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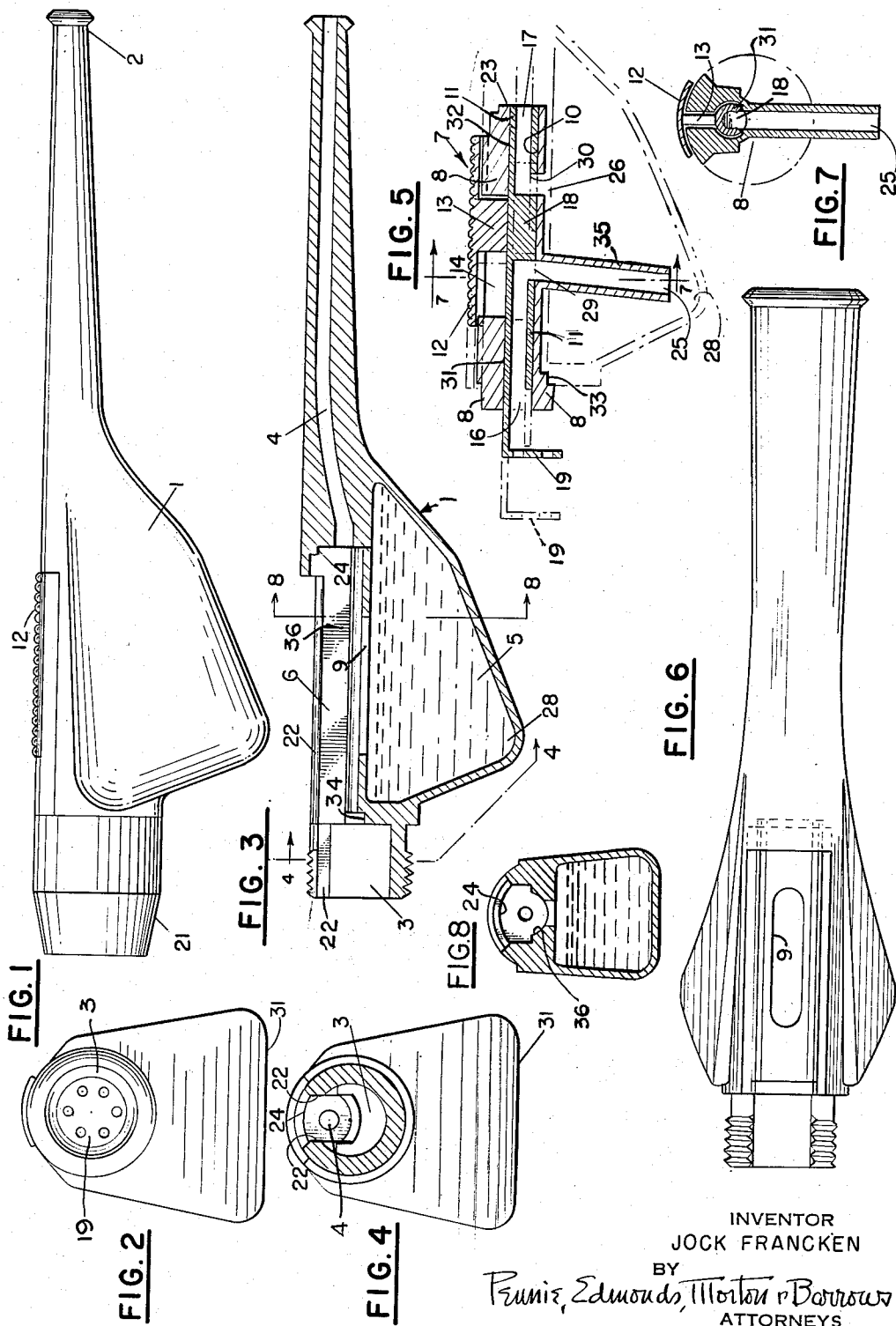
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2,672,872

CIGARETTE HOLDER WITH FILTER

Filed April 19, 1950

2 Sheets-Sheet 1



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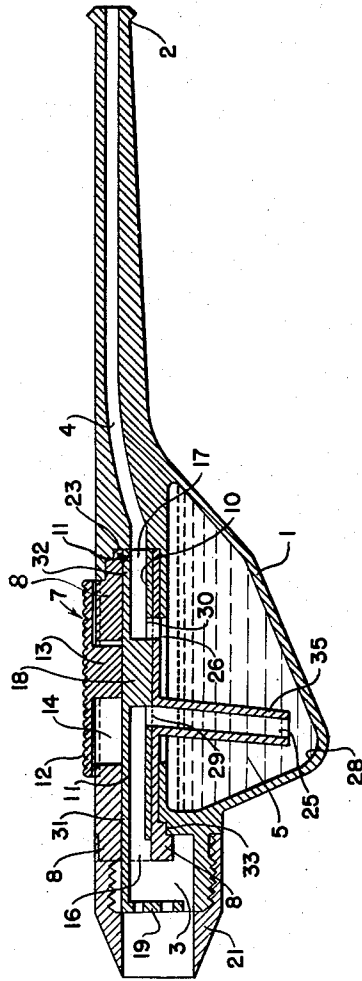
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**FIG. 9**



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## CIGARETTE HOLDER WITH FILTER

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4 Claims. (Cl. 131-173)

1

This invention relates to cigarette holders and has for its object the provision of an improved cigarette holder comprising liquid means for filtering the smoke. More particularly, the invention provides a cigarette holder having a reservoir for a liquid filtering medium, passage means for the flow of smoke from the cigarette through the reservoir to the smoker, and valve means to open the passage means for the flow of smoke and to close the passage means to prevent spillage of liquid when the holder is being carried and not in use.

In a preferred embodiment of the invention, the holder comprises a slide means for ejecting the cigarette and a connected valve member which opens and closes the smoke passage means to the reservoir. The passage means comprises an inlet passage leading to the reservoir and an outlet passage leading from the reservoir and ports, which the valve member opens and closes. I prefer to provide a slide means comprising an ejector-valve combination which is removably attached to the holder to facilitate cleaning and filling with liquid. In one of its more complete embodiments, the holder comprises a holder body having a relatively wide flat base so that it may be set on any flat surface without tipping, a relatively deep part in the reservoir for the liquid, and a duct leading from the inlet passage to the deep part so that the smoke must pass through a relatively deep body of liquid before it passes to the smoker.

The invention preferably provides a holder body in the form of a unitary structure comprising the reservoir, a mouthpiece or bit and a receiver for the cigarette. A recess is preferably formed in the upper part of the holder body in which the slide means including the ejector and valve member are mounted. A collar may be removably attached to the end of the holder body to hold the slide means and its connected ejector and valve member in position, and also to receive the cigarette.

These and other objects of the invention will be better understood after considering the following discussion taken in conjunction with the accompanying drawings, in which:

Fig. 1 is a side view of a cigarette holder of the invention;

Fig. 2 is an end view of Fig. 1;

Fig. 3 is a vertical section of the body of the cigarette holder shown in Fig. 1;

Fig. 4 is a sectional view at 4-4 of Fig. 3;

Fig. 5 is a fragmentary sectional view of the slide means of the ejector and valve member;

2

Fig. 6 is a plan view of Fig. 3;

Fig. 7 is a view at 7-7 of the cigarette holder body shown in Fig. 5;

Fig. 8 is a sectional view at 8-8 of Fig. 3, and,

Fig. 9 is a vertical transverse section of the cigarette holder shown in Fig. 1.

The cigarette holder illustrated in the drawings comprises a holder body 1, preferably in the form of a unitary structure formed of metal or any suitable plastic material, having at one end a mouthpiece 2, at the opposite end an opening or receiver 3 for a cigarette, a duct or passage 4 for the smoke, and a depending reservoir 5 for receiving a body of filtering liquid, such as water. The upper portion of the holder body has a recess 6, as shown in Fig. 3, in which is mounted the slide means or assembly 7 embodying an ejector-valve combination which is shown in Fig. 5. The ejector-valve combination comprises a base member 8 which fits directly over the opening 9 in the top of the reservoir. The cylindrical bore hole 10 in the base member 8 has a valve member 11 slidably mounted therein. The knurled or roughened thumb piece 12 is connected by means of the integral guide block 13 to the valve member 11 as by welding and the guide block 13 is slidable in the slot 14 in base member 8. The valve member 11 can be slid back and forth in the bore 10 by means of the thumb piece 12. The valve member has a passageway 16 in the end position 31 and another passageway 17 in the end portion 32, the two passageways being interrupted by an intermediate portion of solid material 18. In other words, part 18 is not bored out as are the passages 16 and 17. It is solid and slidable in bore 10. One end of the valve member carries a laterally disposed and perforated disk 19 which is proportioned to be inserted into the receiver 3. It will be noted that the recess 6 extends through the exteriorly threaded receiver 3 and that the slide assembly 7 comprising base member 8, valve member 11, thumb piece 12, and the guide block 13, may be inserted into the recess from the left, as viewed in Fig. 3. Moreover, the parallel upper side edges 22 serve to secure the base member in proper alignment. The innermost projecting end portion 23 of the base member fits under the shoulder 24 in the holder body and the inner end of the slide means is thereby secured in position. The shoulder 33 on member 8 makes seating contact with the recess 34 on body 1, when the ejector is retracted as shown in Fig. 9. The slide means 7 is held in its assembled position by the collar 21 which fits over the end of member 8 when it is screwed over the

3

receiver end 3. The base member 8 has a depending inlet duct 25 and an outlet port 26 both of which lie within the confines of the opening 9. The edge 36 in the recess 6 is shown in Fig. 3 as line 36.

As best shown in Fig. 5, the reservoir has a relatively deep portion 28 into which the duct 25 is inserted. The duct 25 makes coincident engagement with the port 29 of passageway 16, and port 26 makes coincident engagement with port 30 of passageway 17 when the slide means 7 is set in the position for smoking shown in Fig. 5. As best shown in Figs. 2 and 4, the reservoir portion of the holder body has a relatively wide base 31 by means of which the cigarette holder is maintained in an upright position when placed upon any flat surface.

In using the cigarette holder of the invention, the thumb piece 12 is shifted towards the right, as shown in Fig. 1, in which case the ejector plate 19 occupies the position shown in full lines in Fig. 5, and a cigarette may accordingly be inserted into the receiver 3. In this position, port 29 of the passageway 16 effects coincident engagement with the opening of duct 25 and the port 30 of passageway 17 makes coincident engagement with port 26 of the base member, thereby establishing a continuous passageway for the flow of smoke during the smoking process from the cigarette through the filtering liquid in the reservoir 5 and to the smoker. When the cigarette has been finished, the thumb piece 12 is shifted in the opposite direction (towards the left as shown in Fig. 1) which movement shifts the valve member and the ejector to the position shown in broken lines in Fig. 5, whereby the cigarette is ejected from the holder and the ports 26 and 29 are closed by the valve member. The cigarette holder may accordingly be placed in one's pocket or pocketbook and carried without the liquid being spilled out of the reservoir.

A convenient way to fill the reservoir with the filtering liquid is to remove the collar 21, lift the ejector-valve combination out of the recess 6 and pour the liquid into the reservoir 5 through the opening 9. When the cigarette holder is thus disassembled, the interior is readily accessible for cleaning.

#### I claim:

1. A cigarette holder comprising a unitary holder body having a reservoir for a filtering liquid and inlet and outlet passages for the flow of smoke from the cigarette through the reservoir and to the smoker, an ejector for a cigarette

4

slidably mounted in the body, a valve means for opening and closing the passages slidably mounted in the body, and hand means on the exterior of the body for operating both the ejector and valve means simultaneously, whereby liquid is confined in the reservoir when the valve means are closed.

2. A cigarette holder comprising a holder body having a reservoir for a filtering liquid, inlet and outlet passages for the flow of smoke through the reservoir, a duct leading from the inlet passage to the lower part of the reservoir, said body having a recess disposed above the reservoir, a slide means mounted in the recess having an ejector for a cigarette and a valve member for closing the passages when the cigarette is ejected and opening the passages when the cigarette is inserted in said holder body.

3. A cigarette holder according to claim 2, and a collar removably attached to one end of the holder body for receiving a cigarette and also for securing the slide means in position.

4. A cigarette holder comprising a reservoir for a liquid filter, means in the holder for receiving a cigarette to be smoked, passage means in the holder for the flow of smoke from a cigarette through the liquid in the reservoir to the smoker, a valve member slidably mounted in a space above the reservoir for opening the passage means for the flow of smoke and closing the passage means to confine the liquid in the reservoir, ejector means for ejecting the cigarette from the cigarette receiving means, said ejector means being operatively connected to the valve member, and a thumb piece slidably mounted on the outside of the holder and connected to the valve member, whereby both the valve member and the ejector can be operated simultaneously as a unitary slide member by means of the thumb piece.

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