June 24, 1930. D. J. NEE 1,767,092

CIGARETTE EXTINGUISHER

Filed June 26, 1928

FIG. 1.

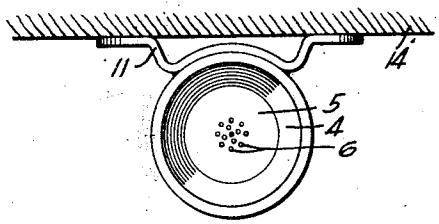
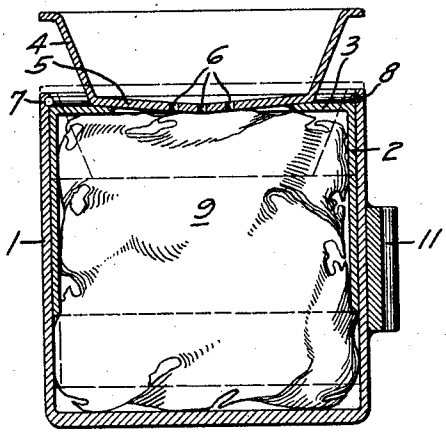


FIG. 3.



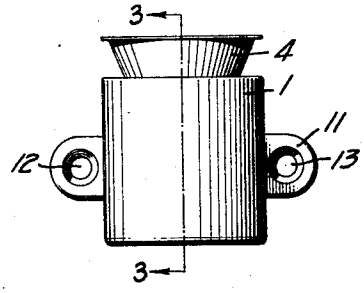
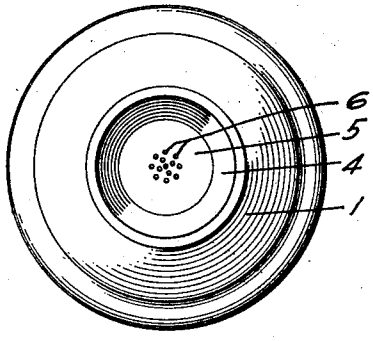


FIG. 2.

FIG. 5.



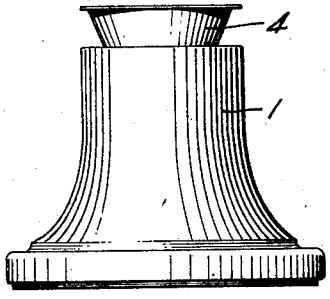


FIG. 4.

INVENTOR
Daniel J. Nee
BY
White, Frost & Fryer
ATTORNEYS

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UNITED STATES PATENT OFFICE

DANIEL J. NEE, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-THIRD TO JAMES P. CALLAHAN AND ONE-THIRD TO WILLIAM F. PRINGLE

CIGARETTE EXTINGUISHER

Application filed June 26, 1928. Serial No. 288,415.

Ordinarily cigarettes and cigars are extinguished by being smothered. This is done by either pressing the burning end of the cigarette or cigar tightly against an ash tray, by stepping on the cigarette or cigar butt or by squeezing the end of the cigarette or cigar by means of a mechanical snuffer all of which methods tend to cut off the oxygen supply. However, all of these methods have proved more or less unsatisfactory inasmuch as the smothering action is only momentary, and as soon as the pressure is released, oxygen is allowed to reach the end of the cigarette or cigar, a portion of which is still burning, thereby permitting the cigarette or cigar to continue to smolder. Needless to say, a smoldering cigarette or cigar is of considerable annoyance.

In general it is the object of this invention to provide a cigarette extinguisher which makes use of water or other non-combustible liquid for smothering a cigarette or cigar.

More specifically, the object of my invention is to provide a cigarette extinguisher comprising a well, a sponge within said well and a perforated cup supported by said sponge and adapted to slide within said well.

The invention possesses other advantageous features, some of which with the foregoing will be set forth at length in the following description where I shall outline in full that form of my invention, which I have selected for illustration in the drawings accompanying and forming part of the present specification. In said drawings I have shown one form of my invention, but it is to be understood that I do not limit myself to such form since the invention, as set forth in the claims, may be embodied in a plurality of forms.

Referring to the drawings:

Fig. 1 is a top plan view of my device.

Fig. 2 is a front elevation.

Fig. 3 is an enlarged vertical section taken on the line 3—3 of Fig. 2.

Fig. 4 is an elevational view of a modified form of the device.

Fig. 5 is a top plan view of the modification shown in Fig. 4.

My invention contemplates the use of a container or well 1 in which a plunger 2 is adapted to slide. Supported on the closed end 3 of the plunger 2 is a cup 4 provided in its bottom 5 with a plurality of perforations 6. In order to limit the upward movement of the plunger 2, the upper end of the well 1 is provided with an annular groove 7, in which a wire ring 8 is adapted to be sprung. Any other suitable means may of course be used to accomplish this purpose, as for instance merely turning over the upper edge of the well 1. Enclosed within the variable space defined by the well 1 and plunger 2 is a sponge 9 which serves two functions, first, to retain a certain amount of water and second, due to its expansible characteristic, to maintain the plunger 2 in its extended position.

In the modification shown in Figs. 1, 2, and 3, the well 1 has been provided with a bracket 11, provided with apertures 12 and 13 by which it may be secured to any desired wall 14. This form is particularly suitable for use in vehicles and public buildings. As shown in Figs. 4 and 5, the well 1 has been provided with an outwardly flaring base which, if desired, may be weighted so as to prevent it from being tipped over. This form is adapted for use on a table.

An explanation of the operation of this device is hardly necessary. The sponge 9 is saturated with water or other non-combustible liquid. When it is desired to extinguish a cigar or cigarette, a slight downward pressure is exerted on any portion of the cup 4, thereby depressing the plunger 2 and squeezing a slight amount of water from the sponge 9 up thru the apertures 6 into the lower dish-shaped portion of the cup 4. The cigarette or cigar to be extinguished is then merely immersed in the water occupying the lower part of the cup 4. As soon as the pressure on the cup 4 is released, the expansion of the sponge 9 is sufficient to return the plunger 2 to its extended position. At the same time the sponge 9 serves to draw all the water out from the cup 4.

The device above described, effectively extinguishes a cigarette, normally encloses

all of the extinguishing medium and presents a neat and trim appearance.

I claim:

1. A cigarette extinguisher comprising a well, a sponge contained in said well, a hollow plunger slidably fitting within the well inverted over and embracing the sponge, and an upstanding cup secured to the upper end of the plunger and the bottom of the cup having perforations extending to the sponge space.

2. A cigarette extinguisher comprising a well, a cup at the top of the well having a perforated bottom, means guiding said cup for vertical movement and prevent tipping of the cup, a sponge within the cup resiliently forcing same upward, and means limiting the upward movement of the cup.

3. A cigarette extinguisher comprising a well, a cup at the top of the well having a perforated bottom and mounted so as to be movable up and down, means resiliently forcing the cup upward, and said cup provided with an upper flange overhanging the cup for limiting its downward movement.

4. A cigarette extinguisher comprising a well, a cup at the top of the well having a perforated bottom and mounted so as to be movable up and down, means resiliently forcing the cup upward, and means forcing water from the well into the cup as the cup is moved downward.

In testimony whereof, I have hereunto set my hand.

DANIEL J. NEE.