Dec. 27, 1932. F. L. WARNKE 1,892,324

SMOKING PIPE

Filed May 29, 1929

Fig. 1.

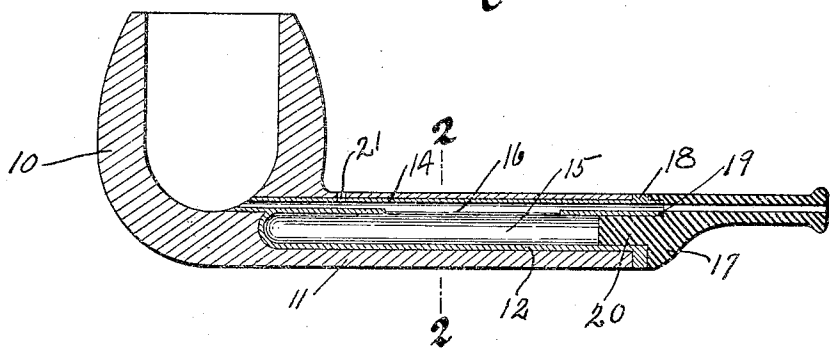


Fig. 2.

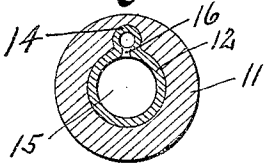
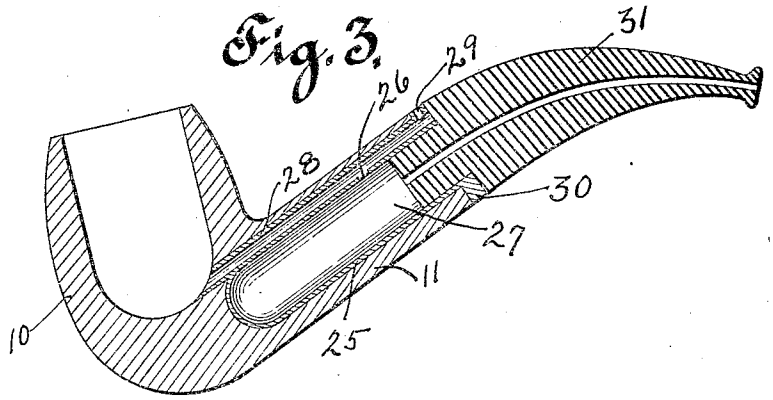


Fig. 3.



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SMOKING PIPE

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This invention relates to smoking pipes and in particular to a pipe having means for preventing moisture forming in the lower portions of the tobacco cavity of the bowl and also for preventing liquids formed during smoking from entering the mouth of the user.

An object of the present invention is to provide an improved form of nicotine retaining receptacle inserted in the stem or shank formed on the bowl of the pipe and extending from the tobacco cavity of the bowl to the free end of the shank so that the smoke after leaving the bowl will be constantly in contact with metal until it reaches the mouthpiece of the pipe.

Another object of the invention is to provide a nicotine retaining receptacle for tobacco pipes having a continuous metal smoke conduit from the tobacco cavity of the bowl to the free end of the stem or shank communicating at an elevated point with a cavity in the receptacle into which liquids formed during smoking may be retained and prevented from entering the mouth of the user.

A still further object of the invention is to provide a receptacle for insertion in the shank extending from the bowl of a smoking pipe and closely fitting a recess provided therefor in the shank so that there will be no open space within the pipe except the principal cavity in which liquids may be lodged and from which they can be readily removed.

Another object of the invention is to provide a small air vent leading into the passage through the smoke conduit so that smoke coming from the pipe bowl may come in contact with a small amount of air admitted through the vent so that it will be materially chilled and have its moisture condensed and retained within a suitable cavity formed in the receptacle.

With these and other objects in view my invention includes the features of construction and operation set forth in the following specification and illustrated in the accompanying drawing.

In the accompanying drawing annexed hereto and forming a part of this specification I have shown my invention embodied in the two different types of pipes of conventional outline, but it will be understood that the invention can be otherwise embodied and that the drawing is not to be construed as defining or limiting the scope of the invention, the claims appended to this specification being relied upon for that purpose.

In the drawing—

Fig. 1 is a longitudinal sectional view of one form of pipe provided with the present invention;

Fig. 2 is a cross sectional view taken upon the line 2—2 of Fig. 1; and

Fig. 3 is a longitudinal sectional view similar to Fig. 1 showing another form of the invention.

In the above mentioned drawing I have shown two embodiments of the invention which are now deemed preferable, but it is to be understood that changes and modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

Briefly, and in its broadest aspect, my invention may include a conventional form of smoking pipe the shank, or extension from the bowl of which is suitably recessed to contain a receptacle within which liquids such as nicotine and other noxious fluids may be condensed from the smoke after it leaves the bowl and before reaching the mouth of the user. After being condensed the fluids are retained within the receptacle. In one form of the invention in which a pipe having a straight stem is employed the smoke passage through the conduit extending from the tobacco cavity of the bowl has an elongated opening through which moisture may drop into the receptacle and be prevented from entering the mouthpiece. In another preferred

form of the invention in which a curved stem is employed the smoke passage provided in a part of the receptacle has a small opening into the receptacle at an elevated point from which the moisture and liquids condensed from the smoke may be deposited within the cavity of the receptacle. Both embodiments of the invention are provided with a small air vent leading into the smoke passage from a predetermined point so that the smoke may be partially chilled by being mixed with cool air entering the passage before entering the cavity within the receptacle.

Referring more in detail to the figures of the drawing I provide a bowl 10 having the usual integral stem or extension 11 within the outer end of which may be inserted a suitable mouthpiece 17. The stem or extension 11 is recessed as shown substantially throughout its length and has a reduced opening extending from the inner end of the recessed portion leading into the tobacco cavity of the bowl.

Closely fitting this recess is a special form of receptacle 12 preferably made of a light metal such as aluminum, but any other metal or impervious material may be employed. This receptacle 12 as shown has a smoke conduit 14 extending from end to end through which is bored a smoke passage the inner end of this conduit extends directly into the tobacco cavity of the bowl 10 so that immediately upon leaving the tobacco cavity the smoke enters a metallic or non-porous and non-absorbent conduit. By this construction absorption of elements of the smoke by the wood of the bowl is prevented. The smoke entering the smoke passage within the conduit 14 is allowed to enter a cavity 15 within the receptacle 12 through an elongated opening 16 from the smoke passage into the lower portion of the receptacle in which the cavity 15 is formed so that the smoke may condense and precipitate nicotine and other obnoxious liquids therefrom into the cavity. The dryer and non-condensable elements of the smoke may thereafter be drawn through an outer portion of the smoke passage forming a continuation of the passage from the bowl 10 and into the detachable stem or mouthpiece 17.

In the form of the invention illustrated in Fig. 1 the receptacle 12 has a flange 18 upon its outer end closely engaging the end surface of the stem 11 and beyond this flange 18 extends a small extension 19 of the smoke conduit 14 also bored as is clearly shown in Fig. 1. The detachable mouthpiece 17 has a solid plug 20 entering and completely closing the outer end of the cavity 15 in the receptacle 12. Also in Fig. 1 is shown a small vent 21 into the smoke passage of conduit 14 closely adjacent the bowl 10 and permitting air to enter the smoke passage in the conduit and mingle with the smoke from the bowl 10 at a point prior to where the smoke enters the cavity 15 in the receptacle 12.

In the form of the invention illustrated in Fig. 3 the receptacle 25 is slightly modified in that the opening 26 between the cavity 27 within the receptacle 25 and the passage through the smoke conduit 28 is at an elevating point and may be substantially circular as shown in this sectional view. Also the vent 29 is at the outer end of the receptacle 25 preferably extending outwardly through the flange 30, the smoke passage in the conduit 28 being continued from end to end in this form of the invention. The detachable stem or mouthpiece 31 is provided with a passage as usually found in pipe stems and fits within the free open end of the receptacle 25.

I claim:

1. A smoking pipe comprising in combination, a bowl having a stem extension thereon, a nicotine retaining receptacle inserted within a recess within said extension, said receptacle having an enlarged cavity extending to and open at the free end of said extension, said receptacle also having a continuous passage from end to end, one end thereof entering the cavity within the bowl, means to admit a limited quantity of air to said passage, communicating means between said passage and cavity, and a mouthpiece inserted within the cavity of said receptacle having an opening extending therethrough and communicating with said passage and cavity and having a shoulder closing the outer end of said passage.

2. A smoking pipe comprising in combination, a bowl having a stem extension thereon, a nicotine retaining receptacle inserted within a recess within said extension and abutting the end of said extension, said receptacle provided with an enlarged cavity extending to and open at the free end of said extension, said receptacle also having a continuous passage from end to end, one end thereof entering the cavity within the bowl, communicating means between said passage and cavity, means to admit a limited quantity of air to said passage at a point between said bowl and said cavity, and a mouthpiece inserted within the cavity of said receptacle having an opening extending therethrough and communicating with said passage and cavity and having a shoulder closing the outer end of said passage.

3. A curved stem smoking pipe comprising in combination, a bowl having a stem extension thereon at an acute angle to said bowl, a nicotine retaining receptacle inserted within a recess within said extension, said receptacle having an enlarged cavity extending obliquely upward from said bowl to the free end of said extension, said receptacle also having a continuous passage from end to end, one end thereof entering the cavity

within the bowl, communicating means between said cavity and passage at an elevated portion of said cavity, means to admit a limited quantity of air to said passage at an elevated portion thereof, and a mouthpiece inserted within the cavity of said receptacle and having an opening extending therethrough and having a shoulder closing the outer end of said passage, whereby smoke mixed with limited quantities of air may be drawn from said bowl through portions of said passage and from the cavity within said receptacle.

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