Feb. 23, 1932. G. P. DIKE 1,846,512

ASH RECEPTACLE FOR AUTOMOBILES

Filed Nov. 30, 1928

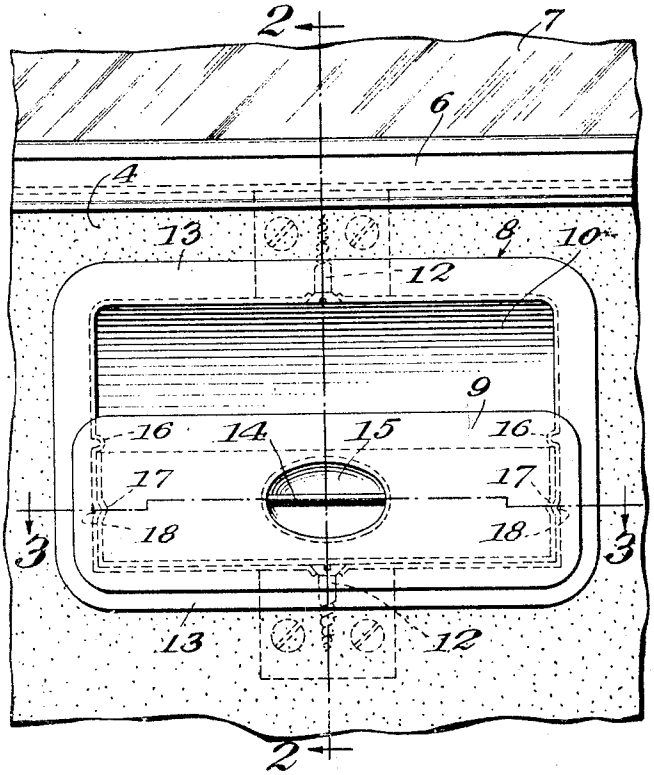

Fig. 1

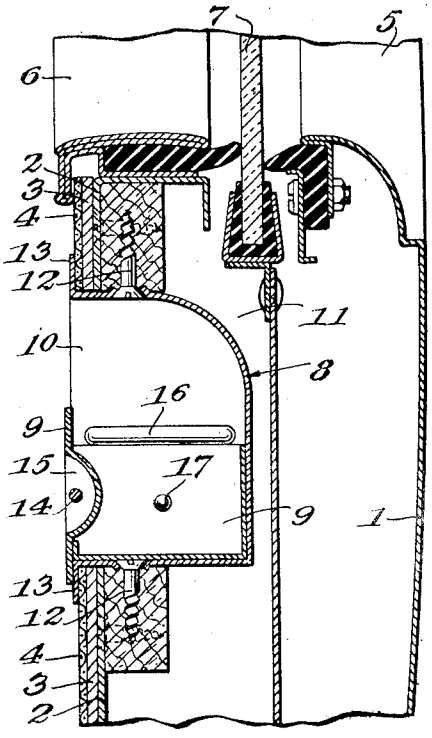

Fig. 2

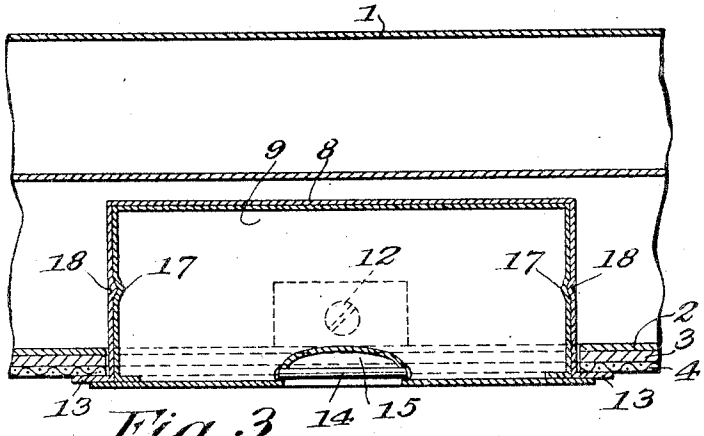

Fig. 3

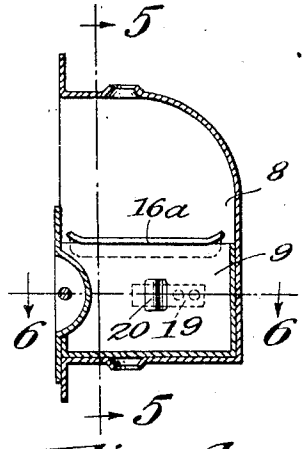

Fig. 4

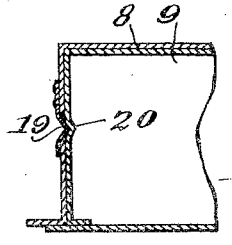

Fig. 6

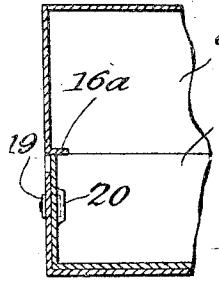

Fig. 5

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UNITED STATES PATENT OFFICE

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ASH RECEPTACLE FOR AUTOMOBILES

Application filed November 30, 1928. Serial No. 322,695.

This invention relates to a receiver for cigar and cigarette ashes, and more particularly to an ash receiving assembly adapted for installation in a wall, as, for example, in the inner wall of an automobile body.

It is, at present, customary to provide closed automobile bodies with interior ash receptacles for the convenience of smokers riding therein. In actual practice it has been customary to attach such ash receptacles to the inner face of the wall of the body, but when so placed they constitute objectionable projections which are in the way and occupy room. Attempts have been made to utilize the space between the outer shell of the body and inner panel which carries the trimming material or upholstery, thereby providing a so-called flush type ash receiver. Such flush type ash receivers as heretofore constructed have been not altogether satisfactory, inasmuch as they have been expensive to manufacture and difficult to clean, and have, in some instances, presented the possibility of permitting waste material, including lighted matches and cigar and cigarette ends, to drop into the space between the inner and outer paneling, with resulting danger of fire.

My present invention provides a simple flush type ash receiver capable of being placed in the space between the outer paneling and the lining of the body, which can be readily emptied, and which does away altogether with any possibility of fire. The device embodying my invention can also be made more cheaply than ash receivers of the less effective type heretofore constructed.

Before explaining in detail the present invention, it is to be understood that the invention is not limited in its application to the details of construction and arrangement of parts illustrated in the accompanying drawings, since the invention is capable of other embodiments and of being practised or carried out in various ways. Also it is to be understood that the phraseology or terminology employed herein is for the purpose of description and not of limitation, and it is not intended to limit the invention beyond the terms of the several claims hereto appended as considered in view of the prior art and the requirements thereof.

The invention will be more readily understood if the following description is read in connection with the accompanying drawings, in which:

Fig. 1 is a front view of the ash receiving assembly installed between the inner and outer panels of an automobile door.

Figs. 2 and 3 are sections taken substantially on the lines 2—2 and 3—3, respectively, Fig. 1.

Fig. 4 is a vertical sectional view of a modified form of receiving assembly.

Figs. 5 and 6 are sections taken substantially on the lines 5—5 and 6—6, respectively, Fig. 4.

While the ash receiving assembly may be installed at any suitable or convenient point in the wall of the automobile body, for purposes of exemplification it is herein shown as installed between the inner and outer paneling of a door. Referring to the drawings, the numeral 1 denotes the outer metal panel of an automobile door, and 2 the inner metal panel covered at its inner side by a trim panel 3 composed of sheet cardboard or the like and covered by a suitable fabric 4. As illustrated in Fig. 2, 5 denotes the window opening in the outer panel of the door, 6 the inside window frame and 7 the window glass supported therebetween.

The ash receiver as a whole comprises a shell member 8 and a removable receptacle 9. The shell member has an open vertical face or mouth 10 but otherwise provides a complete closure, being closed at the top, bottom, sides and back. The shell 8 is mounted in a recess 11 in the inner door panel with its open mouth 10 substantially flush with the panel and is held in place by means of the screws 12. The flange 13 surrounds the open mouth of the shell and engages the inner face of the fabric 4 to form a suitable finish.

The receptacle 9 is preferably in the form of a drawer and is open on the top. It is designed to fit within the shell 8 and to entirely fill the lower portion of the interior thereof. As illustrated in the drawings, the receptacle 9 is approximately half the height of the shell

8, so that when in place it partially closes the open face 10, leaving an opening thereabove communicating with the interior of the receptacle.

The receptacle 9 is provided with a handle 14 mounted in a depressed portion 15 in the front face of the receptacle, so that it lies wholly within the plane of the inner panel of the door.

Within the shell horizontal ribs 16 are provided which, together with the bottom of the shell, form a slideway facilitating removing and replacing the receptacle 9 within the shell 8. The ribs 16 may be embossed as illustrated in Fig. 2, or may be stamped out and bent up as shown at 16*a* in Figs. 4 and 5, or may be formed in any other suitable manner. Means are provided for yieldingly retaining the receptacle in the shell and preventing relative movement between said parts which would cause rattling when the receptacle is in place, while permitting removal of said receptacle when necessary. As shown in Figs. 1 to 3, such means comprise registering bosses 17 and 18 on the receptacle and shell, respectively, while in Figs. 4 to 6 is shown a leaf spring 19 projecting through an opening in the shell and engaging a recess 20 in the receptacle.

It will be seen that the ash receiving assembly described herein is adapted to be supported wholly within a wall and to present a front substantially flush therewith. Access may be had to the receiver through the open front 10, and ashes may be removed therefrom by withdrawing the drawer or receptacle 9 horizontally therefrom. The shell 8 provides at all times a complete closure within the wall, preventing the risk of fire in case lighted matches or cigarette ends are thrown therein when the receptacle 9 is removed therefrom.

What I claim is:

1. An ash receiving assembly comprising a shell open on a vertical face and adapted to be set in a side wall of an automobile body with its vertical face substantially flush with the vertical wall, and an ash-receiving drawer open on the top and slidable laterally into and out of the shell and when in place closing the lower part of the vertical face of the shell and leaving the upper part open to provide access from the exterior of the shell to the interior of the drawer when the latter is within the former.

2. An ash receiving assembly comprising a shell open on a vertical face and adapted to be set in a side wall of an automobile body with its vertical face substantially flush with the vertical wall, a horizontal slideway within the shell, a drawer insertable laterally into the slideway, and leaving an opening above said slideway providing access to said drawer, and means for yieldingly retaining the drawer in the shell.

3. An ash receiving assembly comprising a shell open on a vertical face and adapted to be set in a side wall of an automobile body with its vertical face substantially flush with the vertical wall, a slideway within the shell, a drawer insertable laterally into the slideway and leaving an opening above said slideway providing access to said drawer, said drawer having a depressed portion in its front and a handle mounted therein and contained wholly substantially within the plane of the said vertical wall.

4. An ash receiving assembly comprising a hollow shell having an open face, a bodily removable receptacle seated within said shell, horizontal guides on the interior of said shell for aiding in inserting said receptacle into said shell, and interengageable means carried by said receptacle and shell respectively for retaining said receptacle in said shell, said receptacle being open through said open face for the reception of ashes when seated within said shell.

5. An ash receiving assembly comprising a shell shaped to form a closure having an open front face, horizontal guides on the interior of said shell, and a drawer slidably insertable into said shell between said guides and the bottom of said shell, and leaving an opening above said guides providing access to said drawer through said open face.

In testimony whereof I affix my signature.

GEORGE P. DIKE.