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H. D. EDWARDS
CIGARETTE EXTINGUISHER
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Fig. 1.

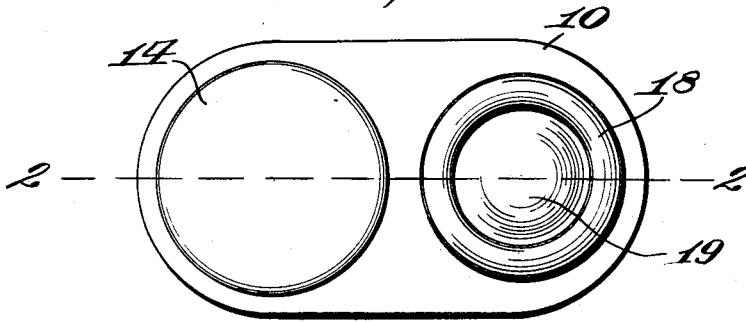


Fig. 2.

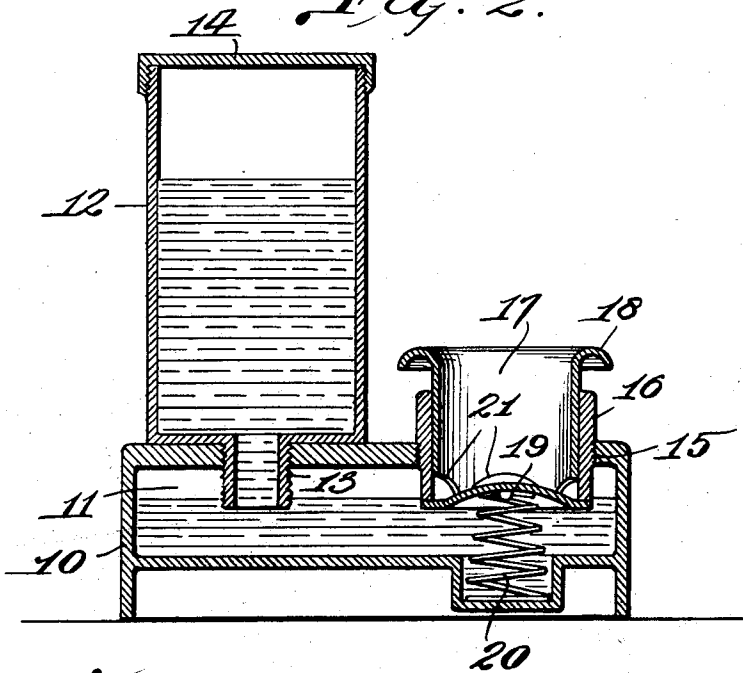
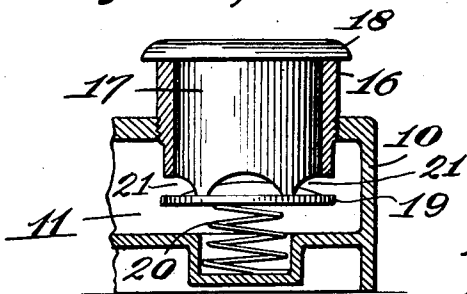


Fig. 3.



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CIGARETTE EXTINGUISHER

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3 Claims. (Cl. 131—51)

My invention relates to a cigarette extinguisher, and has for its principal object the provision of a relatively simple, practical and inexpensive device that may be easily and conveniently used for extinguishing cigarettes and cigars.

A further object of my invention is to provide an extinguisher including a receptacle containing water, into which the lighted ends of cigarettes and cigars are dipped, thereby positively extinguishing the burning ends of the cigarettes and cigars, and at the same time, washing the ashes from the burned ends of the cigarettes and cigars, and which ashes are left in the water container to be later removed when the latter is cleaned.

A further object of my invention is to provide a cigarette extinguisher, the use of which will eliminate the undesirable effects produced as a result of smoke and noxious odors arising from partially extinguished cigarettes, or from the ashes and burnt ends of the cigarettes that are removed by pressing the cigarettes against an ash tray, or the like.

A further object of my invention is to provide a cigarette extinguisher which, when properly shaped and finished, presents a neat, pleasing and ornamental appearance.

With the foregoing and other objects in view my invention consists in certain novel features of construction and arrangements of parts that will be hereinafter more fully described and claimed and illustrated in the accompanying drawing in which:

Fig. 1 is a top plan view of a cigarette extinguisher constructed in accordance with my invention.

Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1.

Fig. 3 is a vertical section of a portion of the extinguisher and showing the valvular member into which the lighted ends of the cigarettes are inserted, in depressed position.

Referring by numerals to the accompanying drawing which illustrates a preferred embodiment of my invention, 10 designates a base which may be cast or pressed from metal or molded from glass, porcelain or the like, and said base being provided with a chamber 11 that is adapted to contain water. This base may be of any convenient size and shape, and its external surface may be decorated and finished so as to present a neat and pleasing appearance.

Mounted on top of the base at one end thereof, is a hollow member 12 that functions as a reservoir for containing the supply of water used in

the extinguisher, and depending from the center of this container or reservoir is a tube 13 that projects through an opening formed in the top of the base, and said tube extends a short distance downwardly into chamber 11. To firmly secure the reservoir on the base, the tube 13 may be externally threaded, and the opening in the top of the base is provided with a complementary thread. The reservoir 12 may be of any desired shape, and it may be formed of metal, glass, porcelain or the like. The upper end of the reservoir is normally closed by a removable cap or cover 14.

Formed in the top of base 10 to the side of the reservoir, is an opening 15 in which is seated a short tubular member 16, that projects a short distance downwardly into chamber 11.

Arranged to slide freely through tubular member 16, is a short tubular member 17, preferably of metal, the upper end of which is provided with an outwardly presented flange 18, that overlies the upper end of tubular member 16.

Secured to the lower end of tubular member 17, is a disc 19, that functions as a valve to engage against and close the lower end of tubular member 16, said disc being arched or made convex in cross-section so that water and ashes will, by gravity, pass outwardly in all directions from the center of said disc, and discharge from the edge thereof.

Secured to the under side of disc 19 is the upper end of an expansion spring 20, the lower end of which rests in a depression or recess that is formed in the bottom of base 10. Thus when tubular member 16 is removed from the base, the tubular member 17, disc 19 and spring 20 that are carried by said member 16 are moved therewith, and such construction simplifies and facilitates the assembly of the device, and also the cleansing or washing out of the chamber 11 in the base.

Formed through the lower portion of the wall of tubular member 17 just above the edge of disc 19, is a series of apertures 21, which when said tubular member is in its normal elevated position, or closed by the lower portion of the wall of member 16, and when said tubular member 17 is moved downward through member 16, these openings 21 are open and communicate with the water containing chamber 11, the latter position being illustrated in Fig. 3.

When my improved cigarette extinguisher is made ready for use, water is delivered into the container 12 and discharges from the lower end thereof, into the chamber 11 in the base, and when the level or surface of the water in the base

risers and closes the lower end of tube 13, additional water delivered into the reservoir thereby furnishing an ample water supply to take the place of the water in chamber 11 that is lost by evaporation, and by being absorbed by the ends of the cigarette or cigars that are inserted in the device to be extinguished.

In extinguishing a cigarette or cigar, the lighted end thereof is inserted downwardly through tubular member 17, and with the same movement the fingers holding the cigarette or cigar engage and press downwardly on flange 18, so as to move tubular member 17 downwardly through member 16, with the result that the disc 19 moves downwardly away from the lower end of member 16, to a point below the level of the body of water within chamber 11, and water will pass through the openings 21 and thereby extinguish the lighted end of the cigarette or cigar that occupies a position upon or directly above disc 19.

When the pressure on the upper end of tubular member 17 is relieved, spring 20 acts to immediately elevate disc 19 and member 17, and the water containing the ashes that have been washed from the extinguished cigarette or cigar will, during the upward movement of disc 19, pass outwardly over the arched central portion thereof and discharge over the edge of said disc, thus leaving the upper surface of said disc comparatively clean.

From time to time, the extinguisher may be cleansed, and to facilitate such operation, the tubular member 16 carrying member 17, disc 19 and spring 20 are removed from the base 10, and by removing the cap or cover 14 from the reservoir, water may be flushed freely through the reservoir and the chamber in the base, thereby thoroughly cleansing the same.

Thus it will be seen that I have provided an extinguisher for cigarettes and cigars that is relatively simple in construction, inexpensive of manufacture and very effective in performing the functions for which it is intended.

The base portion of the extinguisher and the reservoir may be shaped, decorated and finished so as to present a neat and pleasing appearance, and thus the device may serve as a useful and decorative article on tables, sideboards, smoking stands and the like.

It will be understood that minor changes in the size, form, and construction of the various parts of my improved cigarette extinguisher may be made and substituted for those herein shown and described without departing from the spirit of the invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. In a cigarette extinguisher, a base provided with a chamber adapted to contain water, an open ended tubular member seated in said base and extending downwardly into the water chamber therein and a valvular member arranged for sliding movement through said tubular member and adapted to close the lower end thereof.

2. In a cigarette extinguisher, a base provided with a chamber adapted to contain water, an open-ended tubular member mounted on the upper portion of said base and extending downwardly into the water chamber therein, a valvular member arranged for sliding movement through said tubular member, a disc carried by the lower end of said valvular member and adapted to engage the lower end of said tubular member, a spring arranged beneath said disc for yieldingly resisting the downward movement of said disc and tubular member and there being openings formed in the valvular member above said disc.

3. In a cigarette extinguisher, a base provided with a chamber adapted to contain water, an open-ended tubular member mounted on the upper portion of said base and extending downwardly into the water chamber therein, a tubular member arranged for sliding movement through said open ended tubular member, a disc carried by the lower end of said second mentioned tubular member and adapted to engage the lower end of said open ended tubular member, a spring arranged beneath said disc for yieldingly resisting the downward movement of said disc and said second mentioned tubular member, there being openings formed through the wall of the second mentioned tubular member immediately above said disc and a reservoir mounted on said base and having communication with the water chamber therein.

HARRY D. EDWARDS.