R. L. HUSTIS.

SMOKING PIPE.

APPLICATION FILED OCT. 21, 1907.

909,903. Patented Jan. 19, 1909.

FIG. 1.

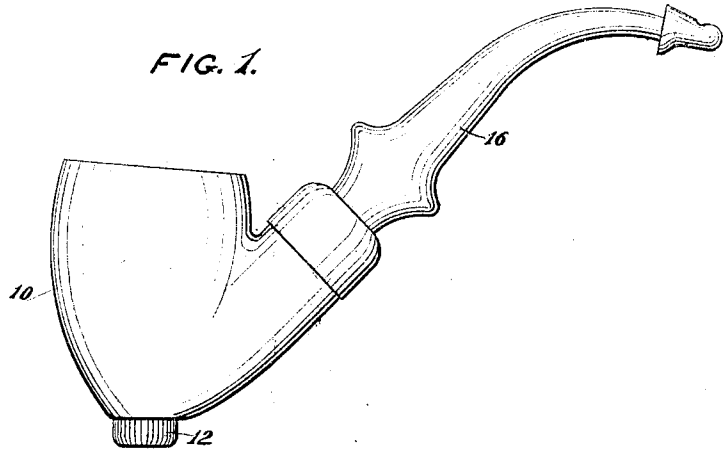


FIG. 6.

FIG. 4.

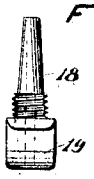


FIG. 3.

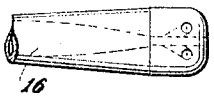


FIG. 7.

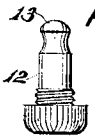


FIG. 5.

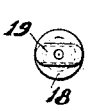
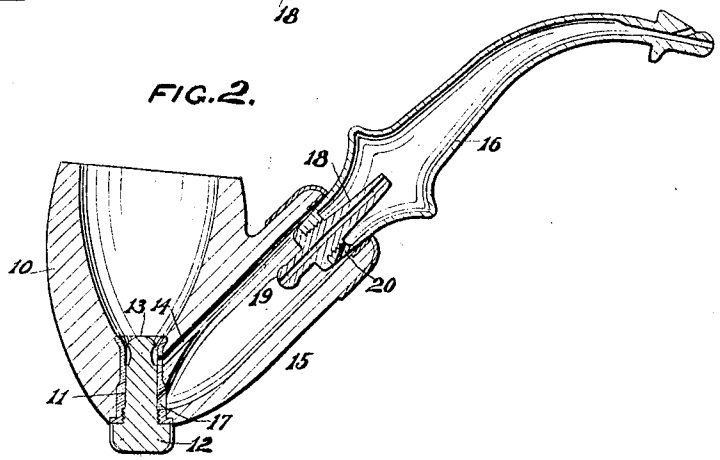


FIG. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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SMOKING-PIPE.

No. 909,903. Specification of Letters Patent. Patented Jan. 19, 1909.

Application filed October 21, 1907. Serial No. 398,351.

To all whom it may concern:

Be it known that I, ROLAND L. HUSTIS, residing in Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Smoking-Pipes, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention has for its object to provide a smoking pipe which will be free from clogging either by the lodgment of tobacco in the draft opening or by the accumulation of nicotin or other liquids in the draft passage, and thereby assure a free draft at all times.

Another object of the invention is to provide such a smoking pipe of a construction which will render the parts readily accessible for cleaning purposes.

With the above and other objects in view the invention consists in the smoking pipe herein claimed and described, its parts and combinations of parts and all equivalents.

Referring to the accompanying drawings in which like characters of reference indicate the same parts in the several views; Figure 1 is an elevation of a smoking pipe constructed in accordance with this invention; Fig. 2 is a central sectional view thereof; Fig. 3 is a plan view of the end of the mouth piece; Figs. 4 and 5 are detail views of the nipple for the mouth piece; and, Figs. 6 and 7 are detail views of the removable plug for the pipe bowl.

In these drawings 10 represents a pipe bowl which has a shouldered tubular bushing 11 tightly fitting in its bottom and flared at its upper end to keep it in place, the flared portion conforming with the cavity of the bowl and constituting the draft opening thereof. This bushing receives with a tight working fit a removable plug 12, which preferably has a knurled head on its lower end by which it may be easily turned and which is desirably threaded in the tubular sleeve for a short distance above the head to keep it in place. The upper end of the removable plug 12 is reduced and then slighty enlarged and rounded to form a bulbous tip 13 partially closing the draft opening and causing it to assume an annular form. The draft opening leads to the larger space formed between the neck portion of the plug and the tubular bushing 11, where a draft duct 14 extends through the side of the bushing and upwardly in the bowl member to communicate with a condensation well 15 at some distance from its bottom. The condensation well is inclined and at its upper end forms a stem socket to receive the lower end of a stem member 16, while at its lower end it is tapered and communicates with a discharge opening 17 in the bushing 11 which is normally closed by the stem portion of the removable plug 12 but which is freely accessible for cleaning purposes when the plug is removed.

The mouth piece 16 has threaded in its lower end a tubular nipple 18 which extends some distance above and below its threaded connection to project into the enlarged condensation portion of the mouth piece and into the condensation well 15 respectively, the former projection being designed to carry the draft passage above condensation liquid which may form in the mouth piece to prevent the liquid interfering with the draft, and the latter projection serving as a flattened thumb hold 19 by means of which the nipple may be easily turned. An opening 20 is formed in the lower end of the mouth piece to drain liquids therefrom into the condensation well 15. With this construction there is no danger of flakes of tobacco becoming lodged in a small draft opening, as with smoking pipes of the usual construction, for the draft opening formed between the bulbous tip 13 of the plug 12 and the flaring walls of the tubular bushing 11 is of an annular form and the lodgment of one or more flakes of tobacco therein would not interfere with the draft as it would be practically impossible for this annular opening to be entirely closed in such a manner. Any obstructions which might become lodged in the draft opening may be freely removed on removing the plug 12.

Besides a free draft being assured by the formation of the draft opening of the bowl, the interference by liquids of condensation or saliva is effectively prevented by the provision for collecting them in the lower end of the condensation well below the communication of the draft passage 14 therewith, also by the formation of the nipple 18 which carries the draft passage above any liquid which may be in the mouth piece, the drainage of such liquid being provided for by the opening 20.

The smoking pipe of this invention is readily accessible for cleaning, as the re-

moval of the plug 12, in addition to freeing any obstructions to the draft opening, serves to open the lower end of the condensation well 15 and the draft passage 14, and on removing the mouth piece these are accessible from both ends and permit of a thorough cleaning in a simple manner, as by running water therethrough. The interior of the mouth piece is also accessible on removing the nipple 18.

The advantages of a free draft at all times and accessibility for cleaning are provided by this invention without detracting from the appearance of the pipe, the head of the removable plug 12 only being noticeable and that being adapted to have an ornamental appearance.

What I claim as my invention is:

1. A smoking pipe, comprising a bowl having a draft passage, a tubular bushing fitting in the bottom thereof with a flaring end forming the draft opening for the bowl, a removable plug fitting in the bushing and having a rounded end standing in the draft opening to render said draft opening annular in form, the draft passage of the bowl member communicating with the interior of the bushing beneath the draft opening.

2. A smoking pipe, comprising a bowl member having a bowl with an opening in the bottom thereof extending entirely through the bowl member and a condensation well having a double connection with said opening at points one above the other, the lower connection being at the lowermost portion of the condensation well, a plug fitting in said opening closing communication between the lower connection with the condensation well and said opening and having a head on its end smaller than the opening leaving an annular draft opening in the said opening between the upper connection with the condensation well and the bowl, and a stem fitting in the condensation well.

3. A smoking pipe, comprising a bowl member having a draft passage, a tubular bushing fitting in the bottom thereof and having a flaring end forming the draft opening for the bowl, a removable plug fitting in the tubular bushing with a bulbous end projecting into the draft opening and rendering said draft opening annular in from, a draft passage leading from the space between the plug and the bushing beneath the draft opening, a condensation well in the bowl member having communication at a distance above its bottom with the draft passage, there being a discharge opening at the bottom of the condensation well passing into the bushing and closed by the removable plug, and a stem member communicating with the condensation well.

4. A smoking pipe, comprising a bowl member having a condensation well formed therein and communicating with the draft passage leading from the bowl, a stem member fitting in the condensation well and having a condensation chamber, a tubular nipple mounted in the lower end of the stem member and projecting within the condensation chamber of the stem member, there being a passageway in the stem member leading from the condensation chamber thereof to the condensation well of the bowl member.

5. A smoking pipe, comprising a bowl member having a condensation well therein communicating at a distance above its bottom with the draft passage leading from the bowl, a stem member fitting in the condensation well and having a condensation chamber, a removable tubular nipple threaded in the lower end of the stem member and projecting into the condensation chamber thereof, there being an opening in the stem member leading from the condensation chamber to the condensation well of the bowl member.

In testimony whereof, I affix my signature, in presence of two witnesses.

ROLAND L. HUSTIS.

Witnesses:

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ANNA F. SCHMIDTBAUER.