Feb. 1, 1927. 1,616,009

W. S. TURNER

DOOR POCKET STRAP

Filed Jan. 19, 1925

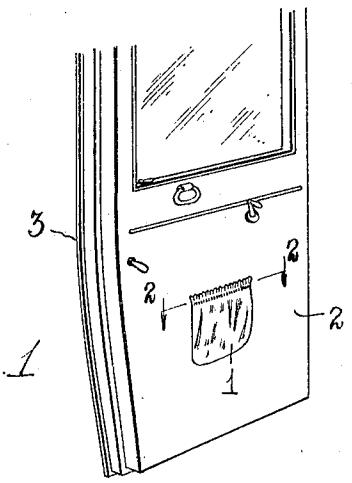


Fig. 1

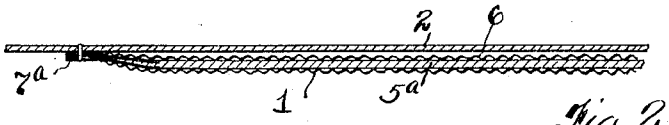


Fig. 2

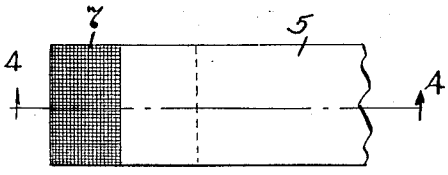


Fig. 3

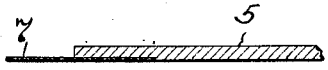


Fig. 4



Fig. 5



Fig. 6

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UNITED STATES PATENT OFFICE.

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DOOR-POCKET STRAP.

Application filed January 19, 1925. Serial No. 3,489.

In most enclosed types of automobile bodies, as at present made, a pocket is provided on the inside of one or more of the doors, such pocket being formed, as in the case of a so-called patch pocket on a garment, by attaching to the fabric material wherewith the door is lined a piece, usually of the same fabric, of square or other outline. Such pocket is of course unattached across its upper edge and in order to hold such edge close against the back wall of the pocket, it has been customary to insert a band or strap of woven elastic, the ends of the band being securely attached to the back.

The object of the present invention is to provide a more satisfactory form of elastic strap for such door pockets by substituting a strap composed wholly of rubber. More particularly the invention consists in a novel construction of the ends of such a rubber band or strap whereby they may be readily attached to the wall forming the pocket back and at the same time secure the necessary firm and permanent attachment of such ends.

To the accomplishment of the foregoing and related objects, the invention, then, consists of the means hereinafter fully described and particularly pointed out in the claims, the annexed drawing and the following description setting forth in detail certain mechanism embodying the invention, such disclosed means constituting, however, but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawing:—

Fig. 1 is a broken perspective view showing a pocket of the type described as attached to the door of an automobile body; Fig. 2 is a horizontal transverse section on a larger scale through the adjacent upper edge of such pocket, as indicated by the line 2—2, Fig. 1; Fig. 3 is an elevational view of one end of the strap employed in such pocket, such end illustrating one form of the present improvement; Fig. 4 is a longitudinal transverse section of such strap end, as indicated by the line 4—4, Fig. 3; and Figs. 5 and 6 are similar sectional views illustrating two modified forms of construction, respectively.

The pocket shown in Fig. 1 is of the type hereinbefore referred to, consisting of an approximately rectangular piece 1 of fabric that is attached across its lower edge and at its respective sides to the fabric lining 2 of the door 3. The upper edge of the pocket is desirably shirred, as shown, so as to provide a certain degree of fullness, which it is essential the pocket should have, and secured to such shirred edge is the strap 5 of present interest. The material composing the pocket is usually secured to this strap by sewing an additional strip 6 to the shirred edge of the pocket with two seams, one above and the other below the band, or in place of such a strip 6 (see Fig. 2) if the pocket is lined, then the lining is similarly thus sewed. The strap 5, as previously indicated, consists of a band of rubber having the necessary degree of resiliency to permit the mouth of the pocket to be distended. Normally, however, the strap will draw such mouth closely against the back wall 2. In order to permit the ends of this band to be sewed to such back wall, a short strip 7 of canvas, or equivalent stout fabric, is vulcanized to one side of the band adjacent each end, such strip being allowed to project a short distance beyond the end, as shown in Figs. 3 and 4. These projecting tabs of fabric will lie in the line of the seam whereby the side edges of the pocket are secured to the back wall and may be sewed to the latter along with such edges or they may be separately sewed. In any event the fabric permits a needle to be readily inserted therethrough without the heating effect and danger of breaking where it is attempted to sew the rubber band itself. At the same time there is much less danger of the latter breaking away from its fastening since the vulcanized connection between the tab and the band is sufficiently extensive to spread the strain.

In place of the end of the band being cut off square as in Figs. 3 and 4, it may be tapered on one side, as shown in the case of band 5^a, Fig. 5, the tab 7^a being here shown as redoubled upon itself and extending across such tapered side of the strap end; or the latter may be tapered on both sides, as shown in the case of band 5^b, Fig. 6, the short strip or tab 7^b of fabric being in

this case inserted in the body of the band so that the latter overlies such tab on both sides.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the mechanism herein disclosed, provided the means stated by any of the following claims or the equivalent of such stated means be employed.

I therefore particularly point out and distinctly claim as my invention:—

1. An elastic strap for use as shirring for door pockets, comprising a stretchable band of rubber, and tabs of fabric vulcanized to the respective ends of the band and extending beyond the band of rubber to act as attaching means.

2. An elastic strap for use as shirring for door pockets, comprising a stretchable flat band of rubber, and tabs of fabric attached to the respective ends of said strap and extending therebeyond to be used as places of attachment for said strap.

3. An elastic strap for use as shirring for door pockets, comprising a stretchable band of rubber having its respective ends tapered, and tabs of fabric attached to the respective ends of said strap and extending therebeyond to be used as places of attachment for said strap.

4. An elastic strap for use as shirring for door pockets, comprising a band of stretchable rubber having its respective ends tapered on one side and redoubled tabs of fabric vulcanized to such ends on both flat and beveled sides and extending beyond the rubber provide flat fabric portions for attachment by sewing.

Signed by me, this 5 day of January, 1925.

WILLIAM S. TURNER.