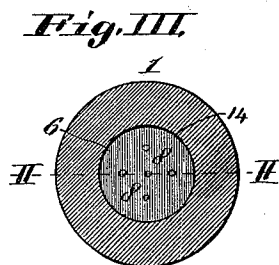
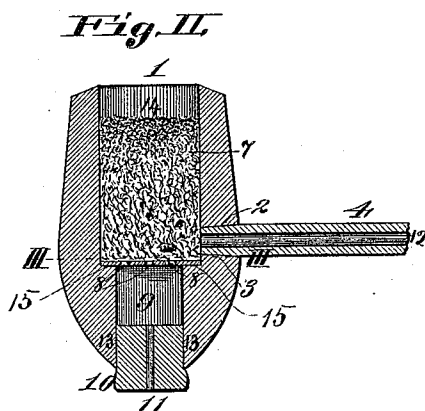
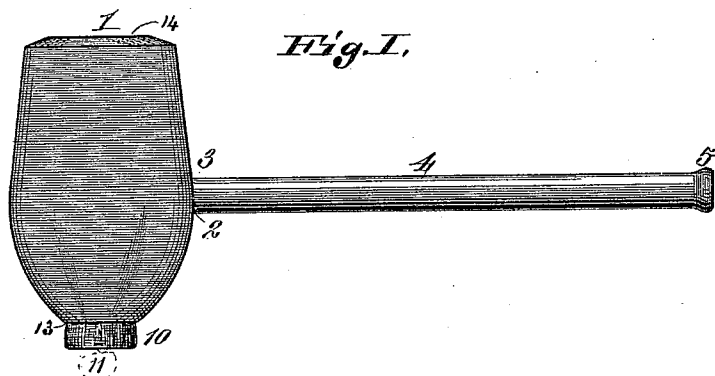


(No Model.)

A. J. PUGH.
TOBACCO PIPE.

No. 519,641.

Patented May 8, 1894.



Attest:

Benj. A. Knight.
Albert M. Eberole

Inventor:

Andrew J. Pugh.
By Knight Bros.
Atty's.

UNITED STATES PATENT OFFICE.

ANDREW J. PUGH, OF BOWLING GREEN, MISSOURI.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 519,641, dated May 8, 1894.

Application filed January 16, 1893. Serial No. 458,506. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. PUGH, of Bowling Green, in the county of Pike and State of Missouri, have invented a certain new and useful Improvement in Tobacco-Pipes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a tobacco pipe, having a tobacco bowl with a perforate, false bottom beneath the entrance of the pipe stem, an offset beneath the false bottom providing a seat therefor, a nicotine drainage and ventilator chamber beneath said perforate bottom, and a removable, perforate drainage and ventilator stopper beneath said chamber; the said arrangement of said parts serving to instantaneously discharge the nicotine at the time when from heat said nicotine is extracted from the tobacco, and to readily ventilate, purify and aid the burning of the tobacco in the bowl of the pipe, without any strenuous effort on the part of the smoker; and the invention consists in features of novelty hereinafter fully described and pointed out in the claims.

Figure I is a side view of the pipe. Fig. II is a vertical section, taken on line II—II, Fig. III and shows the interior of the pipe bowl, the hollow stem, the perforate, false bottom, beneath the entrance of said stem, the nicotine chamber, and the perforate stopper; and Fig. III is a horizontal section, taken on line III—III, Fig. II, and shows the bowl of the pipe and its perforate, false bottom, through which the nicotine is drained, and the tobacco bowl is ventilated.

Referring to the drawings:—1 represents the tobacco bowl of the pipe, in the pipe-stem perforation 2, of which, the attachment end 3 of the hollow pipe stem 4 is inserted flush with the interior of the bowl, and 5 is the curve lip of said stem, intended to be inserted in the smoker's mouth, when he draws through the central channel 12 of said stem.

6 represents the perforate, false bottom of the bowl, on which the tobacco 7 rests within the cavity 14 of said bowl. The said false bottom is preferably a circular metal plate that fits snugly on the offset 15 in the bottom of the tobacco bowl, beneath the pipe stem

bore, through which the smoker puffs. Said plate, which constitutes the false bottom, is provided with perforations 8, through which perforations, the poisonous nicotine that has been dislodged from the tobacco by the heat, incident to the burning of the tobacco, is immediately drained, so that the tobacco is cleansed from said noxious nicotine, and the smoke of which the smoker partakes is the pure emanation of the cleansed tobacco. Said perforate false bottom also provides ventilation for the tobacco in the open top tobacco compartment bowl, and a live draft under the influence of the heated, rarefied air above, to aid the burning of said tobacco in the bowl and thus lessen the labor of the smoker.

9 represents the nicotine chamber in the base of the bowl beneath said perforate, false bottom, which chamber provides a ready escape for the nicotine, immediately after its release from the thus purified elements of the tobacco.

10 represents a perforate stopper, which fits in the opening 13 in the bottom of the bowl 1. The said stopper is provided with one or more longitudinal perforations 11, that pass clear through said stopper and provide both a ready drainage or escape for the poisonous nicotine from said chamber 9, and at the same time provide a brisk draft feed to the perforate false bottom 6, and through its perforations 8, to facilitate the combustion of the tobacco in the bowl, and lighten the labor of the smoker.

Now it is well known that nicotine constitutes a very small percentage of the tobacco, but at the same time it is a strongly concentrated and poisonous element, which is highly necessary for many of the uses to which tobacco is applied, but it is highly pernicious to the smoker. Also by its glutinous nature said nicotine when as in the usual pipe, it has no means of escape, as in this improved pipe, soon clogs the pipe and its tube stem, and thus both stops the suction vent to and from the bowl through said stem, and makes the further use of the pipe impracticable. Again by the strong, poisonous nature of said nicotine, which largely remains after the combustion of the other elements of the tobacco, both the pipe and the breath of the smoker is contaminated thereby, which the above shown and

described arrangement of this invention obviates. Further by the use of this device the nicotine being extracted from the tobacco and discharged, and a clear, constant draft (by the same means) provided through the thus purified tobacco in the bowl of the pipe, said tobacco burns clear to an ash. The nicotine chamber being beneath the seat of the pipe stem, and the pipe being provided with a perforate cork stopper at the bottom, the tobacco will never clog in the bowl or get damp and foul, for the perforate division plate keeps the tobacco clear from the nicotine and said perforate plate being beneath the entrance of the pipe stem, a clear draft is maintained through the pure, uncontaminated tobacco above, and said draft is accelerated by the perforation through the cork stopper which latter perforation both ventilates the nicotine chamber and the tobacco bowl, and at the same time provides drainage for the nicotine, which although very small in quantity, is extremely nauseating and offensive, and the sooner it escapes the better. The tobacco being thus preserved from the poisonous nicotine and thoroughly ventilated, burns clear

to an ash, without any arduous effort on the part of the smoker, and both the pipe and smoker remain both sweet and clean.

I claim as my invention—

1. A tobacco-pipe comprising a bowl 1 formed with cavity 14, offset 15, nicotine chamber 9, open-bottom 13 and pipe-stem perforation 2 above the offset, the perforated plate 6 seated on the offset beneath the pipe-stem perforation, the perforated stopper 10 located in the open-bottom, and the pipe-stem 4 having its end 3, inserted in the pipe-stem perforation, flush with the interior of the bowl; substantially as described.

2. A tobacco pipe comprising a bowl having a tobacco compartment and a nicotine chamber beneath the tobacco compartment, the perforated division plate between the compartment and the chamber, the hollow pipe-stem inserted in the bowl above the plate, and the perforated stopper; substantially as described.

ANDREW J. PUGH.

In presence of—

BENJN. A. KNIGHT,
ALBERT M. EBERSOLE.