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M. BADNER

CIGARETTE EXTINGUISHER AND ASH TRAY

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Inventor

MICHAEL BADNER

By

Patrick J. Beavers

Attorney
UNITED STATES PATENT OFFICE

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CIGARETTE EXTINGUISHER AND ASH TRAY

Michael Badner, Taylor, Pa.

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1 Claim. (Cl. 131—237)

1 The upper collar 12, and the post 14, define a guide for a snuffer plunger 15, this plunger 15 being of cylindrical formation and being closed at its lower end as at 16 to define a Stamper, and coacting with the anvil 10 to snuff out lighted cigarettes when interposed therebetwehen.

The upper portion of the plunger 15 is circumferentially grooved as at 17 and clinched into this is the lower edge portion of cap 18, which forms an abutment for the upper end of a compression spring 19, this spring 19 extending downwardly in the plunger 15 and bearing against a cross pin 20, which has its ends located within openings at diametrically opposite points in the upper collar 12, as is shown in Figure 4 and also in Figure 1.

Extending upwardly at diametrically opposite sides of the plunger 15 are slots 21 through which the end portions of the pin 20 are disposed.

It can now be seen that with the structure assembled in the above manner, the operation is practically patent.

When it is desired to extinguish a cigarette, the lighted end of the cigarette is set upon the anvil 10 and by pushing downwardly on the cap 18, the plunger 15 is driven downwardly and the Stamper 16, pressing against the lighted end of the cigarette, snuffs out the lighted end. The cigarette can then be released and will fall into the ash tray 5. The plunger 15 will be returned to its upward position by the expansion of the spring 19.

A slightly modified form of the invention is shown in Figures 5 and 6. Reference character 50 denotes the ash tray, which has a riser 5a with an anvil top 10a.

A bridge formation 14a supports a collar 12a and a pin 20a corresponding to the pin 20, is disposed through the collar 12a, and through a plunger 15a, corresponding to the plunger 15 (see Figure 3).

The plunger 15a has slots 21a therein, corresponding to the slots 21 shown in Figure 4, and through these slots are disposed the pin 20a. The snuffer is constructed otherwise, strictly in accordance with the sniffer 6, shown in Figure 3, including the spring means.

Therefore, instead of having the connectors or posts 14, the snuffer is supported by the bridge structure 14a, this dispensing with the lower collar 13, as shown in Figure 3.

The operation is the same as described above in connection with the first form of the invention.

While the foregoing description sets forth the
invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to, without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

A device of the character described comprising an ash tray having a centrally disposed integrally formed upwardly extending cylindrical riser provided with a closed top forming an anvil, an arcuate bridge diametrically affixed to the upper edge of said tray and having its central portion vertically spaced from said anvil, a hollow cylindrical guide centrally mounted in said bridge, a hollow plunger vertically slidable in said guide and having a pair of diametrically opposed vertical slots in the lower portion thereof, a transverse pin affixed in the lower portion of said guide and extending through said slots, a handle at the upper end of said plunger, and a compression spring in said plunger interposed between the top side of said pin and the underside of said handle.

MICHAEL BADNER.

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