(No Model.)

W. R. CHADSEY.

TOBACCO PIPE.

No. 311,469. Patented Feb. 3, 1885.

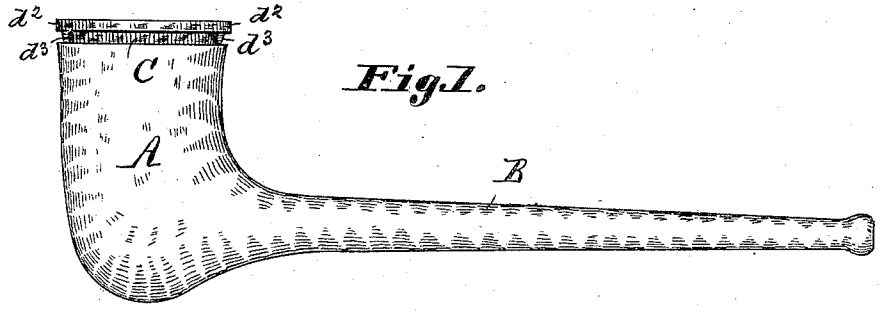


Fig. 1.

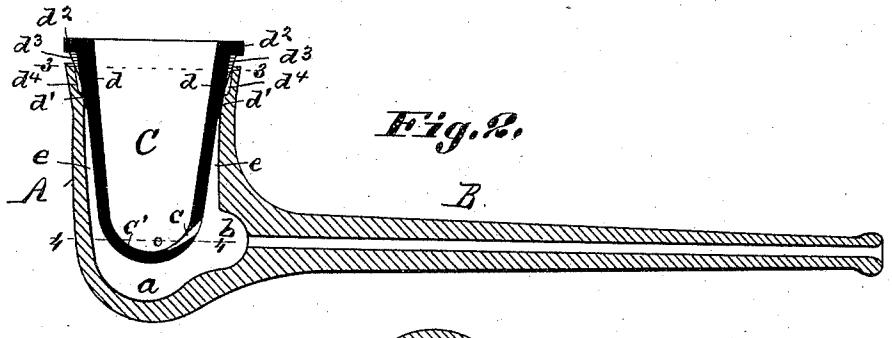


Fig. 2.

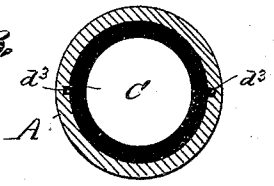


Fig. 3.

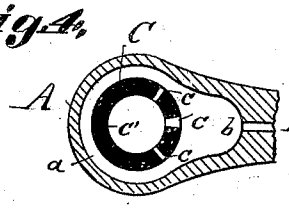


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM R. CHADSEY, OF ST. LOUIS, MISSOURI.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 311,469, dated February 3, 1885.

Application filed February 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. CHADSEY, a citizen of the United States, residing at St. Louis, and State of Missouri, have invented a new and useful Improved Tobacco-Pipe, of which the following is a specification.

My invention relates to that class of tobacco-pipes in which the tobacco is smoked from a thimble or inside bowl contained within an outer bowl or pipe.

I will first fully describe the construction and manner of using my improved tobacco-pipe, and hereinafter point out the novel features thereof in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved tobacco-pipe. Fig. 2 is a longitudinal sectional elevation. Fig. 3 is a plan section on line 3 3; Fig. 4, a plan section taken on line 4 4.

Similar letters refer to similar parts throughout the several views.

A represents the outer bowl of the pipe.

B represents the pipe-stem.

C represents the thimble or inside bowl to contain the smoking-tobacco.

a represents what I term the "saliva-chamber," which is a hollow or concavity formed in the inside of the outer bowl or pipe. (See Fig. 2.)

At *b* the front of the pipe-stem has its channel enlarged, to form a hollow or clearance chamber, the position and curvature of which, as shown, facilitates the passage of the saliva, moisture, &c., flowing down and collecting in the saliva-chamber. It also widens the distance between the tobacco and the pipe-stem, hence the latter remains open, free, and presents a clear channel for the passage of the smoke only.

C is the thimble or inside bowl, made U-shaped, and fitted to be seated in the outer bowl, as will hereinafter appear. The bottom of the thimble has the perforations or openings *c c* in the front, it being noted that the rest of the bottom, marked *c'*, is left solid, as shown in Figs. 2, 4. The openings *c c* are made diagonal at an angle of, say, forty degrees, so that the opening outside the wall of the thimble shall be higher than that part of the opening on the inside, (see Fig. 2,) the purpose of giving the openings *c* this taper or inclination being to prevent the passage through the same of ashes, burned particles, &c., and only permit the smoke to pass and reach the pipe-stem. Further, in thus making the openings diagonal and the remaining portion of the bottom *c'* solid the saliva, nicotine, and deposits in the bottom of the outer bowl are prevented from reaching the tobacco or interfering with the passage of the smoke to the pipe-stem. The outer face of the thimble at *d* is beveled, to correspond with the like beveled inner face, *d'*, of the outer bowl, for purposes of seating the thimble until from wear or usage its shoulder at d^2 is reached or bears against the top of the outer pipe. Further, to properly seat the thimble it has the opposite projections, marked d^3, fitted to engage in corresponding notches, d^4, of the bowl. By these locking devices the thimble can be guided to its seat, kept from play, and specially have at all times its central opening, *c*, brought in line directly opposite the channel of the pipe-stem, and as indicated in Figs. 2 and 4. The surrounding space or clearance *e* between the thimble and outer bowl gives room for the former to expand when the pipe proper is used.

The pipe can be of clay, meerschaum, &c., and when held in an angular position, as usual for smoking purposes, all saliva, drippings, nicotine, and unwholesome matter can be kept separated from the pipe-stem, and also from the tobacco; hence the pure smoke and flavor from the latter only pass through the pipe-stem.

What I claim is—

1. The outer bowl, A, having the bevel-face *d'* and the notches d^4, in combination with the inside bowl, C, having the like bevel-face, *d*, and opposite projections, d^3, for seating the said thimble or inside bowl in the manner and for the purposes set forth.

2. The improved tobacco-pipe, consisting of the outer bowl, A, with stem B, having the trough-shaped bottom portions, *a b*, the bevel-face *d'*, and the notches d^4, and the thimble C, having diagonal openings *c c*, the solid bottom portion, *c'*, the upper bevel-face, *d*, and projections d^3, all combined and operating substantially in the manner and for the purposes set forth.

In testimony of said invention I have hereunto set my hand.

WILLIAM R. CHADSEY.

Witnesses:

WILLIAM W. HERTHEL,

HENRY THON.