Sept. 18, 1923.

1,468,306

C. H. LYON

SMOKING PIPE

Filed Sept. 23, 1920

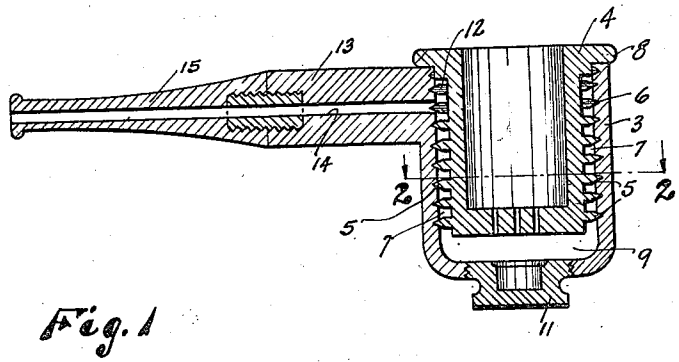


Fig. 1

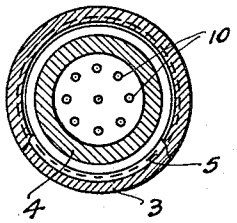


Fig. 2

Witnesses:
C. E. Tweedy
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Inventor
Charles H. Lyon
By Joshua R. H. Scott
His Attorney

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UNITED STATES PATENT OFFICE.

CHARLES H. LYON, OF CHICAGO, ILLINOIS.

SMOKING PIPE.

Application filed September 23, 1920. Serial No. 412,315.

To all whom it may concern:

Be it known that I, CHARLES H. LYON, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Smoking Pipes, of which the following is a specification.

My invention relates to improvements in smoking pipes, and has for its object the provision of an improved construction of this character which operates to purify and cleanse the smoke entering the mouth.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Fig. 1, is a vertical section of a pipe embodying my invention, and

Fig. 2, a section taken on line 2—2 of Fig. 1.

The preferred form of construction, as illustrated in the drawings, comprises an outer bowl 3 and an inner bowl 4, the bowl 4 being provided with a comparatively deep external thread 5 and the bowl 3 being provided with a comparatively shallow internal thread 6 fitting thread 5 and forming a tortuous helical smoke passage 7 between said bowls, as will be readily understood. By this arrangement, the threads on the bowls perform a double function, namely, constitute means for detachably securing the bowls together and at the same time form a long tortuous smoke passage or tube.

The bowl 4 is provided at its upper outer edges with a stop flange 8 arranged to contact with the upper edge of bowl 3 to limit the inward movement of the inner bowl so as to form a collecting chamber 9 under bowl 4. The inner bowl 4 is provided with the usual tobacco chamber, with openings 10 leading through the bottom thereof to permit withdrawal of the smoke therethrough. A removable plug 11 in cup-form is threaded into the bottom of bowl 3 to provide a ready means for cleaning the chamber 9. As will be observed, particularly in Fig. 1 of the drawing, the external thread 5 on the bowl 4 does not extend to the stop flange 8, the two uppermost turns of said thread being omitted or removed and thus forming an enlarged annular smoke chamber 12 immediately under the flange 8. A stem 13 is formed on bowl 3 having its smoke passage connecting with chamber 12, the usual amber or other bit 15 being provided on said stem.

By this arrangement, the smoke will be drawn first into chamber 9, which is comparatively large, and will pass thence up through passage 7 helically around bowl 4 and entering chamber 12, whence it passes through the stem to the mouth of the smoker. In chamber 9 the direction of travel of the smoke is abruptly changed, the speed of travel is greatly reduced owing to the size of said chamber, and the deposit of solid or other objectionable matter in the smoke is thus greatly facilitated. Then the smoke passing up through the comparatively long and narrow passage 7 will be subjected to numerous changes of direction and exposed to comparatively large surfaces, thus tending to further deposit solid and objectionable matter. In chamber 12, the speed of travel of the smoke is again reduced, which tends to facilitate deposits of solid and objectionable matter. Thus, the smoke will be thoroughly cleansed and purified before passing to the mouth of the smoker. It will be observed that the bowl 4 may be readily removed for cleaning purposes, as also may the plug 11.

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 claims.

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

1. A smoking pipe comprising an outer bowl and an inner bowl removably fitting therein, said bowls being threaded together, the thread on one bowl having comparatively deep threads and the thread on the other bowl having comparatively shallow threads, thus forming an upwardly extending helical smoke passage surrounding the inner bowl, there being smoke openings extending through the bottom of said inner bowl and communicating with the lower end of said passage; and a stem communicat-

ing with the upper end of the passage formed by said threads, substantially as described.

2. A smoking pipe comprising an outer bowl having shallow internal threads; an inner bowl having comparatively deep external threads to fit said internal threads, there being smoke openings extending through the bottom of said inner bowl; a stop on said inner bowl limiting the movement thereof into said outer bowl to form a collecting chamber; an enlarged annular smoke chamber surrounding the upper portion of said inner bowl; and a pipe stem communicating with said annular chamber, substantially as described.

3. A smoking pipe comprising an outer bowl having shallow internal threads; an inner bowl having comparatively deep external threads to fit said internal threads, there being smoke openings extending through the bottom of said inner bowl; a stop on said inner bowl limiting the movement thereof into said outer bowl to form a collecting chamber; an enlarged annular smoke chamber surrounding the upper portion of said inner bowl; a pipe stem communicating with said annular chamber; and a removable plug for said collecting chamber, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES H. LYON.

Witnesses:
JOSHUA R. H. POTTS,
ROSE K. TRIB.