

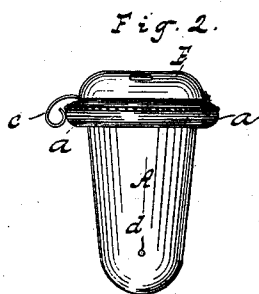
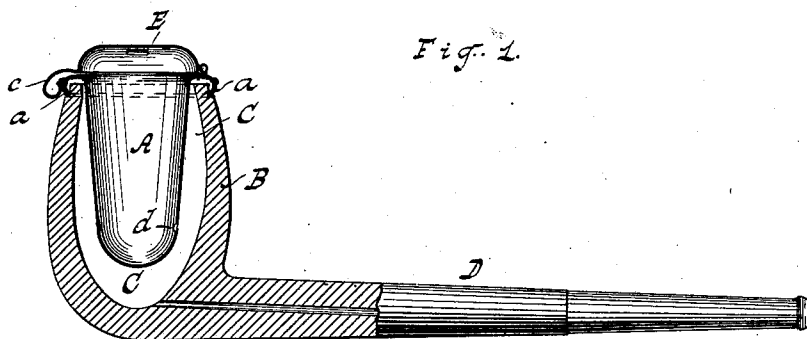
(No Model.)

W. L. PALMER.

TOBACCO PIPE.

No. 334,462.

Patented Jan. 19, 1886.



WITNESSES:

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WILFORD L. PALMER, OF NEW YORK, N. Y.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 334,462, dated January 19, 1886.

Application filed May 28, 1885. Serial No. 166,969. (No model.)

To all whom it may concern:

Be it known that I, WILFORD L. PALMER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Tobacco-Pipes, of which the following is a specification.

My invention relates to improvements in tobacco-pipes; and it consists in the construction of parts pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a sectional view of my improved tobacco-pipe. Fig. 2 is an elevation of the tobacco-holder detached.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates a thimble-shaped receptable which is intended for the reception of the tobacco, and which I shall hereinafter designate the "tobacco-holder." This tobacco-holder is provided with a rim or flange, *a*, on its upper edge, and extends outwardly and downwardly, as clearly shown. The lower or downwardly-projecting portion is made to close up tight against the outside surface of the bowl B. This rim or flange *a* serves to sustain the holder, and also closes air-tight the air-chamber C, which is formed between the holder A and the bowl, and which surrounds the holder and extends over the upper edge of the bowl, so that there is but a small surface of contact between the bowl and the holder, and said surface of contact is located on the outside of the bowl. The material of the holder and flange being of a somewhat elastic nature, the holder can be easily removed when desired, while at the same time, when the holder is suspended in the bowl, there is no danger of the same falling out in case the pipe should be turned mouth downward, and no further means of securing the holder are required. At some distance above the bottom of the tobacco-holder a hole, *d*, is formed, through which the smoke is drawn through the stem D, the hole in which communicates with the chamber C at or near the bottom of the latter.

Instead of only having one hole, *d*, as described, several such holes or perforations may be made in the bowl; but I have found that one hole is sufficient to insure a perfect and free draft, while its size can be made suffi-

ciently small to prevent any small particles of tobacco from passing into the chamber C. The hole *d* could be placed directly in the bottom of the tobacco-holder; but the position of the same, as shown in the drawings, is preferable for the reason that the saliva which accumulates in the stem and chamber cannot possibly enter the holder and come into contact with the tobacco, while at the same time the oil of the tobacco cannot enter into the stem, but will remain in the bottom of the bowl, and, although the hole is above the bottom of the holder, all the tobacco will be consumed, and the smoke drawn through the tube will always be agreeable to the taste and unaccompanied by any deleterious or nauseous elements.

The holder is made detachable in order that the bowl can be easily cleansed by washing or otherwise.

To the upper end of the tobacco-holder—that is to say, on the rim or flange *a*—is hinged a perforated cap or cover, E, of the usual pattern, which is provided with a suitable catch, *c*, by which it can be fastened in position. The rim or flange can be provided with a milled bead over which the catch snaps.

As shown in the drawings and previously described, the tobacco-holder is only in contact with the outer surface of the bowl of the pipe along the edge of the flange or rim, and consequently the chamber C completely surrounds the said holder, so that the heat of combustion of the tobacco in the bowl will not be directly transmitted to the latter, whereby a comparatively cool bowl is secured.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a pipe-bowl, of the tobacco-holder having its upper edge provided with a rim bent outward and downward with the lower edge of the downward extension bearing against the outer surface of the bowl, said holder having its outward bend separated from the top edge of the bowl to create an unobstructed space entirely around the holder, which extends around the top edge of the bowl to the point of contact of the downward extension with the outside surface of the bowl, substantially as described.

2. The combination, with a pipe-bowl, of the tobacco-holder having its upper edge pro-

vided with a rim bent outward and downward,
with the lower edge of the downward exten-
sion bearing against the outer surface of the
bowl, said holder having its outward bend
5 separated from the top edge of the bowl to
create an unobstructed space entirely around
the holder, which extends around the top edge
of the bowl to the point of contact of the
downward extension with the outside surface of
10 the bowl, and the cover E hinged directly to the

bent rim of the tobacco holder and detachable
from the bowl with said holder, substantially
as described.

In testimony whereof I have hereunto set
my hand and seal in the presence of two sub- 15
scribing witnesses.

WILFORD L. PALMER. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.