

UNITED STATES PATENT OFFICE

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CIGARETTE EXTINGUISHER

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2 Claims. (Cl. 131-256)

1

My invention relates to improvements in cigarette extinguishers and ash trays and particularly to the type which may conveniently be carried in suit pockets and purses; and the objects of my invention are, first, to provide an arrangement and construction of a combination cigarette extinguisher and ash tray adapted to extinguish one or more cigarettes substantially instantaneously and to preserve the remainder of the cigarettes without the danger of spoiling them by the accumulation of nicotine which accumulation is common when cigarettes are extinguished by pressure in the presence of air, and further to avoid the partial destruction of the cigarettes which is a common occurrence in the process of extinguishing a cigarette by mechanical means or under pressure; second, to afford facilities for combining a cigarette extinguisher and an ash tray and to produce a device which operates through limitation of oxygen and which serves at the same time as a clean and safe storage space for the unburned portion of the cigarettes after they are extinguished; third, to provide a combination cigarette extinguisher and ash tray for partially burned cigarettes, as above described, and to furnish a convenient storage space for ashes in a place where ash trays are not easily accessible and where cigarette butts may be removed without disturbing the ashes deposited in the ash tray; and fourth, to provide a combination cigarette extinguisher and ash tray from which ashes and partially burned cigarettes can easily be removed and further to construct such a device which is simple, practical, durable and inexpensive and which requires a minimum amount of space for its storage.

I attain these objects by way of the construction illustrated in the accompanying drawing, in which—

Figure 1 is a front elevational view of my invention, partially broken away and in section;

Figure 2 is a vertical sectional view on the line 2-2 of Fig. 1;

Figure 3 is a side elevational view showing my invention in the partially opened position;

Figure 4 is a horizontal sectional view through the hinged upper section of the front door wall on line 4-4 of Fig. 3;

Figure 5 is a view in the perspective showing the lid in a partially opened position.

Similar numerals refer to similar parts throughout the several views.

The combination cigarette extinguisher and ash tray comprises a box-like structure formed by a rectangular bottom part 10, two side walls

2

11 and 12 respectively, and a rear wall 13, joined integrally to the bottom part 10. A lid 14, is pivotally attached by hinge 30, or similar arrangement to the rear wall 13. A front door wall 16, comprises a rectangular stationary lower section 17, integrally joined to the bottom part 10, and the two side walls 11 and 12 respectively, and a rectangular movable upper section 18, pivotally attached by hinge 15, or similar arrangement to the upper edge of the stationary lower section 17.

A clip 19, is formed in the lid 14, at the center of the front edge of said lid, and is designed to fit in closing position tightly over a projection 21, formed in the center near the upper edge 22, of the hinged upper section 18, of the front door wall 16.

A clip 23, is attached to the side wall 12, and is designed to fit tightly over another raised projection 25, formed on the front of the hinged upper section 18, of the front door wall 16, near the side edge which cooperates with the side-wall 12.

A number of abutting semi-cylindrical cavities 26, are rigidly attached to the rear wall 13, and extend longitudinally from the top edge of said rear wall to approximately two-thirds of the length of the rear wall 13.

A corresponding number of abutting semi-cylindrical cavities 27, designed to register with the cavities 26, attached to the rear wall 13, is rigidly affixed to the upper section 18, of the front door wall 16, so as to form in the closed position of said front door wall 16, a series of abutting parallel tubes having an inside diameter approximating that of the average cigarette.

The registering position of the two sets of cavities in the closed position of the upper section 18, of the front door wall 16, is shown in Fig. 2 and Fig. 5 of the drawing.

A receptacle for ashes 28, is formed by the bottom part 10, of the box-like structure, the lower part of the side walls 11 and 12 respectively, the lower portion of the rear wall 13, and the stationary lower section 17, of the front door wall 16, all of which parts may consist of one integral structure.

In use, the case may easily be carried in coat pockets or purse. To deposit ashes in the receptacle 28, provided therefor, the lid 14, is opened, and the ashes are dropped into the receptacle 28, through the tubular openings formed by the registering cavities 26 and 27 respectively, hereinabove referred to.

To extinguish a cigarette, the burning end of

3

the cigarette is inserted into one of the tubular openings formed by the cavities 26 and 27 respectively, the cigarette is then pushed completely into the tube, and the lid is closed. The cigarette will be extinguished almost instantly upon its complete insertion into the tubular opening, and ashes attached to the end of the cigarette will then drop into the receptacle 28.

To remove the unburned portion of the cigarette from the case, the lid 14, is opened by means of clip 19, and the upper section 18, of the front door wall 16, is opened by operating the clip 23. The cigarette may then be removed without difficulty from the semi-cylindrical cavity 26.

It is understood that various changes and modifications may be embodied in my present arrangement without departing from the spirit of my invention as defined in the appended claims.

I claim:

1. In a device of the class described, a receptacle having a front wall and a rear wall, a plurality of longitudinally disposed half-tubes rigidly affixed to the rear wall, a plurality of longitudinally disposed half-tubes hinged to the lower portion of said front wall and rigidly affixed to the upper end portion thereof and registering with the half-tubes of the rear section in the closed position in abutting relation therewith, means closing the openings formed at the top of the tubes when the half-tubes are in registering position and a lower portion forming a space accessible through the abutting longitudinally disposed half-tubes attached to the front wall and rear wall respectively of said upper portion.

4

2. In a device of the class described, a receptacle having an upper portion comprising a front wall and a rear wall having a plurality of longitudinally disposed half-tubes, a second portion having a plurality of longitudinally disposed half-tubes hinged to the front wall and registering with the half-tubes of the rear wall in the closed position in abutting relation therewith, means closing the top openings formed by the tubes when the respective half-tubes are in registering position and a lower portion forming a space accessible through the abutting longitudinally disposed half-tubes attached to the front wall and rear wall respectively of said upper portion.

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