Nov. 2, 1937. F. PILANT 2,098,161

TOBACCO PIPE

Filed April 13, 1936

Fig. 1.

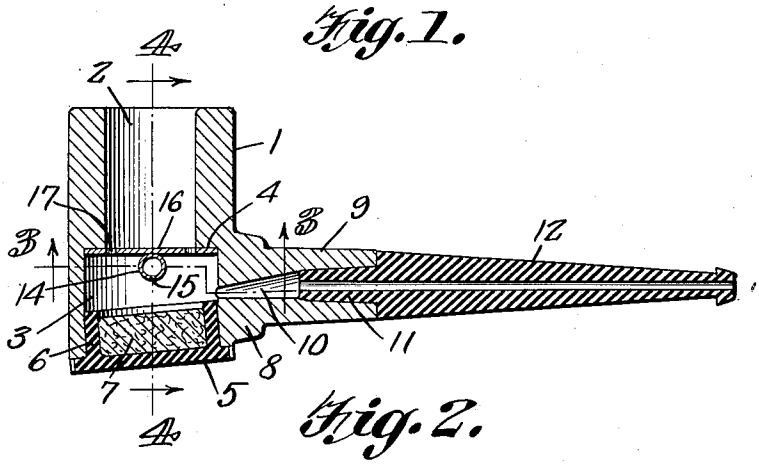


Fig. 2.

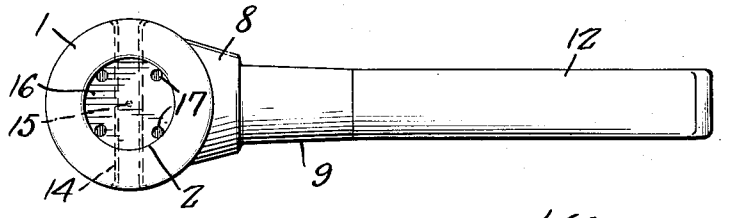


Fig. 4.

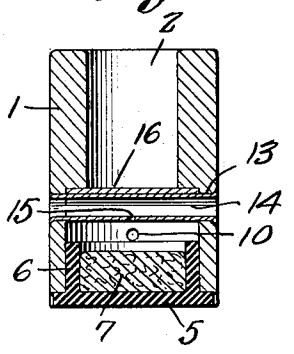
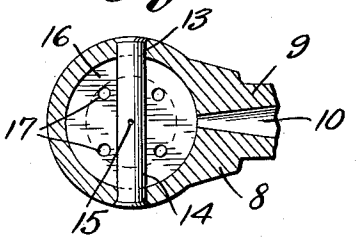


Fig. 3.



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WITNESS

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TOBACCO PIPE

Frederick Pilant, Granby, Mo.

Application April 13, 1936, Serial No. 74,185

1 Claim. (Cl. 131—12)

This invention relates generally to tobacco pipes and an important object thereof is to provide an air conditioning or cooling device, that is primarily designed for use with pipes and can be used with cigar and cigarette holders, to retain the same in a cool condition, as well as the smoke drawn therethrough, which, of course, is desirable and essential in order to obtain utmost pleasure from smoking, especially with a pipe.

A further object is to provide a tobacco pipe that is not only air cooled, but the air cooling device creates maximum draft, to assure free drawing, as well as cooperates with grate means to bring about complete combustion or burning of the tobacco, with minimum residue or ash.

Another object of the invention is to provide a tobacco pipe that likewise retains the smoke drawn therethrough, free from excess moisture.

A still further object is to provide a tobacco pipe that can be readily cleaned, in that access can be had to the parts thereof in an easy and expeditious manner, and it is simple in construction, inexpensive to manufacture 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 claim.

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 longitudinal sectional view taken through a pipe constructed in accordance with the present invention.

Figure 2 is a top plan view thereof.

Figure 3 is a sectional view taken approximately on line 3—3 of Figure 1 looking in the direction of the arrows.

Figure 4 is a sectional view taken approximately on line 4—4 of Figure 1 and looking in the direction of the arrows.

Referring to the drawing in detail, it will be noted that I have illustrated my cooling device associated with a tobacco pipe, but I want it understood that it can be used with cigar and cigarette holders without departing from the spirit of the invention.

The pipe as shown includes a bowl 1 having a bore extending therethrough and which includes a reduced upper portion 2 and an enlarged lower portion 3, to provide a shoulder 4, for a purpose which will be later described.

The bore extends vertically of the bowl and entirely through the same, and an open lower end thereof is closed by a cap 5 that is preferably provided with a serrated periphery. The cap includes an annular flange 6 formed on and rising from a disk shaped outer portion thereof, and the flange is of a diameter to fit the enlarged portion of the bore, to set up a frictional engagement therewith, for holding the cap in place. The cap not only closes the lower end of the bore of the bowl, but also acts as a moisture trap, and, for that purpose, I provide a pad 7 of absorbent material, of a size to fit within the flange.

The bowl has formed and extending outwardly therefrom an enlarged portion 8 which forms a part of the stem 9, and the bore of the stem includes a reduced tapered portion 10 that decreases in size toward the bore of the bowl, as clearly shown in Figure 1, while the remaining portion of the bore of the stem frictionally receives the nipple 11 of the mouth piece 12, whereby the mouth piece can be readily applied and removed with respect thereto.

The cap is preferably made from rubber or like composition, and it will be noted that the lower end of the bowl is disposed at an inclination, or cut at an angle, so that the pipe will be maintained in an upright position when not in use.

The wall of the bowl has diametrically arranged openings 13 extending through the same for disposal in the enlarged or lower portion of the bore thereof, and in juxtaposition with respect to the shoulder, as best shown in Figure 1. Mounted in the openings 13 is a tube 14 that has outwardly flared open ends, for the passage of atmospheric air through the tube, and the tube has a vent opening 15 arranged centrally in the bottom thereof.

Mounted on the shoulder which provides a seat therefor is a disk like plate 16 having openings 17 therein to provide a grate. The openings 17 are arranged in close proximity to the wall of the upper portion 2 of the bore, as clearly shown in Figure 1, and the plate or grate is held on its seat by the tube 14 which underlies and contacts the same.

It will be noted from Figure 1 that the grate 16 is disposed a considerable distance above the moisture trap, in order to provide a chamber which may be termed a mixing chamber, in that air drawn through the tube 14 mixes with smoke

drawn through the openings 17, consequently it will be seen that the smoke is materially and immediately cooled, as it leaves the burning tobacco. Due to the fact that the air passing through the tube retains the same in a cooled condition, and the smoke is cooled by the air, it will be apparent that the bowl, as well as the pipe in its entirety, is retained cool at all times, and especially that part of the bowl below the tube.

It will, of course, be understood that the smoke is likewise retained cool, by the mixture of air therewith, until it reaches the mouth of the user.

It will be obvious that the absorbent pad 7 will receive moisture and saliva from the stem and mouth piece, therefore, the smoke is also retained in a substantially dry condition.

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

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 claim.

What I claim is:

A tobacco pipe comprising a bowl having a bore reduced to provide a shoulder therein, a tube having open ends and bridging the bore for disposal through the wall of the bowl, a grate seated on the shoulder and held accordingly by the tube engaging the underside thereof, said grate being spaced from the bottom of the bowl to provide a chamber, said tube having an opening in the underside thereof to be directed toward the chamber, a stem on the bowl and having its bore communicating with the chamber, and a mouth piece secured to the stem.

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