

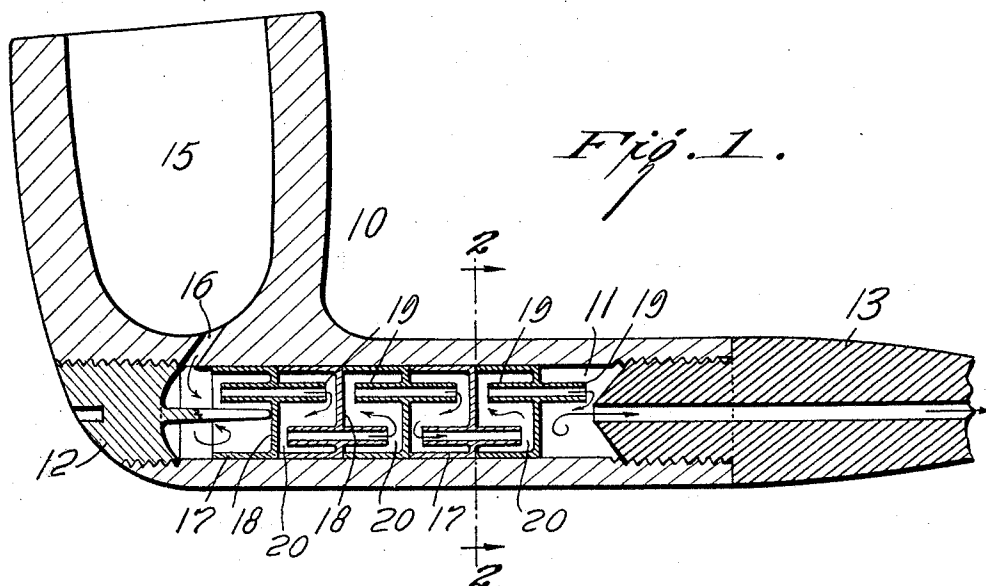
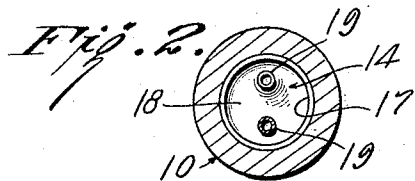
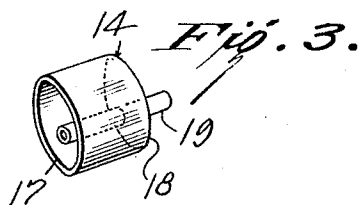
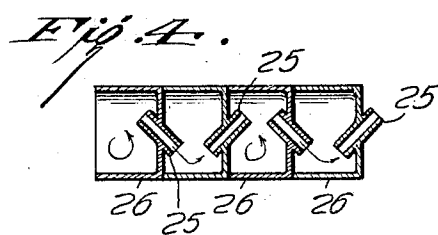
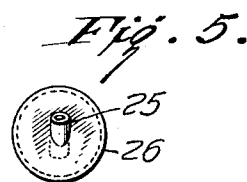
Dec. 13, 1932.

J. A. STRAWN

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SMOKING PIPE

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SMOKING PIPE

Application filed December 13, 1930. Serial No. 502,168.

My invention relates to smoking pipes, and has for an important object the provision of an extremely simple and highly effective means embodied in the stem of the pipe for delaying the smoke in its passage from the bowl through the stem into the mouth piece, impelling the smoke to assume a circuitous passage and thereby rendering it comparatively cool and free from nicotine before it reaches the mouth of the smoker.

A further object of the invention is to provide a plurality of similarly formed shell sections, when, in their assembled position provide a series of spaced cooling chambers or reservoirs for receiving the nicotine and tar-like substances from the tobacco usually liberated by the heat and at the same time effectually preventing the saliva from reaching the bowl of the pipe.

A still further object of my invention resides in a pipe which may be readily disjoined, easily cleansed and instantly reassembled for use.

The scope of my invention is not to be limited merely to the details as shown and described but extends to whatever construction may be included within the terms or language of the appended claims.

Other objects and advantages of the invention will be apparent from the following description taken in connection with the accompanying drawing, in which

Figure 1 is a longitudinal sectional view taken through a smoking pipe embodying my invention;

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a view in perspective illustrating one of the removable cylindrical sections associated with my invention;

Figure 4 is a detail sectional view showing a plurality of shell sections in another form of my invention, and

Figure 5 is an end view thereof.

My invention in the forms or embodiments shown in the drawing, and briefly described, comprises a smoking pipe indicated generally as at 10, provided with a substantially cylindrical bore, 11, a removably mounted plug

12, a stem 13, and a plurality of shell sections shown generally as at 14.

The pipe, 10, which may, of course, be of any desired shape, is provided with the usual bowl, 15, and the duct, 16, which connects the bowl, 15, with the cylindrical bore, 11.

As it will be noted with particular reference to Figure 1 in the accompanying drawing, the threaded openings for the plug and stem, 12, and 13, are in direct alignment with and of a slightly larger diameter than the cylindrical bore 11, for a purpose to be hereinafter described.

In the embodiment of my invention illustrated in Figures 1, 2 and 3, each of the shell sections 14, is preferably formed of relatively thin metal and comprises a tubular or cylindrical portion 17, and an integrally formed and transversely extending wall or end 18. A relatively small tube 19, is adapted to extend through the end or wall 18, and secured in any desired manner. These tubes 19, extend longitudinally with respect to the shell sections and are mounted eccentrically for the purpose of compelling the smoke to assume a circuitous passage. It will be further noted that these tubes extend to within a short distance of the adjacent ends or walls 18, thereby providing spaces 20, between the ends of the tubes and their respective walls. When smoke comes in contact with these transversely extending walls, any moisture or resinous substances contained therein will be deposited against these walls and caused to trickle downwardly into the bottoms of the shell sections or the bottom of the bore 11. Likewise saliva which has passed through the stem or mouth piece 13, will be dropped within the bore 11, and this mixture with the nicotine or resinous substances effectually eliminated.

Each end of the bore 11, is similarly screw threaded for the reception of the removably mounted plug 12 and mouth piece 13. These screw threads are slightly larger than the diameter of the bore 11, for the purpose of readily permitting the shell sections to be slid into and out of the bore 11, from either end. It may be here stated that a pipe stem thus formed with a substantially large bore

may be readily cleaned with a minimum amount of effort. Although it is preferable, in replacing the shell sections 14, within the bore 11, that the tubes 19, be oppositely disposed as shown in Figures 1 and 2, the desired effect will be obtained with these tubes 19, in various positions.

In the disclosure of my invention illustrated in Figures 4 and 5, I arrange the relatively small tubes 25 in angular relation with their respective shell sections. In this embodiment of the invention the smoke is also compelled to assume a circuitous course.

Although I have described the shell section as being preferably formed of suitable sheet metal, it is to be understood that it may be either die cast of metal, or other substances such as hard rubber or bakelite.

What I claim is,

1. A smoking pipe comprising a stem portion having a cylindrical bore therethrough, a substantially cylindrical shell snugly and removably fitted within the bore of said stem, said cylindrical shell provided with a transversely extending wall portion integrally formed therewith and a relatively thin tubular member extending through said transverse wall and secured thereto, substantially midway its length thereof.

2. A smoking pipe, comprising a stem portion having a cylindrical bore, a plurality of shell sections within the bore and having transversely extending wall portions and longitudinally extending and eccentrically disposed tubular members secured to their respective wall portions.

3. A smoking pipe, comprising a stem portion having a cylindrical bore, and a plurality of shell sections within the bore and having transversely extending wall portions and longitudinally extending and eccentrically disposed tubular members secured to their respective wall portions, said tubular members extending from each side of its wall portion to within a relatively short distance of the adjacent wall portion.

In witness whereof I have signed this specification.

JAMES A. STRAWN.