

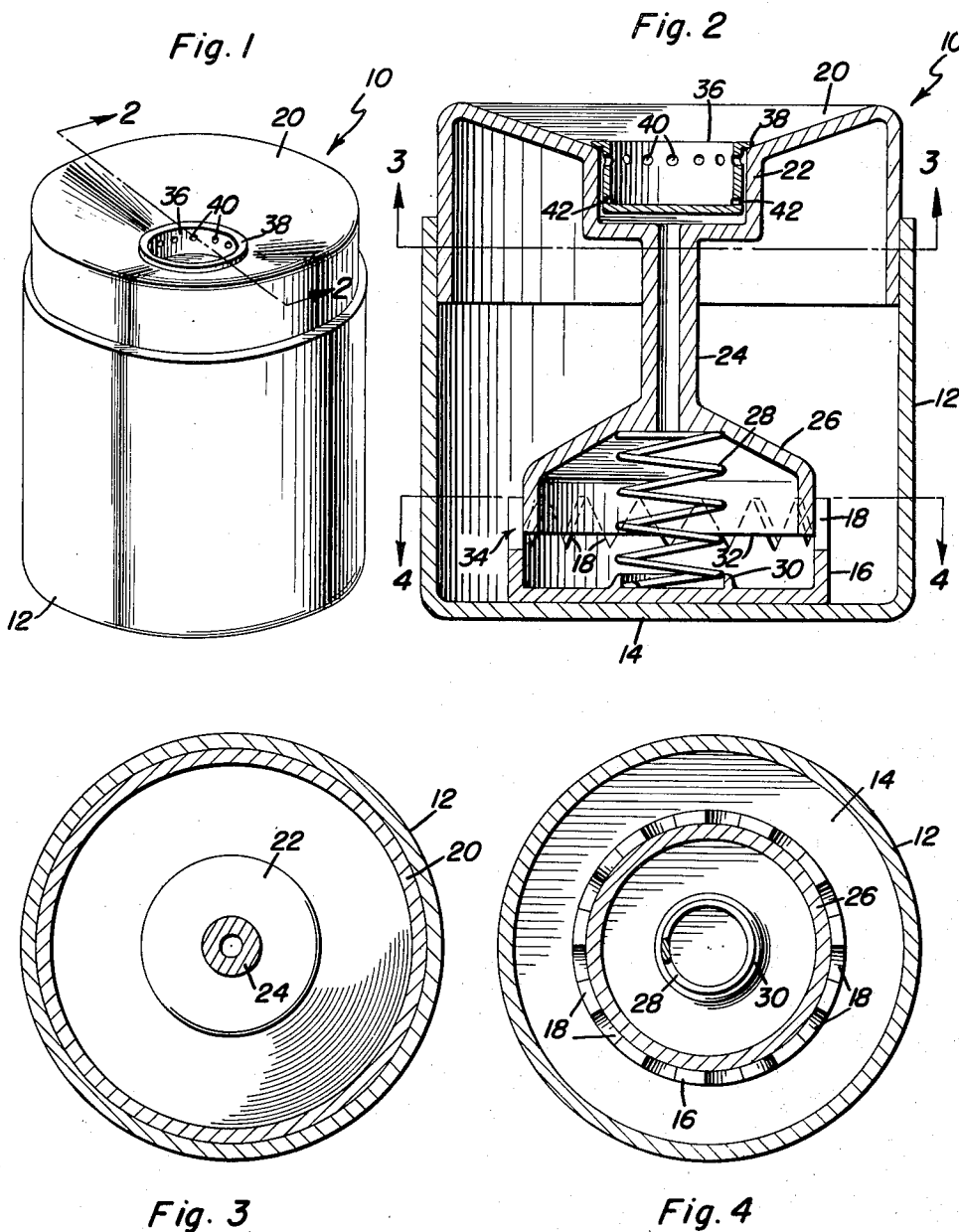
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CIGARETTE EXTINGUISHING DEVICE

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CIGARETTE EXTINGUISHING DEVICE

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1 Claim. (Cl. 131-256)

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This invention relates to new and useful improvements and structural refinements in ash trays, and the principal object of the invention is to provide a convenient ash receptacle and to afford means for quickly, positively and safely extinguishing cigars and cigarettes.

This object is achieved by depositing ashes and cigars or cigarettes which are to be extinguished into a receptacle containing a quantity of liquid such as water, an important feature of the invention residing in the provision of means for replenishing the supply of water in the receptacle so as to assure that an adequate supply thereof is available each time the invention is used.

Some of the advantages of the invention reside in its simplicity of construction, in its efficient, dependable and sanitary operation, in its pleasing appearance, and in its adaptability to economical manufacture.

With the above more important objects and features in view, and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the invention;

Figure 2 is a vertical sectional view thereof, taken substantially in the plane of the line 2—2 in Figure 1;

Figure 3 is a transverse sectional view, taken substantially in the plane of the line 3—3 in Figure 2; and

Figure 4 is a transverse sectional view, taken substantially in the plane of the line 4—4 in Figure 2.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a cigar and cigarette extinguishing device which is designated generally by the reference character 10 and embodies in its construction a cup-shaped container 12 which is adapted to receive therein a quantity of liquid such as water and is provided on the bottom 14 thereof with a relatively smaller cup 16 which, in turn, has a notched upper edge portion so as to afford a plurality of passages 18 whereby the liquid in the container 12 may enter the cup, as will be clearly apparent.

An inverted dome-shaped cover 20 is slidably telescoped in the upper portion of the container 12 and has a conical upper wall which slants in-

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wardly toward a depressed portion 22 at the center of the cover. This depressed portion affords what may be called a well, designated by the same reference numeral 22, and it will be observed that a hollow, substantially tubular extension 24 extends downwardly from the well and communicates at its upper end with the latter. The lower end portion of the extension 24 is enlarged so as to provide a bell-shaped pump member 26, the latter being slidable in the cup 16 concurrently with the sliding of the cover 20 in the container 12.

A suitable compression spring 28 is positioned between the cup 16 and the pump member 26, the bottom of the cup 16 preferably being provided with an annular seat 30 for the spring, as shown.

The spring 28 is of such length that when it is fully expanded it sustains the cover 20 and the associated pump member 26 in such a position that the lower edge 32 of the pump member is disposed above the lower edges of the passages 18, so that liquid in the container 12 may enter the cup 16, as indicated at 34 in Figure 2. However, when the cover 20 is pressed downwardly into the container 12 so as to compress the spring 28, the pump member 26 will slide downwardly in the cup 16, thus closing the passages 18 and further downward movement of the pump member 26 will force the liquid entrapped in the cup and in the pump member upwardly through the extension 24 into the well 22, it being appreciated that the dimensions of the pump assembly are herein shown out of proportion only for the sake of clarity of the drawings. Initially the container 12 is filled with an adequate quantity of water to cover the pump member 26 so that a sufficient quantity of water will be trapped at the outset of depression of said pump member and rise in the extension 24 to the well 22, upon completion of the depression stroke.

A liquid receptacle 36, provided at its upper edge with an outturned flange 38, is removably positioned in the well 22 and is formed adjacent the upper edge thereof with a plurality of liquid inlet apertures 40, so that when the cover 20 is depressed and the liquid rises into the well 22, said liquid may enter the receptacle 36 and will remain entrapped therein, at least temporarily, even though the cover 20 is permitted to return to its upper position by the action of the spring 28.

In operation, the cover 20 is depressed and liquid is thereby forced upwardly through the tube 24 and into the well 22 wherein orifices 42 in the bottom portion of receptacle 36 will per-

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mit liquid to enter the receptacle slowly, filling the same to such a point that the liquid level will be above or substantially at the inlet apertures 40 allowing water to enter therethrough to substantially completely fill the receptacle. At this point, the cover 20 may be released.

Cigars or cigarettes may then be quickly and positively extinguished by simply inserting them in the liquid in the receptacle 36, it being appreciated that the provision of the orifices 42 10 allows the liquid in the receptacle to drain back at a slow rate which varies with the height of the liquid in the receptacle, into the well 22 and into the cup 16 when the invention is not in use.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown 20 and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed. 25

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

In a cigarette extinguishing device including a container for liquid and pumping means therein, 30 the combination of a cover for said container provided at the center thereof with a central

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cylindrical well and having an upper surface sloping toward said well, said well having a perimetric side wall and a bottom provided with a central opening communicating with said pumping means, and a cylindrical cigarette extinguishing receptacle positioned in said well and including a perimetric side wall and a bottom wall spaced from the respective side wall and bottom of the well, and an outturned annular 10 flange provided at the upper edge of the side wall of the receptacle and seated on the sloping upper surface of said cover, the side wall of said receptacle being provided with a plurality of liquid inlet apertures disposed adjacent said flange and with a plurality of orifices disposed adjacent the bottom of the receptacle, said apertures and orifices communicating with the space between the respective side walls of the receptacle and of said well.

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