

UNITED STATES PATENT OFFICE.

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OF DAYTON, OHIO, A PARTNERSHIP.

TOBACCO-PIPE.

980,551.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed May 9, 1910. Serial No. 560,212.

To all whom it may concern:

Be it known that I, HARRY G. NOBLE, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Tobacco-Pipes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in tobacco pipes.

The objects of the invention are several, principally to provide a pipe which is constructed of sheet metal by the stamping process, the metal being preferably aluminum, and to construct a tobacco-smoking pipe on sanitary lines. In carrying out the latter object the structural characteristics of the pipe are such as to prevent the saliva from either entering the tobacco chamber or being drawn back into the smoker's mouth. Separate passages are provided for cleansing the pipe of the refuse from the tobacco chamber, and the saliva from the draft chamber or smoke passage, and the construction is such that the refuse and saliva may easily be removed without disconnecting or disturbing any of the interior parts of the pipe.

In the accompanying drawings, Figure 1 is a longitudinal sectional elevation through the body of the pipe, showing the several chambers and passages. Fig. 2 is a sectional view on the line *a-a* of Fig. 1. Fig. 3 is a perspective view of the cap.

In the specification and drawings, similar reference characters designate corresponding parts.

The entire pipe, with the exception of the mouth piece 2, is formed from sheet metal. The casing or body 1, which constitutes the bowl and smoke outlet to the mouth piece, is stamped in two halves and such halves are united in any suitable way. The end to which the mouth piece is attached has an inwardly lying screw threaded aperture 11 into which the screw threaded extension of the mouth piece is inserted. Surrounding the part 11 is a space or chamber 12 which acts as a trap to prevent the saliva from being drawn back into the smoker's

mouth. The bottom of the pipe casing or body 1 terminates in an outwardly lying annular flange 10, which is inclosed from without by a snugly fitting cap 9. The tobacco chamber or receptacle is provided with a sheet metal cup 3 which is suspended from the mouth of the casing 1, the circumferential edge 5 of said cup 3 being carried over on the outside of the mouth of the pipe casing and secured in any suitable manner. The lower end of the cup 3 extends inwardly in the form of a bowl and is open, the opening being surrounded by the extension of the cup in the form of a flange 13. Within said opening is a removable perforated bottom 4 which forms the bottom of the tobacco chamber. Below the cup 3 is a second sheet metal cup 6 which telescopes over the lower portion of the cup 3 and provides the smoke chamber which intervenes between the tobacco chamber and the smoke outlet passage to the mouth piece. The lower end of the cup 6 is contracted to form a throat 8 which engages the inner side of the cap 9 and through which the refuse from the tobacco and smoke chambers is removed. Surrounding said throat portion 8 is an annular chamber 14 which communicates with the interior of the casing 1 or body of the pipe. Through this chamber 14 the saliva or other accumulations such as nicotin are removed. It will be readily seen that when the cap 9 is removed, the interior of the pipe may be cleansed. It will also be seen that the moisture from the smoker's mouth is effectually kept from entering the tobacco chamber to any appreciable extent. In the surrounding wall of the cup 6 are a suitable number of perforations 7 through which the smoke is drawn from the interior. These openings 7, it will be seen, lie well up in the body of the pipe and free from any saliva that might accumulate in the smoke passage leading to the mouth piece 2.

Having described my invention, I claim:

1. In a tobacco pipe, the combination with a pipe body having an inwardly lying apertured extension surrounded by a chamber, and a mouth piece attached to said extension, of a tobacco receptacle having a perforated bottom within the bowl of said pipe body, a smoke receptacle inclosing the lower portion of said tobacco receptacle, said smoke receptacle having perforations in a

plane coinciding substantially with the bottom of the tobacco receptacle and through which the smoke is drawn to the mouth piece, substantially as specified.

- 5 2. In a tobacco pipe, the combination with a bowl having an opening in the bottom thereof, of a tobacco receptacle having a perforated bottom located above said opening, a perforated smoke receptacle inclosing the lower portion of the tobacco receptacle, the lower end of said smoke receptacle being contracted and projected through the opening in the bottom of the bowl and thereby providing separate passages from 10 the smoke receptacle and the bowl, and a cap inclosing the opening in the bottom of the bowl, substantially as specified.

3. A tobacco pipe comprising a body forming the bowl, a smoke passage leading 20 to the mouth piece, said bowl having an opening in the bottom thereof, a tobacco receptacle suspended within said bowl, a receptacle telescoped on the lower end of said tobacco receptacle and adapted to receive 25 smoke from the tobacco receptacle, said smoke receptacle having perforations which lie in a plane with the lower end of the tobacco receptacle and through which the smoke is drawn to the bowl of the pipe, said

smoke receptacle having its lower end contracted and extended through the opening 30 in the bottom of the bowl, and whereby there is provided separate passages from the smoke receptacle and the bowl of the pipe through the opening in the bottom of said 35 bowl, and a cap closing said opening, substantially as described.

4. A tobacco pipe constructed of sheet metal and comprising a bowl with an opening in the bottom thereof and a mouth-piece 40 extension, a tobacco receptacle within said bowl the lower end of which is perforated and lies above the opening in the bottom of the pipe bowl, a smoke receptacle inclosing the lower portion of the tobacco receptacle 45 and extending into the opening in the bottom of the pipe bowl, said smoke receptacle having openings which communicate with the surrounding space of the pipe bowl, and a cap inclosing the openings in the bottom 50 of the pipe bowl and smoke receptacle, substantially as described.

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

HARRY G. NOBLE.

Witnesses:

MATTHEW SIEBLER,
HOWARD S. SMITH.