

Nov. 12, 1935.

D. P. LAVIETES

2,020,730

TOBACCO PIPE

Filed Dec. 17, 1934

Fig. 1.

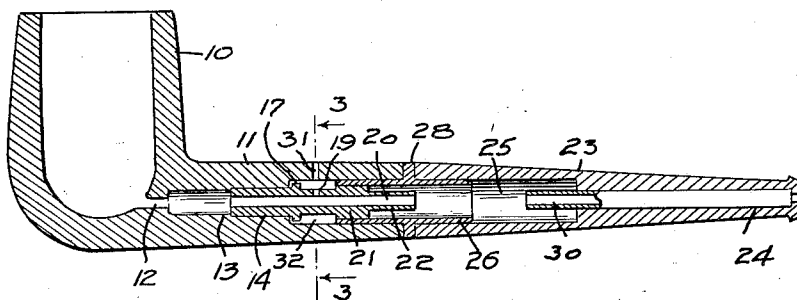


Fig. 2.

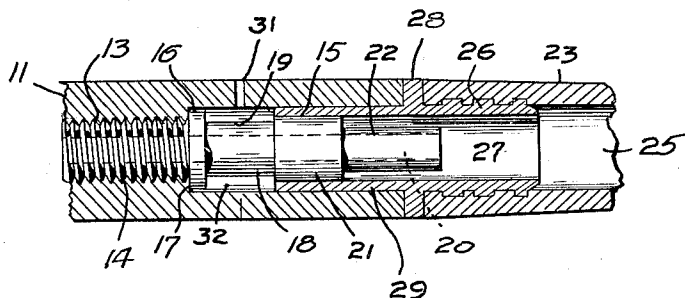
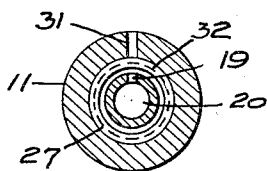


Fig. 3.



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2,020,730

TOBACCO PIPE

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Application December 17, 1934, Serial No. 757,822

2 Claims. (Cl. 131—12)

This invention relates to improvements in tobacco pipes and has reference particularly to means separably holding together the bowl stem and pipe bit and for collecting and trapping within the body of the bit any juice from the tobacco which may have been discharged while smoking.

It is desirable in the construction of tobacco pipes of this character to provide a joint to support the bit in the bowl stem and in order to effect a perfect hold for the bit in the bore of the stem, the fit of the two parts must be fairly tight. As a result there is a tendency on the part of the stem to crack or split when subjected to any undue expansion of the bit tenon, a condition following the flow of warm smoke through the stem and into the bit.

With the foregoing in mind it is an object of my invention to avoid strains upon the wall of the bore in the stem and I accomplish this object by providing a double support for the bit within the bore of the bowl stem so as to distribute a greater part of the strain to the mid portion of the bowl stem where the material thereof has its greatest thickness.

Another object of my invention is to provide a cylindrical plug attachably connected to the bowl stem and arranged completely within the bore of the latter, the plug having an enlarged portion to fit closely in the bore of the bit tenon to form a closure, which is adapted to trap within the bit any juice from the tobacco, and which is drawn out of the tenon when the bit is removed to permit discharge of the trapped juice.

A still further object of this invention is to provide a cylindrical plug in the bore of the bowl stem having a reduced portion with an opening into the bore of the plug, the stem being provided with an air opening entering the space about the reduced portion of the plug to keep the latter cool and to introduce a jet of cool air into the smoke passage.

These objects are accomplished by means of the tobacco pipe construction described in the following specification, set forth in the appended claims and illustratively exemplified in the accompanying drawing, in which

Figure 1 is a substantially longitudinal sectional view of a tobacco pipe embodying my invention;

Figure 2 is a sectional view of certain parts shown in Figure 1 except that the illustration is on a much larger scale; and

Figure 3 is a substantially transverse sectional view taken on lines 3—3 of Figure 1.

Referring to the drawing in detail, 10 denotes

the bowl and 11 the bowl stem with a smoke passage or bore 12 leading from the bowl 10 into and through the latter, the bore 12 being increased in diameter from its mid portion to the outer end of the stem to form a well 13. The inner end of the bore 12 is threaded to receive the threaded end 14 of a tubular plug 15.

The plug 15 consists of a metal member having a flange 16 at the inner end of the threads 14 to abut the shoulder 17 at the inner end of the well 13, a reduced mid section 18 provided with a radial opening 19 leading into the bore 20 of the plug. The plug at the end of the reduced section 18 has an enlarged intermediate part 21 and a tubular terminal part 22.

The bit member is designated 23 and is provided with a smoke passage 24 leading to a well 25 at the inner end of the bit. The well 25 accommodates at its free end a tubular part 26 of a tenon joint or union 27, the part 26 being provided with radial projections which embed themselves into the wall of the well 25 to form a rigid connection between the parts. Intermediate the union 27 is a flange 28 which abuts on one face the inner end of the bit and on the other seats against the end of the bowl stem 11. A tubular part 29 beyond the flange 28 forms a tenon which fits into the open end of the well 13 and receives the enlarged intermediate part 21 of the plug 15, the part 21 completely closing the well, as illustratively exemplified in Figures 1 and 2. The tubular terminal part 22 projects into the well 25 to a point corresponding with the outer end of bowl stem. To prevent bits of tobacco or other matter entering the smoker's mouth, it is desirable to provide a length of tube 30 extending from the inner end of the smoke passage 24 into the well 25.

In order to cool the smoke an orifice 31 is drilled transversely of the bowl stem at a point which will allow it to open into a chamber 32 in the well 25 disposed between the flange 16 and enlarged portion 21.

If it is desired to clean the pipe of any deposit which may have formed therein, the bit 23 is simply withdrawn from the bowl stem and shaken whereupon any deposits which may be contained in the well 25 are discharged therefrom.

When the bit is replaced it will be seen that it receives double support in the bowl stem, first at the usual point where the tenon 29 fits closely the wall of the well 25, and second where the enlarged intermediate part 21 fits into the end of the bore of the tenon 29, any strain at the second support being dissipated through the screw end

14 of the plug into the bowl stem 11 at its intermediate and heaviest part.

I claim:

1. In a tobacco pipe, the combination of a bowl
5 having a stem with a bore and a well at its free end, a bit member having a well therein and a tenon insertable into the well of the stem, and a plug fixed in the bore of the stem and insertable into the tenon to support the latter from the
10 inside thereof, said plug comprising a tubular member having a threaded end portion to screw into the bore of the stem, a flange abutting the inner end of the well, a reduced section forming an air chamber in the well and being provided
15 with an orifice leading into the bore of the plug, said stem having an orifice to admit air into said chamber, an intermediate enlarged part to fit into the tenon and support the bit and a tubular

terminal part projecting into the bore of the bit.

2. In a tobacco pipe, the combination of a bowl having a stem with a bore and a well at its free end, a bit having a tubular joint fixed in its inner end and projecting therefrom to form a tenon
5 insertable into the well of the stem for support, and a tubular plug fixed in the bore of the stem and projecting into the well thereof, the intermediate part of the plug being enlarged to fit the bore of the tenon to further support the bit, the
10 portion of the plug intermediate the fixed end and the enlarged part being arranged in the well of the stem and provided with an orifice opening into the bore of the plug, said stem having an orifice admitting air to the well in the stem and
15 in proximity of the orifice in the plug.

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