Jan. 26, 1937. J. PEDERY ET AL 2,068,866

TOBACCO PIPE

Filed April 18, 1932

Fig. 1

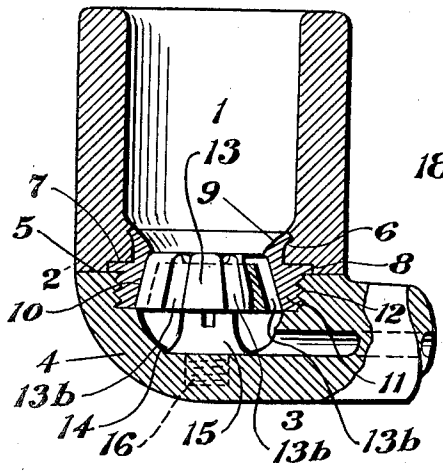


Fig. 2

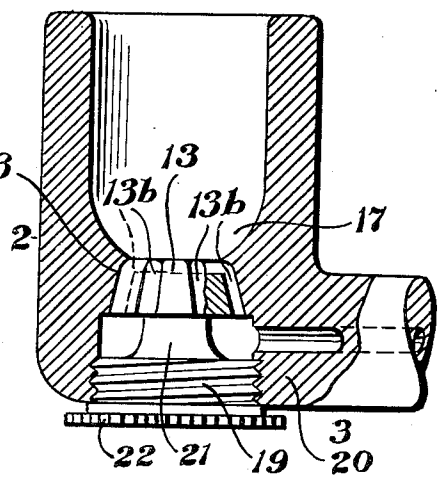


Fig. 3

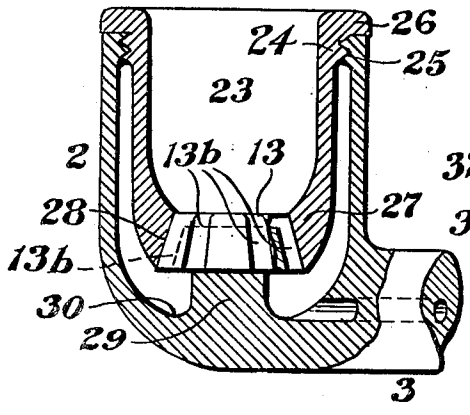


Fig. 4

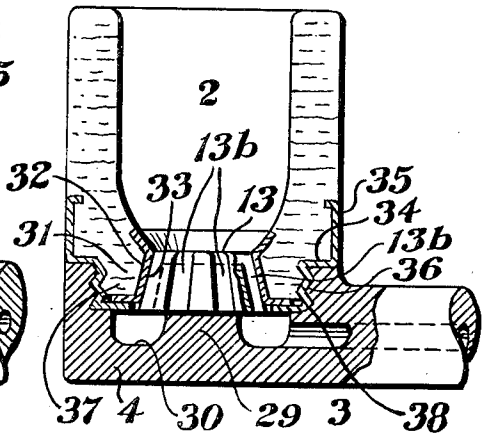


Fig. 5

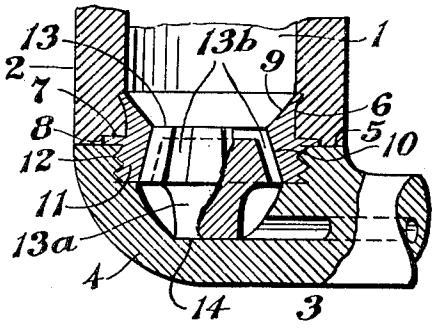
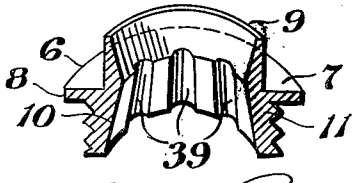


Fig. 6



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Patented Jan. 26, 1937 2,068,866

UNITED STATES PATENT OFFICE

2,068,866

TOBACCO PIPE

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Application April 18, 1932, Serial No. 605,883

11 Claims. (Cl. 131—12)

This invention relates to improvements in tobacco pipes. The draught or suction of such pipes is frequently impaired through a clogging which takes place at the bottom of the pipe bowl, and particularly at the junction of the bowl and the pipe stem, which clogging is due to the continual accumulation of various ingredients distilled out of the tobacco during the smoking. Those accumulated ingredients have to be frequently scraped out of the pipe-bowl, as, besides impairment of the suction, they also form hard or viscuous masses which seriously vitiate the taste of the tobacco.

The principal object of our invention is to provide a tobacco pipe with improved and efficient means for remedying the above mentioned disadvantages.

Another object is to provide a tobacco pipe having simple, inexpensive, reliable, efficient, and improved means for retaining an absorbent material for remedying said disadvantages, and for readily, rapidly, and conveniently discarding and renewing said material.

Other objects and advantages will hereinafter appear.

In the accompanying drawing,—

Figs. 1, 2, 3, 4 are longitudinal cross-sections of tobacco pipes embodying the above referred improvements, all of which forms are modifications of this invention.

Fig. 5 is a similar view of a tobacco pipe embodying a further modification of the invention.

Fig. 6 is a perspective view showing a modification of a detail of the invention.

The upper portion 1 of the bowl 2 of the tobacco pipe 3, Fig. 1, is severable from its lower portion 4 along the plane 5. Between the pipe portions 1, 4 is situated an annular framing 6 which is secured to the portion 1 by means of a flange 7 thereof lodging within a recess 8 in the underside of said portion, and the framing extending into the interior of bowl-portion 1 and having a flared lip 9 which is pressed into and against the wall of the bowl in the manner shown. The framing 6 is provided with a bore 10 which tapers upwardly, and from its flange 8 projects a portion 11 which is threaded to screw into tapped depression 12 formed in the lower bowl portion 4, by which means the upper bowl portion 1 is attachable to and detachable from the lower bowl portion 4. A tablet 13, made of any suitable absorbent and non-combustible material, such as mineral fiber, is frusto-conical in configuration and adapted to fit into the tapered bore 10 of the framing 6. In the floor 14 of lower bowl-portion 4 is located a peg 15 which is threaded thereinto by a shank 16, and said peg serves to hold and retain the tablet 13 in requisite position within the bore 10 against any accidental downward dislocation. When it is required to discard the tablet 13 for renewal of a fresh tablet, the user may merely separate the portions 1, 4, by unthreading the former from the latter, whereby the used tablet 13 will drop out, and a new one may then be reinserted and the portion 1 threaded back upon the portion 4 in the position shown.

In the modification shown in Fig. 2, the usual pipe bowl 2 is provided in its lower portion 17 with an annular upwardly tapered bore 18, which is adapted to receive the frustro-conical tablet 13 in the manner shown. And said tablet is retained in this requisite position by means of a fitting 19 which threads into the floor 20 of the pipe bowl and is provided with a lug 21 upon which the tablet rests. The fitting 19 is preferably provided with a knurled head 22 for its manipulation. To renew the tablet 13 it merely requires unthreading of the fitting 19, discarding of the old tablet, reloading the new one, and then threading back the said fitting.

According to the modification illustrated in Fig. 3, the bowl 2 is provided with a fire pot or internal secondary bowl 23 which is located therewithin and removably held in place by means of a threaded collar 24 thereof screwing into a tapped rim 25 of bowl 2, a rim 26 of bowl 23 abutting against the edge of the bowl 2 to limit the internal movement of the fire pot. In the floor 27 of the pot 23 is provided an annular tapered bore 28 adapted to receive the frusto-conical tablet 13 in the manner shown, and a lug 29 formed upon the floor 30 of the bowl 2 projects upwardly and against the underside of the tablet, thereby retaining it in requisite position within the bore 28. To renew this tablet it merely requires unthreading the fire pot 23, discarding the old tablet and recharging the new one, and then replacing the fire pot to the position shown.

The modification shown in Fig. 4 is particularly adaptable for equipping corncob pipes with the improvements of this invention, as the material of such pipes is quite weak. The corncob bowl 2 is provided in its floor 31 with an upwardly tapered bore 32 in which is fitted a similarly shaped framing 33 adapted to receive the frustro-conical tablet 13. A metallic plate framing 34 consists of a ferrule portion 35 and a spun threaded

shank 36. Said ferrule 35 embraces the exterior of the lower end of the corn cob bowl 2, and the threaded shank 36 similarly embraces a lug 37 of said bowl surrounding its bore 32, by which means the upper bowl portion 2 may be threaded into the lower bowl portion 4, which may be made of any suitable material. The edge 38 of the shank 36 is adapted to support the framing 33 against any downward dislocation.

In the modification shown in Fig. 5, the tablet 13 is sustained in its requisite location within the framing 6 by means of a lug 13*a* forming part thereof resting upon the floor of the bowl, in the manner indicated.

Fig. 6 illustrates a modification of the framing 6, in which is provided a plurality of vent grooves 39, whereby an absorbent tablet may be utilized in which the outer conical surface is flush, rather than corrugated, as illustrated in all the other views.

It will be evident that by the provision of an upwardly frusto-conical tablet 13 being retained within a similarly configurated pocket of the bowl any accidental dislocation or dropping out of the tablet during use of the pipe will be precluded, and by the provision of a special framing or retaining means 6, 24, or 32, which may be made of metal or any other suitable non-combustible material, the tobacco pipe will be protected and a firm and efficient holding means for the tablet will be at all times secured.

With the above provisions the tobacco carried in the pipe above the tablet 13 has its objectionable ingredients distilled out therefrom by the absorbent material of the tablet. All the clogging of the pipe at the junction of its bowl and stem is in this manner prevented and impairment of the suction obviated, and the suction is further improved by the numerous vents 13*b* of the tablet 13. With the use of these improvements, the bottom of the bowl will be always found dry and free from all objectionable hard or viscuous foreign matter which is ordinarily found in pipe bowls and vitiates the taste of the smoking.

Variations may be resorted to within the scope of the invention, and portions of the improvements may be used without others.

Having thus described the invention, we claim:—

1. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing situated between said parts having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out of said bore upon severance of said parts.

2. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing situated between said parts having an upwardly tapered bore, a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore, said tablet dropping out of said bore upon severance of said parts, and means for sustaining said tablet in lodged state within said framing.

3. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing situated between said parts having an upwardly tapered bore, a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore, said tablet dropping out of said bore upon severance of said parts, and a peg projecting from the bottom of said lower part for sustaining said tablet in lodged state within said framing.

4. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing secured to said upper part being situated between both of said parts and having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out upon severance of said parts.

5. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing secured to said upper part having means for removably joining it to said lower part, said framing having an upwardly tapered bore and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out upon severance of said parts.

6. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing secured to said upper part having a threaded projection, said lower part having a tapped portion for receiving said projection, said framing having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out upon severance of said parts.

7. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing situated between said parts having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out upon severance of said parts, and said framing having a flared upper rim for protecting said upper part at its junction therewith.

8. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing secured to said upper part being situated between both of said parts and having an upwardly tapered bore, and a registering absorbent tablet of upwardly frusto-conical configuration adapted to seat in said bore and sustain the tobacco, and said tablet dropping out upon severance of said parts, and said framing having a flared upper rim for protecting said upper part at its junction therewith.

9. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a tablet of upwardly frusto-conical configuration, and a framing situated between said parts having an upwardly tapered bore adapted to receive said tablet, said tablet dropping out upon severance of said parts, and said tablet having a projection adapted to rest upon the bottom of said lower part for sustaining it in lodged state within said framing.

10. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing held by said upper part having a recess, and an absorbent tablet registering with said recess and sustaining the tobacco, and said tablet dropping out upon severance of said parts.

11. A tobacco pipe having the combination of a bowl, said bowl having its upper part severable from its lower part, a framing held by said upper part having a recess, an absorbent tablet registering with said recess, said tablet dropping out upon severance of said parts, and means to removably join said parts to each other, said framing having its upper rim configurated to protect said upper part at its junction therewith.

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