Jan. 27, 1970 D. J. HERBERT 3,491,773

CIGARETTE SNUFFER AND MOUNT THEREFOR

Filed March 25, 1968

FIG. 1

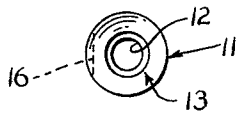


FIG. 2

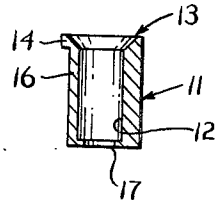


FIG. 3

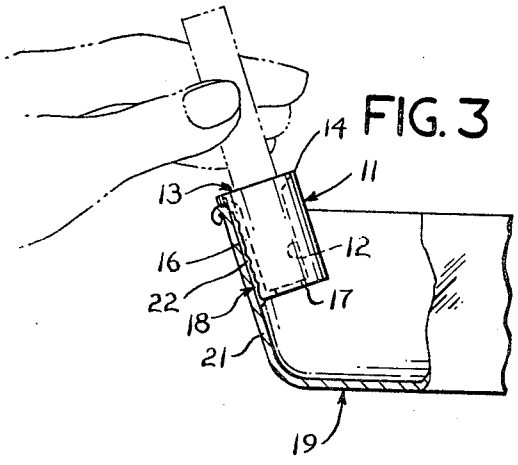


FIG. 4

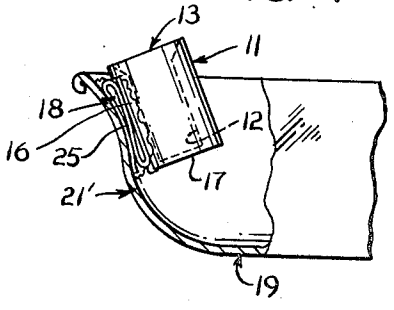


FIG. 5

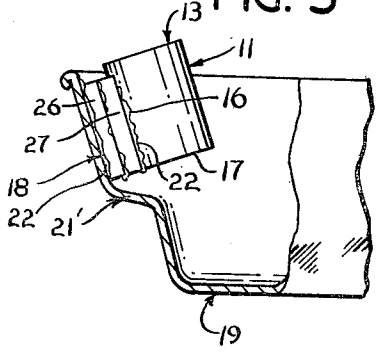
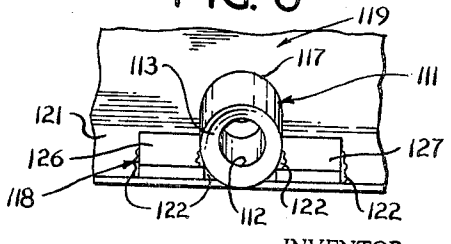


FIG. 6



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CIGARETTE SNUFFER AND MOUNT THEREFOR

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ABSTRACT OF THE DISCLOSURE

An ash tray having a generally vertical wall has one or more hollow cylindrical extinguishers mounted therein and thereon with the aid of an adhesive. In one form, a lateral outer wall portion of the extinguisher is flattened and pasted to the ash tray wall. The flattened portion may be pasted to a folded metal strip which it in turn may be pasted to the ash tray wall, or the flattened portion may be pasted to one or more metal strips or plates pasted together back-to-back, and also to the ash tray wall. If a cylindrical outer wall is used for the extinguisher, it may be placed between two strips or flat plates and against the ash tray wall with the paste being applied between the wall, the plates and the cylindrical surface of the extinguisher.

The invention, in general, relates to means for quickly extinguishing the burning end or butt of a cigarette. More particularly, the invention relates to the combination with an ash tray of a snuffing body cemented to a wall of the tray in a substantially upright position.

Heretofore in the art a number of different types of cigarette snuffers have been devised and marketed, most of which have been associated with an ash tray. In automotive vehicles, the cigarette snuffers largely employed comprise a metal strip spanning the mouth of the ash tray with an enlarged central apertured section of the metal strip serving to receive the burning tip of a cigarette and to extinguish the same. Other prior cigarette snuffers comprise a well underlying a pivotally mounted tray, the well receiving the burning cigarette upon tilting of the tray and serving to snuff out the cigarette when the tray is returned to its initial position overlying the well. Most of these prior cigarette snuffers are disadvantageous, and some are economically prohibitive because of their increased cost of manufacture, since it is difficult to manipulate the pivotally mounted tray with a single hand or to locate the snuffing element especially if one is operating an automotive vehicle. The present invention is directed to a relatively inexpensive cigarette snuffer and mount therefor at one side of an ash tray which is easily accessible with but one hand of the cigarette smoker and which effectively extinguishes a burning cigarette without attendant fumes.

A primary object of the invention is to provide an improved cigarette snuffer and mount therefor which is readily installed in an upright position on the wall of a cigarette tray.

Other objects of the invention, together with some of the advantageous features thereof, will appear from the following description of a preferred embodiment as well as certain modified embodiments of the invention which are illustrated in the accompanying drawings. It is to be understood, however, that I am not to be limited to the precise embodiments shown nor to the arrangement of the various components thereof, as my invention can be embodied in a plurality and variety of forms.

Referring to the drawings:

FIGURE 1 is a top plan view of the snuffer component of a preferred embodiment of the invention.

FIG. 2 is an elevational view of a preferred embodiment of the invention as installed in an ash tray, the latter being shown in cross-section.

FIG. 3 is a fragmentary elevational view of a preferred embodiment of the invention including the snuffer component and mount component as installed, the view illustrating the insertion of a cigarette butt by the single hand into the snuffer component.

FIG. 4 is a fragmentary front elevational view of a modified embodiment of the invention with a modified mount component effecting installation in an ash tray.

FIG. 5 is a view similar to FIG. 4 but with another modified embodiment of the mount component for installation in an ash tray having an irregular wall.

FIG. 6 is a top perspective view of a still further modification of the invention with mount components on opposite sides of a snuffer component adhered to a wall of a cigarette ash tray.

As particularly illustrated in FIGS. 1 to 3 inclusive of the annexed drawings, I provide as the snuffer component of the preferred embodiment of the invention an elongated metal body, generally designated by the reference numeral **11** and fashioned with an axial bore **12** therethrough. The elongated body **11** preferably is fabricated from rust-proof steel but can be formed from aluminum stock coated with chromium or a chromium alloy, or entirely fabricated of chromium or other suitable rust-proof material which is resistant to heat. The body **11** is formed with an annular beveled lip top **13** converging or inwardly and downwardly inclined from its rim **14** and provided with an opening at the center thereof communicating with the top of the bore **12**. This construction of the top **13** of the body **11** serves to guide the burning end of a cigarette to be snuffed into the axial bore **12**, as clearly illustrated in FIG. 3 of the drawings.

In accordance with my present invention, the elongated body **11** preferably is formed to a generally cylindrical shape but is so formed as to provide a flat section **16** thereon extending between the lip top **13** to the bottom **17** of the body. The flat section **16** serves as one element of a mount, generally designated by the reference numeral **18**, for the body **11** within an ash tray **19**. As shown in FIG. 3, wherein an ash tray having a straight inclined wall **21** is illustrated, the mount **18** consists as a second element of a mass **22** of an adhesive cement, such as an epoxy resin, which is disposed between the inclined wall **21** of the ash tray and the flat section **16** of the body **11** and which bonds the body to the ash tray in substantially upright position, as shown in FIG. 3. It is to be understood that the ash tray **19** may be a desk tray or may be a concealed tray mounted pivotally upon the dash-board of an automotive vehicle, not shown, within easy reach of the hand of a cigarette smoker who may desire to snuff out or extinguish the flame of burning tobacco in a cigarette at any moment. The butt end or remainder of the cigarette can be released from the hand upon insertion thereof in the bore **12** of body **11** for retention therein for a few moments, and after the flame has been extinguished it can be removed from the bore **12** and disposed in the tray proper for subsequent removal.

In the event that the cigarette tray is formed with an undulating or irregular wall **21'**, as shown in FIGS. 4 and 5 of the annexed drawings, the mount **18** for the preferred embodiment of snuffer component **11** is formed either of a folded metal strip **25** disposed between the wall **21'** and the flat section **16** of the elongated body **11** with masses **22** of an adhesive cement adhering to both extremities of the metal strip **25** and bonding the same not only to the irregular wall **21'** of the ash tray **19** but also to the flat section **16** of the elongated body **11**. Thus, the cigarette snuffer component **11** is mounted sub-

stantially in an upright position for the reception of a cigarette to be snuffed. In lieu of the folded metal strip **25**, the mount **18** can include as components thereof a pair of metal strips or plates **26** and **27** which are arranged back to back with an outer face of each of said plates bonded by means of a mass **22** of adhesive cement to the irregular wall **21'** of the ash tray **19** and to the flat section **16** of the elongated body or snuffer component **11** of this modified embodiment of the present invention.

While the elongated body **11** of the previously described embodiments of my present invention is formed with a flat section **16** thereon, the modified embodiment of the snuffer component **111** which I have illustrated in FIG. 6 can be fashioned, except for the annular bevel top **113** thereof can be formed to an entirely cylindrical shape extending from the top **113** thereof to the bottom **117** of the body, with an axial bore **112** extending therethrough. The mount, generally designated by the reference numeral **118**, for the modified embodiment of FIG. 6 comprises masses **122** of an adhesive cement together with a pair of metal plates **126** and **127** which are arranged on opposite sides of the elongated body **111** in engagement with the wall **121** of an ash tray **119**. The masses **122** of epoxy resin or other adhesive cement are disposed between the ends of the thus arranged metal plates which lie adjacent to the body **111** as well as upon the opposite ends of such plates **126** and **127** to bond the plates not only to the wall **121** of the ash tray but also to the cylindrical elongated snuffer component **111** of this modification and to hold it between the plates in substantially an upright position for the reception of the burning end or butt of a cigarette.

I claim:

1. A cigarette snuffer and mount therefor comprising, in combination with an ash tray, an elongated body having an axial bore therethrough, a beveled top on said body; said top having a central opening therein coaxial with said bore, a flat section on said body, and a mass of an adhesive on said flat section and on the inner wall of said ash tray bonding said body to said as tray and maintaining said body with its axial bore in substantially upright position within said tray, and a folded metal strip interposed between said flat section of said body and the inner wall of said ash tray, and an adhesive cement on the extremities of said folded strip to bond said body thereto at one extremity of said strip and to bond said strip at its other extremity to the inner wall of said ash tray.

2. A cigarette snuffer and mount therefor comprising, in combination with an ash tray having an irregular bounding wall, an elongated body having an axial bore therethrough for the reception of a lighter cigarette, a flat section on said elongated body, at least one metal plate interposed between said body and said irregular bounding wall of said ash tray, and a mass of an adhesive cement on said flat section of said body and on said irregular bounding wall of said ash tray at the junctures thereof with the outer faces of said metal plate for bonding said elongated body to said irregular bounding wall of said ash tray and to maintain said axial bore of said body in a substantially upright position in said tray.

3. A cigarette snuffer and mount therefor comprising, in combination with an ash tray having an upstanding bounding wall, an elongated body having an axial bore therethrough, a pair of plates disposed in said ash tray on opposite sides of said body, and masses of an adhesive cement on the inner faces of each of said pair of plates bonding said plates to the inner surface of said upstanding wall of said ash tray and on the ends of said plates contiguous to said body bonding said body to said plates and maintaining said axial bore in a substantially upright position in said tray.

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JOSEPH S. REICH, Primary Examiner

U.S. Cl. X.R.

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