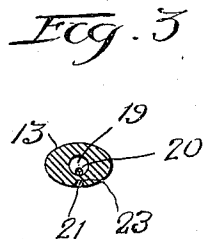
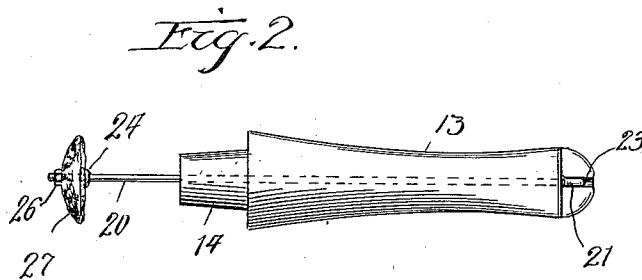
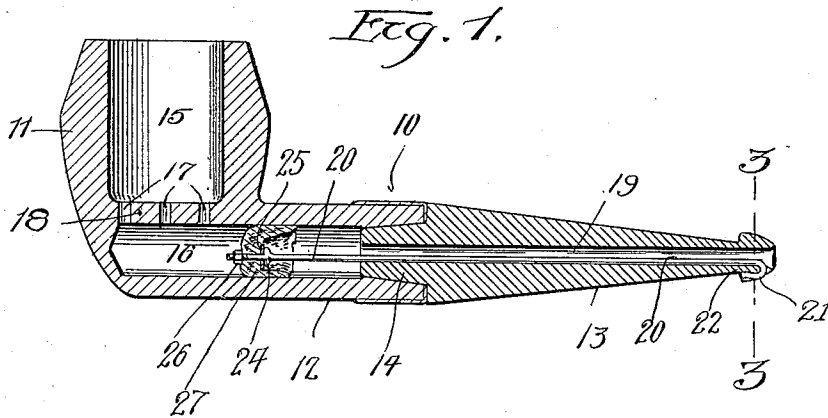


E. DANNENBERG.
PIPE.
APPLICATION FILED APR. 3, 1911.

1,006,916.

Patented Oct. 24, 1911.



Witnesses:
J. Dannenberg.
George C. Otto.

Inventor:
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by Charles O. Shewey
his Atty.

UNITED STATES PATENT OFFICE.

EDWARD DANNENBERG, OF CHICAGO, ILLINOIS.

PIPE.

1,006,916.

Specification of Letters Patent.

Patented Oct. 24, 1911.

Application filed April 3, 1911. Serial No. 618,504.

To all whom it may concern:

Be it known that I, EDWARD DANNENBERG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Pipes, of which the following is a specification.

This invention relates to pipes, and more particularly to improvements in that class of pipes wherein is provided means for filtering the smoke and absorbing the nicotine.

The object of this invention is to provide a cheap, simple and practical pipe of this type and to overcome certain objectionable features hitherto found in pipes.

To such ends this invention consists in the several novel features of construction and arrangement set forth in the following specification and particularly pointed out in the appended claims.

The invention is illustrated in the drawings furnished herewith, in which—

Figure 1 is a longitudinal section through a pipe embodying my improvement, Fig. 2 is an underplan view of the mouth-piece and a body of absorbent material carried thereby and Fig. 3 is a detail vertical cross section taken on the line 3—3 of Fig. 1.

Referring to said drawings, 10, represents a pipe having the usual bowl 11, stem 12, and mouth-piece 13, detachably secured to the stem as by a neck 14, fitting tightly in the bore of the stem 12. There are many ways of detachably securing the mouth-piece to the stem and accordingly it may be secured thereto in any of the desirable ways. The bowl contains the usual tobacco chamber 15, and the stem contains the smoke passageway 16, of large diameter, communicating with the chamber in the bowl through a series of perforations 17, formed in a partition 18, that may, if desired, be formed integral with the bowl of the pipe. The smoke passageway 16, opens into a tubular passageway 19, in the mouth-piece, as usual.

Detachably secured to the mouth-piece is a filter support, here being shown in the form of a piece of wire 20, extending through the passageway 19, of the mouth-piece and having its outer end bent into the form of a hook 21, grasping the wall of the mouth-piece as shown at 22, with its end preferably lying in a groove 23, in the mouth-piece so as to do away with any projecting parts.

The inner end of the wire support projects

into the smoke passage 16, and carries a pad or body of absorbent material 27, such as sponge or the like, which is removably secured to the wire support 20. In the form shown, the wire support is formed with a head or enlargement 24, near its inner end, against which is placed a washer 25, the outer end of the wire support being threaded to receive a nut 26. The absorbent material is held upon the end of the wire support between the nut 26, and washer 25. It is obvious that any equivalent connecting device may be substituted for the means shown for securing the absorbent material upon its wire support and therefore I do not wish to confine myself to the particular form shown. The head 24, is of substantially the same diameter as the bore of the mouth-piece, whereby the latter may be cleaned by drawing the wire support therethrough.

In the use of this pipe the smoke is drawn through the absorbent filtering material, which prevents anything else but the smoke from passing through the smoke passageways, also absorbing any saliva or nicotine that may gather in the smoke passageways. The filtering material may be readily cleaned by separating the mouth-piece from the stem and rinsing off the filtering material. The filtering material may then be squeezed dry and re-inserted into the chamber 16, of the stem. If desired the filtering material may be readily removed from the wire support and replaced by a fresh body of filtering material, and the wire support may be drawn through the mouth-piece to clean the passageway therein by first removing the filtering material from its end. The hook 21, at the outer end of said wire stem is so arranged as to clamp upon the wall of the mouth-piece to hold the wire support in place.

I am aware that various alterations and modifications of this device are possible without departing from the spirit of my invention, and I do not therefore desire to limit myself to the exact form of construction shown and described.

I claim as new and desire to secure by Letters Patent:

1. A pipe comprising a bowl and stem, a mouth-piece detachably secured to said stem, a wire support extending through the hollow of the mouth-piece and detachably secured thereto at its outer end, and a filter of ab-

sorbent material detachably secured upon the inner end of said wire support.

2. A pipe comprising a bowl and stem, a mouth-piece detachably secured to said stem, a wire support extending through the hollow of the mouth-piece and having a hook formation upon its outer end clamping upon the wall of the mouth-piece, its inner end projecting into the chamber of said stem, and a body of filtering material lying in the chamber of the stem and detachably secured to said wire support.

3. A pipe comprising a hollow bowl and stem, a perforated partition between the cavity in the bowl and the cavity in the stem, a hollow mouth-piece detachably secured to said stem, a wire support lying in the cavity of the stem and the cavity of the mouth-piece and having its outer end detachably secured to the mouth-piece, and a body of filtering material lying within the

cavity in the stem and detachably secured to the wire support.

4. A pipe comprising a bowl and stem, a mouth-piece detachably secured to the stem and having a tubular smoke passageway therethrough, a filter supporting wire extending through said smoke passageway in the mouth-piece and having an enlargement at its inner end arranged to be drawn through the smoke passageway in the mouth-piece to clean the same, the outer end of said wire support being detachably secured to the mouth-piece.

In witness whereof I have hereunto signed my name at Chicago, Cook county, Illinois, this 1st day of April 1911.

EDWARD DANNENBERG.

Witnesses:

A. DANNENBERG,
FANNIE F. RICHARDS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."