

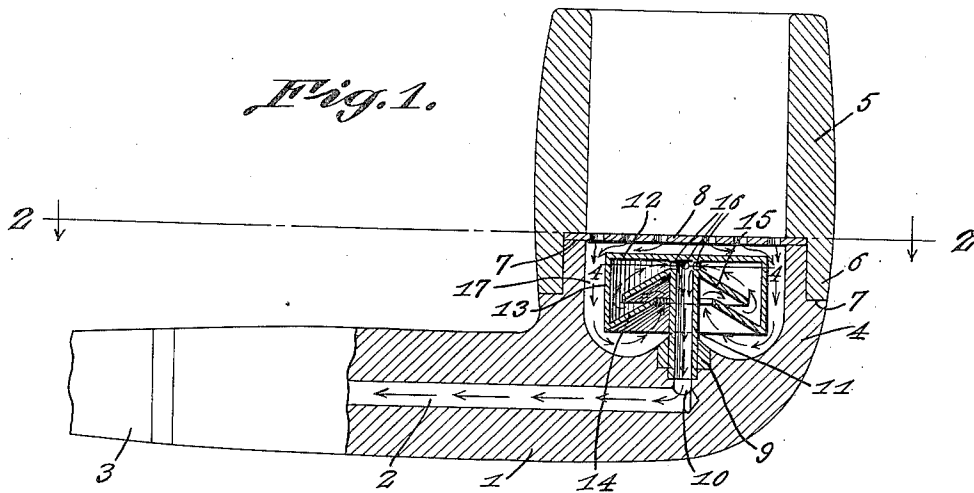
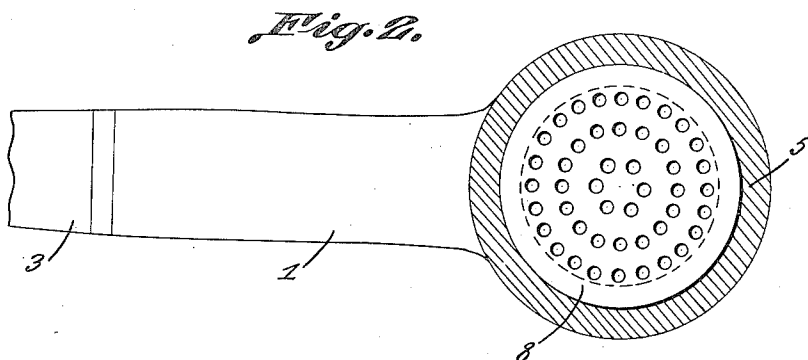
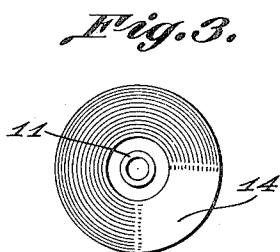
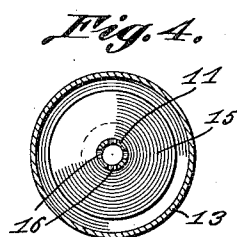
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2,179,533

TOBACCO PIPE

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UNITED STATES PATENT OFFICE

2,179,533

TOBACCO PIPE

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2 Claims. (Cl. 131-213)

This invention relates to tobacco pipes, and its general object is to provide a pipe that cannot become choked by tight loading, nor clogged by drifting tobacco crumbs and the like, therefore the passages thereof are retained open for the free passage of air and smoke therethrough, and tobacco in my pipe cannot become soggy or wet by saliva or condensation, and the smoke is caused to travel in a sinuous path to be properly cooled before reaching the mouth of the user, with the result my pipe provides utmost enjoyment for the smoker and the means to accomplish the foregoing advantageous features are detachable to facilitate cleaning, but frequent cleaning is not necessary.

A further object is to provide a pipe of the character set forth, that is simple in construction, inexpensive to manufacture, easy to assemble and extremely efficient in use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a fragmentary vertical sectional view taken through the pipe which forms the subject matter of the present invention.

Figure 2 is a sectional view taken approximately on line 2-2 of Figure 1, looking in the direction of the arrows.

Figure 3 is a bottom plan view of the smoke receiving and cooling element.

Figure 4 is a sectional view taken approximately on line 4-4 of Figure 1.

Referring to the drawing in detail, the reference numeral 1 indicates the stem of my pipe, that is provided with a smoke passage 2 and to which is secured the mouth piece 3, in any suitable manner.

The stem 1 has formed thereon and rising therefrom the base section 4 of the bowl of my pipe, which includes a body section 5, frictionally secured to the base section and for that purpose the meeting portions of the sections include overlapping flanges 6 and shoulders 7, the inner shoulder of the base section providing a seat for an apertured disk 8 which is held thereon by the corresponding shoulder of the body section. It is obvious from Figures 1 and 2 that the disk 8 provides a grid for supporting the tobacco within

the bowl, a considerable distance above the bottom of the bore thereof.

The bottom of the bore, is of course disposed in the base section and it is shown as being curved upwardly toward its center in substantially conical formation and set in the center of the bottom is a collar 9 that registers with an opening 10 which communicates with the smoke passage 2, as clearly shown in Figure 1.

The important feature of my pipe lies in the smoke receiving and cooling element, which includes a tube 11 which may be threaded in the collar 9 but in any event is supported thereby and rises therefrom and has formed on or otherwise secured to the upper end thereof the upper wall 12 of a substantially flat cylindrical housing 13, disposed within the bore with its upper wall slightly spaced from the grid 8, and its vertical wall spaced from the corresponding wall of the bore. The lower wall 14 of the housing is of substantially conical formation and rises upwardly from about the lower edge of the vertical wall with an opening centrally arranged therein that has its edges spaced from the tube concentrically with respect thereto, and the tube has formed therewith and downwardly and outwardly flared therefrom a substantially conical baffle plate 15 that is inclined to the same degree as the lower wall 14 and spaced with respect thereto. The tube is provided with openings 16, disposed between the baffle plate 15 and the upper wall 12, for disposing the bore of the tube in communication with the chamber 17 provided by the housing.

From the above description and disclosure of the drawing, it will be obvious that in the use of my pipe, the tobacco is packed within the bowl in the usual manner, and against the grid 8, which spaces the tobacco from the bottom of the bowl and provides a chamber within which is mounted the cooling element. When the smoke is drawn through the openings of the grid, it will contact the upper wall of the housing, and be directed therefrom through the space between the housing and bore, thence upwardly by the lower wall 14 for passage through the opening thereof, as shown by the arrows in Figure 1. From the opening of the lower wall, the smoke is directed about the baffle plate 15, thence through the openings 16 and downwardly through the tube, to the smoke passage 2, consequently it will be seen that the smoke will be cooled before reaching the passage 2, and as it does not have to pass through soggy or wet tobacco, it is re-

tained sweet and cool when it reaches the mouth of the user.

5 It will be further obvious that due to the fact that the body section of the bowl is frictionally mounted, it can be rotated, and that feature will prevent the bowl from becoming irregularly charred from lighting. Again, the body section can be readily removed from the base section, and such allows for the removal of the grid, as well
10 as the smoke receiving and cooling element, to facilitate cleaning thereof, as will be apparent.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

15 It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

20 What I claim is:

1. A tobacco pipe comprising a bowl, a stem and a mouth piece, a grid in the bowl and spaced from the bottom of the bore thereof to provide a chamber, smoke receiving and cooling means
25 within the chamber and including a housing, a conical lower wall for the housing and having an inlet opening centrally arranged therein, a flat upper wall spaced from the grid, a tube depending from the upper wall and through the inlet
30 opening for supporting the housing above the

bottom of the bore and communicating with the passage of the stem, a conical baffle plate formed on the tube and downwardly inclined therefrom for disposal in spaced relation to the bottom wall for cooperation therewith to provide a sinuous
5 smoke passage and said tube having inlet openings between the baffle plate and upper wall.

2. A tobacco pipe comprising a bowl, a stem and a mouth piece, said bowl including a base section and a body section, the latter being rotat-
10 ably mounted on the base section and removable therefrom, a grid in the bowl and secured thereto by the connecting means of the sections, said grid being spaced from the bottom of the bore of the bowl to provide a chamber, smoke re-
15 ceiving and cooling means within the chamber and including a housing, a flat upper wall for the housing, a conical lower wall therefor and having an inlet opening arranged centrally there-
20 in, a tube depending from the upper wall and removably mounted in the bottom of the bore, for supporting the housing above the bottom with the upper wall in spaced relation with respect to the grid, said tube communicating with the pas-
25 sage of the stem and having inlet openings in the upper end thereof, and baffle means within the housing below the inlet openings and cooperating with the lower wall to provide a sinuous smoke passage.

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