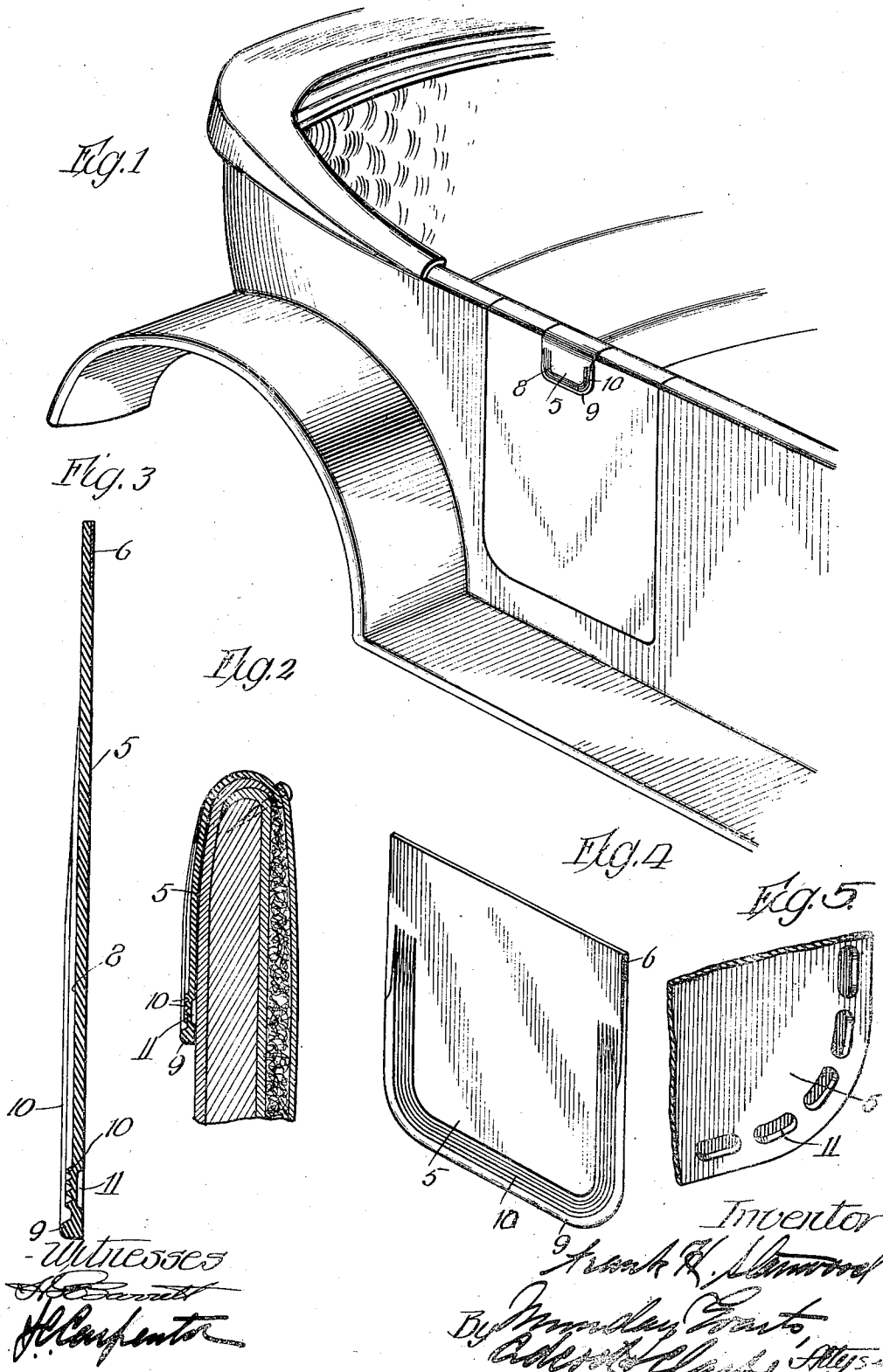


F. H. STANWOOD.
 HAND DOOR PAD FOR AUTOMOBILES.
 APPLICATION FILED SEPT. 18, 1916.

1,306,199.

Patented June 10, 1919.



Witnesses
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UNITED STATES PATENT OFFICE.

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HAND DOOR-PAD FOR AUTOMOBILES.

1,306,199.

Specification of Letters Patent. Patented June 10, 1919.

Application filed September 18, 1916. Serial No. 120,649.

To all whom it may concern:

Be it known that I, FRANK H. STANWOOD, a citizen of the United States, residing in Arlington, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Hand Door-Pads for Automobiles, of which the following is a specification.

Prior to my invention it has been frequently the custom to provide a piece of leather secured at its upper edge in the upholstery at or near the top of an automobile door. The strip or sheet of leather lies over the top of the door and depends downwardly at its side a sufficient distance to permit engagement by the hand of a person opening or closing the door in order that such person may not grasp the enameled or painted surfaces of the door for this purpose.

These hand door pads as constructed in the past have been unsightly and inconvenient in use due to the fact that they have been made of relatively stiff leather. The curving part or the connection between the depending part and the part upon the top of the door has not been sufficiently flexible to cause the body of the pad to lie close alongside the door. Furthermore the leather has hardened with time and frequent washing so that it hardens and the corners protrude outwardly.

An object of this invention is the provision of the pad of this character which will lie close alongside the door, which will not flop as the car proceeds, and which may be grasped by a person sitting in the car or standing upon the ground to open or close the door with greater ease than is possible where the body of the pad does not lie flat against the door.

Other objects and advantages of the invention will be apparent as it is better understood from the following description when considered in connection with the accompanying drawing illustrating a preferred embodiment thereof.

On the drawing,

Figure 1 is a perspective view of a part of an automobile showing a door provided with a pad embodying my present invention;

Fig. 2 is a vertical section through the pad and door;

Fig. 3 is an enlarged section through the pad before being placed on the door.

Fig. 4 is a perspective view of the same; and

Fig. 5 is a fragmentary view of the same. A pad embodying my present invention is preferably, although not necessarily, composed of rubber of good grade and consists of a sheet of the same having peculiar features of construction and provided with a strip of cloth along the rear face of one of its edges through which tacks or other fastening means may be driven to hold the pad in place. In accordance with my invention the pad is constructed with a hinge or connection between the part fastened in the upholstery seam and the depending part of greater flexibility or greater bending qualities than that possessed by the body of the pad and greater also than that usually possessed by the leather pads formerly in use.

Referring to the drawing, the sheet of rubber consists of a body of substantially uniform thickness and of desired superficial configuration. A strip of heavy cloth or equivalent material is secured upon or embedded in the upper edge 7 and is located on the under side. The body 8 of the pad or the part that depends from the top of the door along its side is reinforced about its bottom and side edges with an integral bead 9 and also with a plurality of ribs 10. The bead and ribs stiffen the body of the pad and also add to its weight so that it tends to lie closer to the door. The hinged part not being provided with any reinforcing material is more flexible than the body.

In order to further insure the hand pad from flopping away from the car and also from curling up at its corners, I provide a series of vacuum cups or depressions 11 about its lower edge. Each time a hand grasps a pad these cups are forced in contact with the door and the vacuums produced by them are renewed.

It will be manifest that three separate means are employed to cause the pad to lie close alongside the door. One of these is the hinged connection more flexible than the body of the material; a second is a connection of less weight than the body of the material; and the third is the provision of vacuum cups for positively holding the pad to the door.

It will be manifest that a pad made of rubber or similar material will not be readily

affected by rain or the water used in washing the car and if good rubber is used the pad will not harden or warp during the life of the automobile provided therewith under
5 ordinary conditions.

It is thought that the invention and many of its attendant advantages will be understood from the foregoing description, and it will be apparent that various changes may
10 be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing any of its material advantages, the form hereinbefore described being merely
15 a preferred embodiment thereof.

I claim:

1. A hand pad for automobile doors and the like, comprising a flexible portion and a relatively stiff portion, said flexible portion being adapted to be secured on a door
20 and the stiffer portion to hang alongside the same.

2. A hand pad for automobile doors and the like, comprising a sheet having a flexible portion adapted to be secured to the
25 door, and having a portion reinforced about its edge and adapted to hang down alongside said door.

3. A hand pad for automobile doors and the like, comprising a sheet having a portion adapted for attachment to the door,
30 and having a portion also adapted to depend alongside said door, said depending portion being adapted to adhere to said door.

35 4. A hand pad for automobile doors and

the like, comprising a sheet having a portion adapted for attachment to the door, and having a portion also adapted to depend alongside said door, said depending portion having vacuum cups adapted to engage said
40 door.

5. A hand pad for automobile doors and the like, comprising a rubber sheet having a portion adapted for attachment to the door, and having a portion also adapted to
45 depend alongside said door, said depending portion having a reinforcement around its edges.

6. A hand pad for automobile doors and the like, comprising a rubber sheet, and provided with a strip of fabric along an edge to permit it to be secured in place, and having a part adapted to depend alongside the door.
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7. A hand pad for automobile doors and the like, comprising a rubber sheet adapted
55 to be secured along an edge at the top of the door, and having vacuum cups at an opposite edge to cause said sheet to lie close alongside said door.

8. A hand pad for automobile doors and the like, comprising a sheet having a part
60 more flexible than the remainder and adapted to extend over the edge of the door and be secured thereto.

Signed in the presence of two subscribing
65 witnesses.

FRANK H. STANWOOD.

Witnesses:

THOMAS J. P. O'BRIEN,
M. EDNA BARRY.