C. R. SPENCER.

ARMREST.

APPLICATION FILED SEPT. 22, 1921.

1,426,787. Patented Aug. 22, 1922.

Fig 1

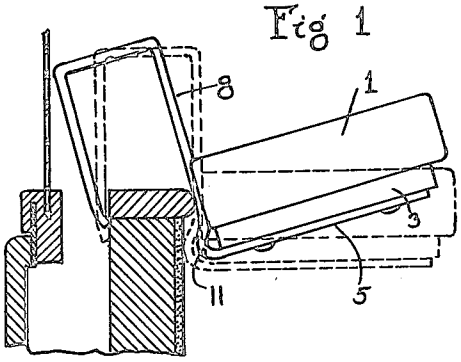


Fig 2

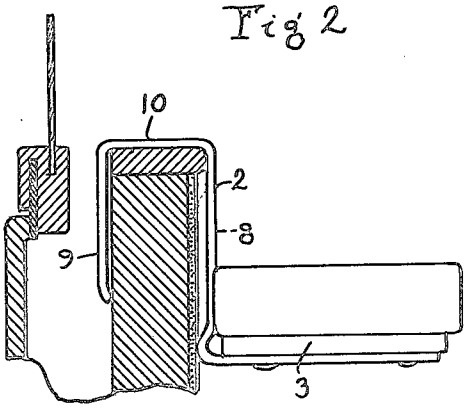


Fig 4

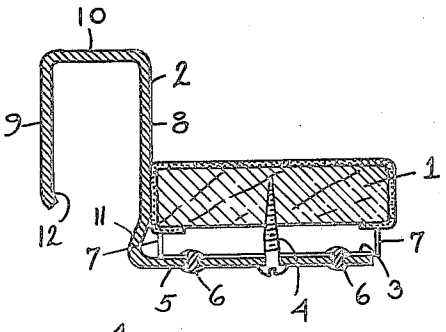
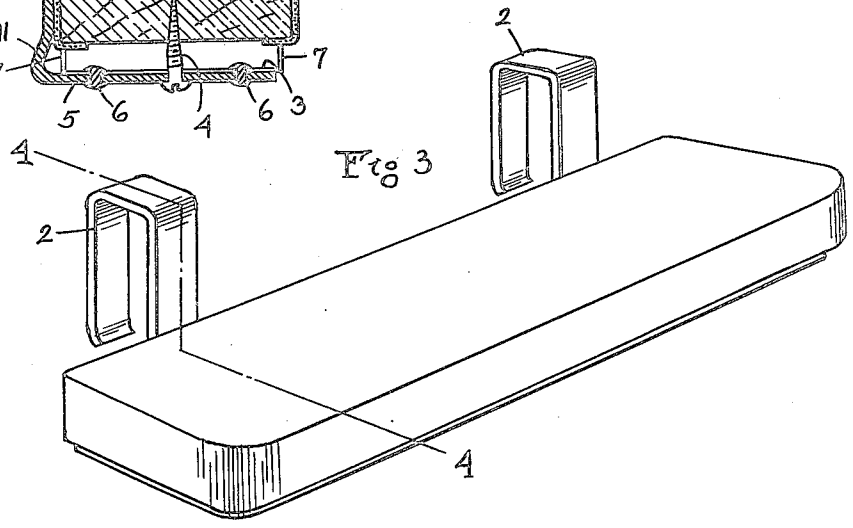


Fig 3



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ARMREST.

1,426,787. Specification of Letters Patent. Patented Aug. 22, 1922.

Application filed September 22, 1921. Serial No. 502,455.

To all whom it may concern:

Be it known that CHARLES R. SPENCER, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, has invented certain new and useful Improvements in Armrests, of which the following is a specification.

This invention relates to improvements in arm rests for automobiles, proposing a detachable arm rest which is available with special utility as a side arm for the chairs or seats of automobiles of the enclosed sedan type and which may also be used, as desired, for a like purpose with other types of automobiles.

The objects of the invention are to provide a simply constructed arm rest which may be easily and quickly applied and detached, which is complete in itself and has no associated parts requiring attachment to or formation in the wall of the body of the car, which as fitted in operative position will be securely held against displacement and will not rattle or slip consequent to the vibration of the car, which will be so supported from the wall with which it is associated that it will remain firm and rigid under the weight or pressure of the arm and which will not interfere with the raising and lowering of the window glass adjacent which it is supported.

With the above objects in view the invention consists particularly in the structural features of the means for supporting the rest proper from the wall of the body of the car with particular reference to the cooperation of said means with the supporting wall part.

The invention is illustrated in the accompanying drawing wherein:

Figure 1 is an end view of the arm rest, showing the first stage of its manipulation to operative position and showing the adjacent wall and window glass in cross section.

Figure 2 is a similar view showing the arm rest in operative position.

Figure 3 is a perspective view of the arm rest, and

Figure 4 is a cross section on the line 4—4 of Figure 3.

The arm rest includes the supporting block 1 which forms the rest proper and a pair of hangers 2 attached to the block and formed to cooperate with an adjacent wall of the body of the car. The block may be finished in suitable upholstery and in the construction preferred has a sheet metal base 3 secured adjacent its under face by a fastening screw 4. The hangers 2 have extension portions 5 to which the base 3 is attached by rivets 6 or equivalent fastenings, said base conveniently having marginal flanges 7 which bear against the under face of the block 1 and provide a clearance below the block for the heads of the rivets 6.

The hangers 2 are of general U-shape to engage over the adjacent wall part of the automobile body and each comprise a pair of vertical parts 8 and 9 and a horizontal part 10 connecting the parts 8 and 9. The part 8 extends in upright relation from the block 1 and the part 9 depends from the connecting part 10. The hangers 2 are fashioned from bars of metal of somewhat heavy gauge whereby said hangers are quite stiff but at the same time possessed of a certain measure of resiliency which is utilized to insure the secure and cooperating frictional engagement of the parts 8 and 9 with the supporting wall. The parts 8 are each formed to bear frictionally against the adjacent side of the supporting wall and for this purpose are preferably provided with short inward projections 11 which are preferably located adjacent the block 1 and at the junction of the parts 8 and extension portions 5. The parts 9 fit between the wall and the window glass and are preferably provided with terminal projections 12 which are bent inward at a slight angle and which bear frictionally against the face of the wall opposite to the face which is engaged by the projections 11.

The arm 9 is of less extent than the companion part 8 whereby the projections 12 and 11 will be relatively located at higher and lower points. This relation of the projections 11 and 12 promotes convenience in fitting the arm rest in position upon the supporting wall. Thus, as shown in Figure 1, with the block 1 canted slightly upward the hangers 2 are held over the supporting wall and the rest is brought to a poistion wherein the projections 12 lie against the outer side of said wall and the projections 11 lie below and clear of the projecting bead with which the wall is usually finished, after which the block is brought from the canted position into a flat or horizontal position as shown in

broken lines in Figure 1 wherein the projections 11 bear against the inner side of the supporting part and thereupon the arm rest is moved straight downward until the connecting part 10 engages the upper side of the supporting part, as shown in Figure 2. As thus positioned relatively to the supporting wall the projections 11 will sustain the weight or pressure of a person's arm resting on the block 1 and the projections 11 and 12 in cooperation will bear with strong frictional pressure against the opposite sides of the supporting wall to hold the arm rest against slipping or rattling consequent to the vibration of the car or to any jarring of the block 1. It will be noted that the frictional retaining engagement of the hanger 2 with the supporting wall is accomplished incidentally to placing the rest in operative position and that for the purpose of securing the rest no parts are employed which require special manipulation. It will also be noted that the rest may be placed at one side of the usual strap by which the window glass is raised or lowered so as to present no obstruction to the use of such strap.

Having fully described my invention I claim:

1. An arm rest comprising a block and a pair of hangers attached thereto and each being of general U-shape and consisting of vertical parts and a connecting horizontal part, the vertical parts being formed to engage frictionally and directly the sides of the supporting part at relatively higher and lower points and having such engagement incident to the movement of the block to its operative position.

2. An arm rest comprising a block and a pair of hangers attached thereto and each being of general U-shape and consisting of vertical parts and a connecting horizontal part, the vertical part at the inner side of the hanger being provided with a short inward projection located adjacent the block and the other vertical part being provided with a short inward terminal projection located at a higher point than the projection on the first part, said projections being adapted for cooperating frictional engagement with the opposite sides of the supporting part and having such engagement incident to the movement of the block to its operative position.

3. An arm rest comprising a block, a pair of U-shaped hangers having extension portions, a base to which the extension portions are riveted and a screw securing the base to the block, the base having flanges to bear against the block and provide a clearance for the rivets.

4. An arm rest comprising a block and a pair of hangers attached thereto and each being of general U-shape and consisting of vertical parts and a connecting horizontal part, the vertical parts being formed to engage frictionally and diretcly the sides of the supporting part at relatively higher and lower points and having such engagement incident to the movement of the block to its operative position, the vertical parts which have their engagement with said sides at the lower points being provided at their lower ends with horizontal extensions and the block resting upon and being secured to said extensions.

In testimony whereof I affix my signature.

CHARLES R. SPENCER.