Sept. 14, 1937. R. H. KLICKMAN 2,093,014

SMOKER'S PIPE

Filed Oct. 25, 1935

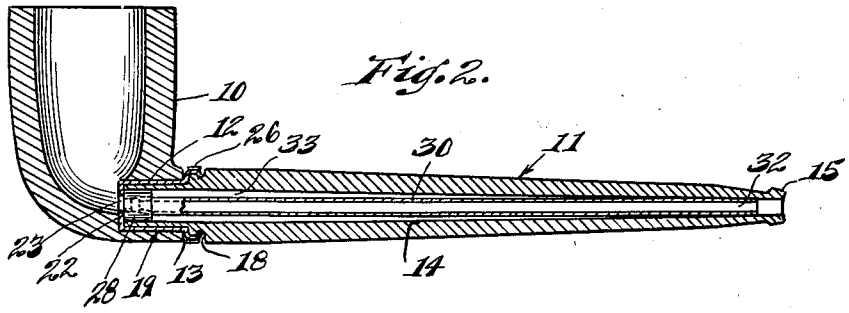


Fig. 2.

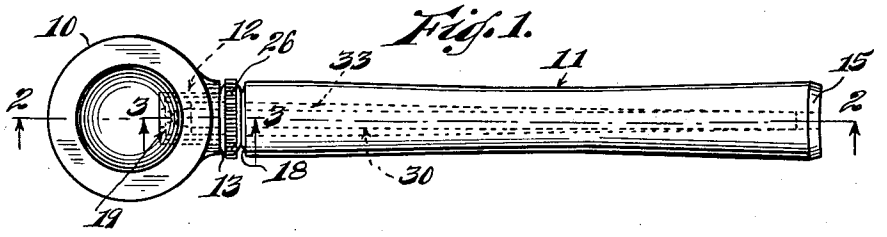


Fig. 1.

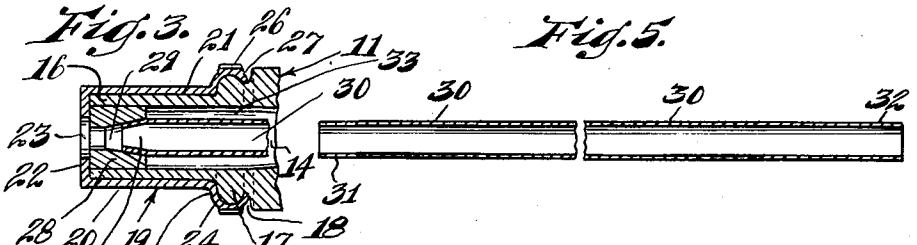


Fig. 3.

Fig. 5.

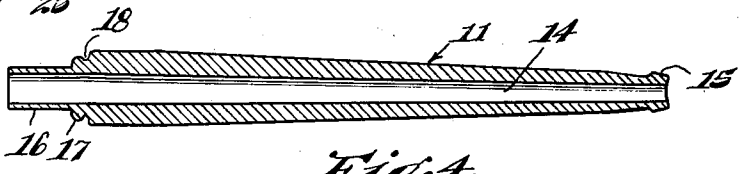


Fig. 4.

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Patented Sept. 14, 1937

2,093,014

UNITED STATES PATENT OFFICE

2,093,014

SMOKER'S PIPE

Rudolph H. Klickman, Chicago, Ill.

Application October 25, 1935, Serial No. 46,719

1 Claim. (Cl. 131—12)

This invention relates to smokers' pipes and more particularly to an improved pipe stem construction. It is well known that the ordinary smoker's pipe accumulates a considerable amount of moisture and tobacco liquor in ordinary use, which accumulation is drawn through the pipe stem into the mouth of the smoker with its attendant disagreeable effects and requiring a large amount of cleaning. This objectionable condition is overcome by my present invention by the novel construction of the pipe stem as will be apparent from the following description.

It is therefore an object of my invention to provide an improved pipe wherein the formation of moisture by condensation in the stem or bowl is prevented.

A further object is to achieve the previously mentioned object and at the same time provide a pipe that is simple of construction and that may be very readily cleaned.

Other incidental objects and advantages will appear at once from the following description, reference being had to the accompanying drawing, wherein:

Fig. 1 is a top view of a pipe embodying my invention;

Fig. 2 is a central sectional elevation of the same, taken along the line 2—2 of Fig. 1;

Fig. 3 is an enlarged partial cross-sectional view taken along the line 3—3 of Fig. 1, showing the bowl end of the pipe stem;

Fig. 4 is a sectional view of the stem alone; and

Fig. 5 is an enlarged sectional view of the inner tube incorporated in the stem proper.

Referring more particularly to the drawing, I show a pipe having the usual bowl 10 and stem 11, the bowl 10 having a stem bore 12 and a shoulder 13 at the end of said bore. The stem 11 is provided with a tapered bore 14 extending from the tip end 15 to end 16 which is substantially cylindrical. The stem 11 is further provided with a circular bead 17 and a circular recess 18. A locking sleeve 19, preferably of sheet metallic construction is provided and has a cylindrical portion 20 adapted to receive the cylindrical portion 16 of stem 11, and is further provided with a radial abutment 22 for the end of the cylinder 16 and an aperture 23. A bead 24 is also formed on the sleeve 19, which bead is adapted to engage with the bead 17 of the stem, which bead 24 forms a shoulder 25 adapted to register with the shoulder 13 of the bowl, the bead 24 having a knurled portion 26 and a clamping ring portion 27 adapted to engage recess 18 in the completed structure. A bushing 28 having a tapered bore 29 is adapted to be received in the bore 14 of the cylindrical portion 16 of the stem 11, and an inner tubular member 30 having ends 31 and 32 is provided for positioning within the tapered bore 14 of the stem, end 31 being fitted into the tapered bore of bushing 28, and the end 32 of the tube being fitted into the bore 14 at the tip end of the stem 11 and terminating slightly short of the tip 15. The tube 30 is preferably of a thin metallic material and of relatively high thermal conductivity and sufficiently soft so that the ends 31 and 32 may make a tapered fit with the bushing 28 and the taper of the bore 14 at the tip end of the stem.

The construction just described provides for a space 33 surrounding the tube 30 substantially throughout its length and the length of stem 11. It will be obvious to those skilled in the art that the stem, including the tube 30, bushing 28, and locking sleeve 19, forms a unit when assembled that may provide a detachable fit with bowl 10, shoulders 13 of the bore 12 forming an abutment with shoulder 25 of sleeve 19. The knurled portion 26 of the sleeve affords a grip when the stem is removed from the bowl so that the clamping ring 27 will not be loosened from the recess 18 when the stem is thus removed for cleaning.

It will be further apparent that the tube 30 provides a straight and unobstructed passage for a cleaning implement and that there are no pockets or cavities in which any nicotine, tobacco particles, moisture, or tobacco liquor can be trapped or accumulated. The construction of the stem I have provided, will result in the prevention of any moisture being formed within the tube 30, since the tube 30 will become hot practically instantly when the tobacco has been ignited by the lighting of the pipe, from the warm air and the smoke passing through the tube, and the space 33 will permit the tube 30 to remain hot during the smoking period. The moisture which in other types of pipes forms in the smoke passage is caused by the cool pipe stem condensing the warm air or smoke, the moisture particles being formed and deposited by this condensation. It will be seen that this condensation could not take place in my novel pipe construction just described, inasmuch as the tube 30 because of its high thermal conductivity will become hot upon the first passage of smoke and thus prevent formation of any moisture of condensation.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the

spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

A device of the class described comprising a bowl and a stem, a stem recess in the lower portion of said bowl, said stem having a bore tapered in a direction away from the bowl end, said stem terminating in a reduced portion at its bowl end, a bushing in the bowl end of said bore, a tube in said bore secured at one end by said bushing and at the other by the wall of said bore, the major portion of said tube being spaced from the wall of said bore, and a locking sleeve for said bushing.

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