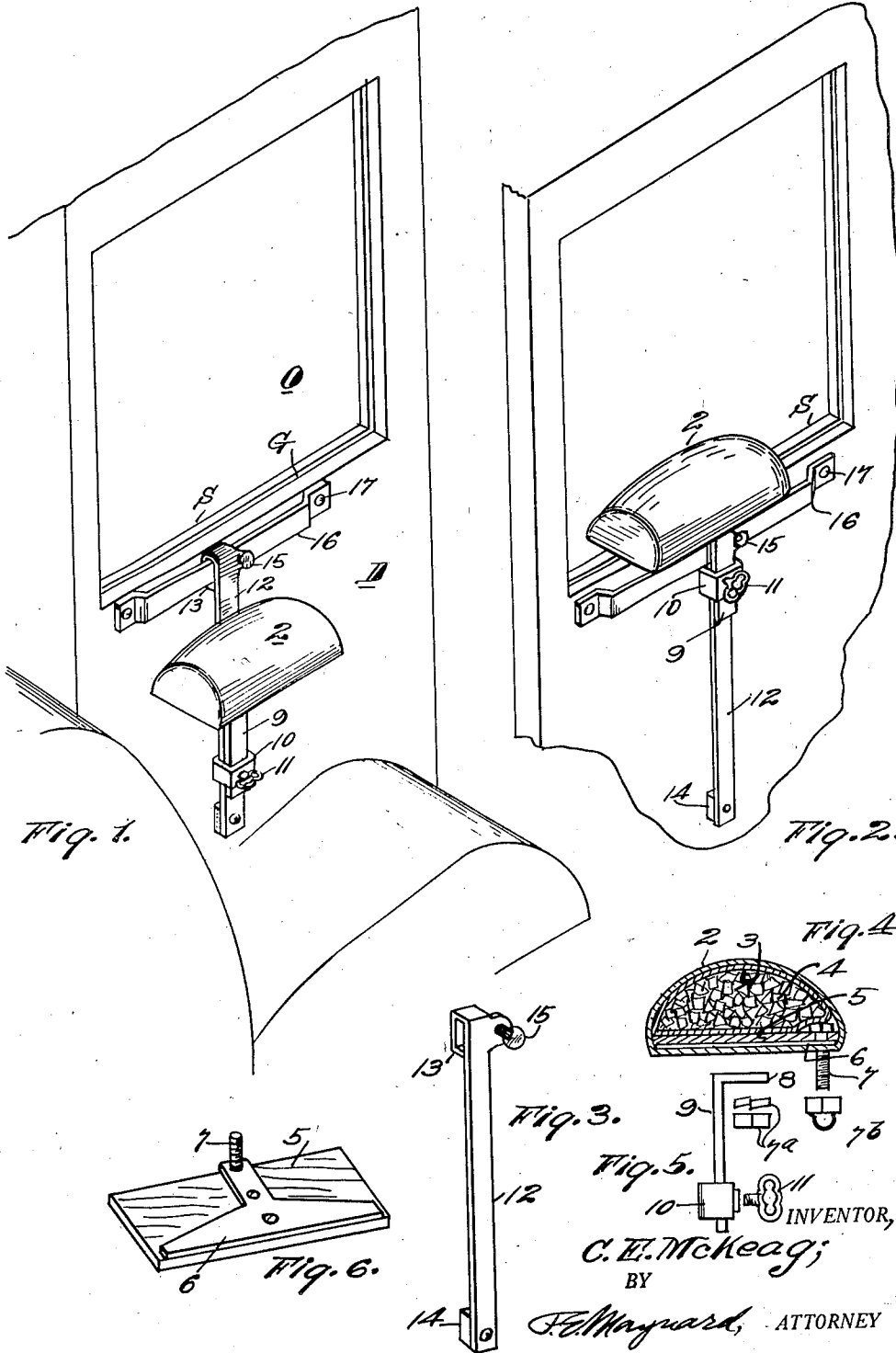
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ADJUSTABLE ARM CUSHION FOR AN AUTOMOBILE

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2 Sheets-Sheet 1



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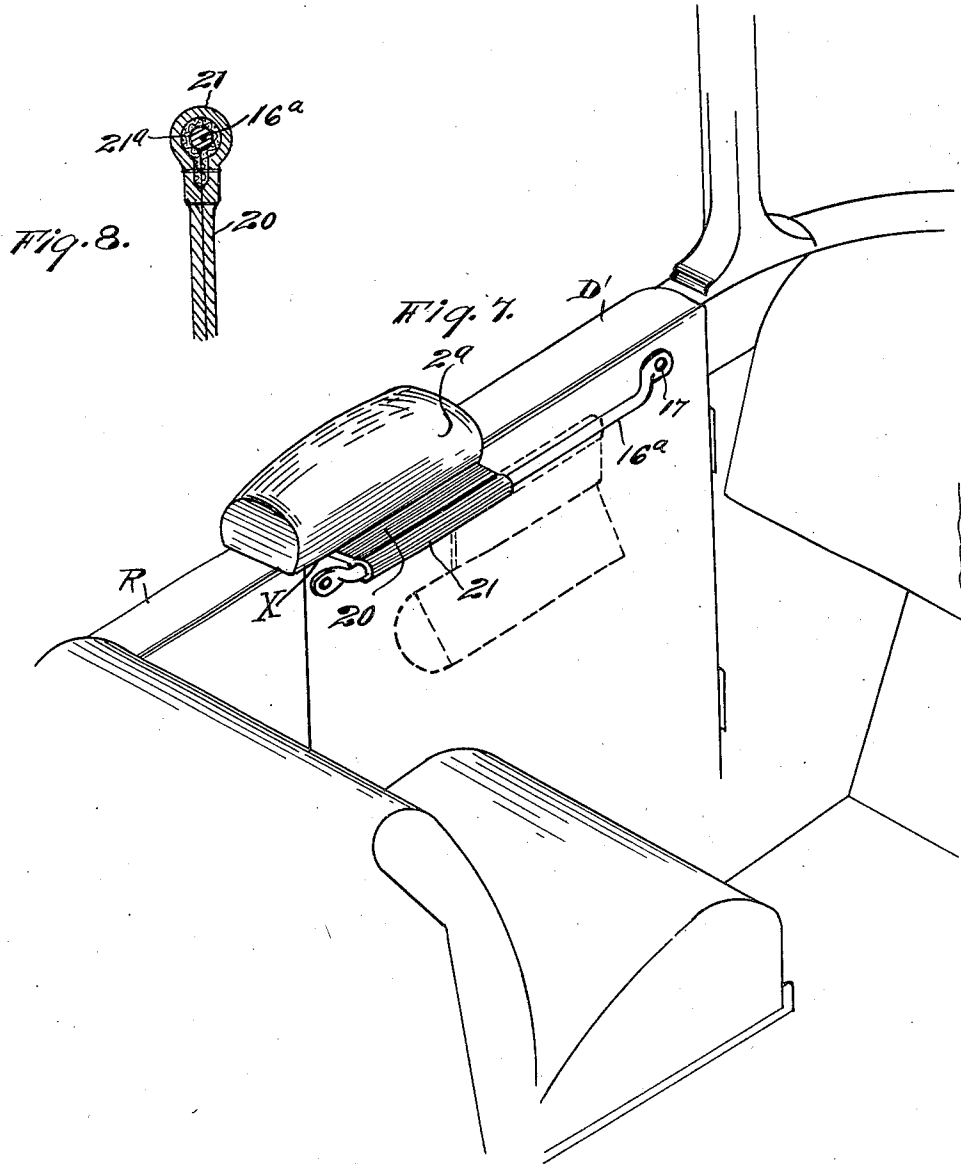
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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ADJUSTABLE ARM CUSHION FOR AN AUTOMOBILE

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This invention relates to arm rests or cushions for application to desired parts of automobiles.

An object of the invention is to provide a simple, practicable, substantial and comfortable means for ready attachment to a front door, or other desired part, as the side wall of an automobile for the purpose of supporting the elbow of the driver or a passenger sitting adjacent to the door or wall of the body.

An object is to provide a cushioning device functioning to rest the arm and also protect the sleeve fabric worn on the arm.

An object is to provide a cushioning device which may be attached to the body wall or to a door and adjusted therealong to a position determined by individual requirements to be most comfortable. A further object is to provide for vertical and longitudinal adjustment of the cushion, and also provide for use of the cushion either in a position at the inner side of a door and below its window, or for adjustment over the sill of the door window opening, when the window is open.

Numerous additional objects, advantages and features of construction, combination and details will be made manifest in the following specification of the annexed illustrations of apparatus; it being understood that modifications, variations and adaptations may be resorted to within the scope, spirit and principle of the invention as it is more directly claimed hereinafter.

Figure 1 is a perspective of a vertically and horizontally adjustable type of the cushion arranged on the inner side of a door.

Figure 2 is a perspective showing the cushion adjusted over the window opening sill in the door.

Figure 3 is a perspective of a detached hanger.

Figure 4 is a cross-section of the cushion structure.

Figure 5 is an elevation of the cushion elevator.

Figure 6 is a bottom view of the cushion bed.

Figure 7 is a perspective of a form of cushion mounted directly on a track for adjustment on a wall or door rail, and

Figure 8 is a section of the rail and the applied cushion web hanger.

The invention broadly consists of a soft cushion or rest combined with means whereby it may be retained in various positions along the wall rail or door structure in a most convenient position for the user of the applied cushion.

The cushion proper includes an outer envelope 2 of any appropriate material as cloth, leather, or other pliable sheet stock which may be selected and finished to harmonize with the interior finish of any given automobile. This envelope encloses a suitable, distensible bag 3 which may be pneumatically inflated, but, preferably, is stuffed with a filling of commercial sponge rubber 4 in block or in chip form, as desired, because of the long life and high elastic property of the goods.

For horizontal stability and strength the bag is mounted on a rigid bed 5, as of laminated wood reinforced by a bottom bar 6 from which medially projects a stud screw 7 extending down through the envelope 2 and located quite close to one side of the cushion.

This stud screw 7 forms a vertical pivot mounted in a bearing horn 8 provided on the upper end of an elevator 9 having yoke 10, with a set screw 11, sliding vertically on a hanger in the shown form of a simple, upright bar 12 having an eye 13 in its upper end which is horizontally adjustable on a supporting track 16. The lower end of the hanger bar 12 has a surface protecting pad 14, and its upper end has a set screw or clamp device 15 to bind on the track 16 and so hold the hanger at desired longitudinal position.

The track 16 has offset ends and is adapted to be secured as by screws 17 to the inner side of an automobile door D having a window opening O for a retractable window glass G. The horn 8 is directed inwardly from the door and the cushion 2 may be raised or lowered along the inner side of the door to a desired height, Fig. 1, and set by the holding screw 11 which pinches on the hanger bar 12. This allows the window glass to be raised

to close the opening O. When desired the cushion 2 can be elevated to a position so that it may be swung out over the sill S, Fig. 2.

A lock nut device 7^a on the screw-pivot 5 7 serves to secure the cushion in inside or outside adjusted position on the horn 8. A cup-nut 7^b serves as a finish on the screw 7.

In either inside or outside adjustment of the cushion 2 this may be longitudinally shifted by the hanger 12 on the track 16. This 10 is an advantage since it enables application to divers types of car doors and for adjustment to most comfortably support the elbows of different users.

A variant form of the arm support is shown 15 in Figs. 7 and 8 wherein is shown a cushion 2^a having a lateral, suspending web 20, of suitable material, having a bearing tube or hem 21 closely fitting a round-rod track 16^a 20 whose offset ends are fastened by screws 17 to the door D' in such position that the cushion may be swung up onto the door rail, as in Fig. 7. The rail is of such length as to allow for the sliding adjustment of the cushion 25 to the desired location. In some cases the elbow will not reach over to the door rail and in order that the cushion 2^a can be pulled over to the body rail R the cushion overhangs at X from one end of the attached web 20. 30 When not in use the cushion 2^a and its side web are pulled in over the track 16^a and left to hang at the inner side of the door D', as shown in dotted lines. Thus the door can be opened and closed without interference. 35 There may be provided in the hem 21 a tough wearing tube or liner 21^a.

What is claimed is:

An arm cushioning device for an automobile including a track means attachable to a 40 part thereof and a cushioning body having a lateral hanger portion including a hemmed tube which is slidably and turnably mounted on the track so that the cushion may be inverted into a useful position as an arm rest.

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