

(No Model.)

A. C. WINNING.

TOBACCO PIPE.

No. 323,842.

Patented Aug. 4, 1885.

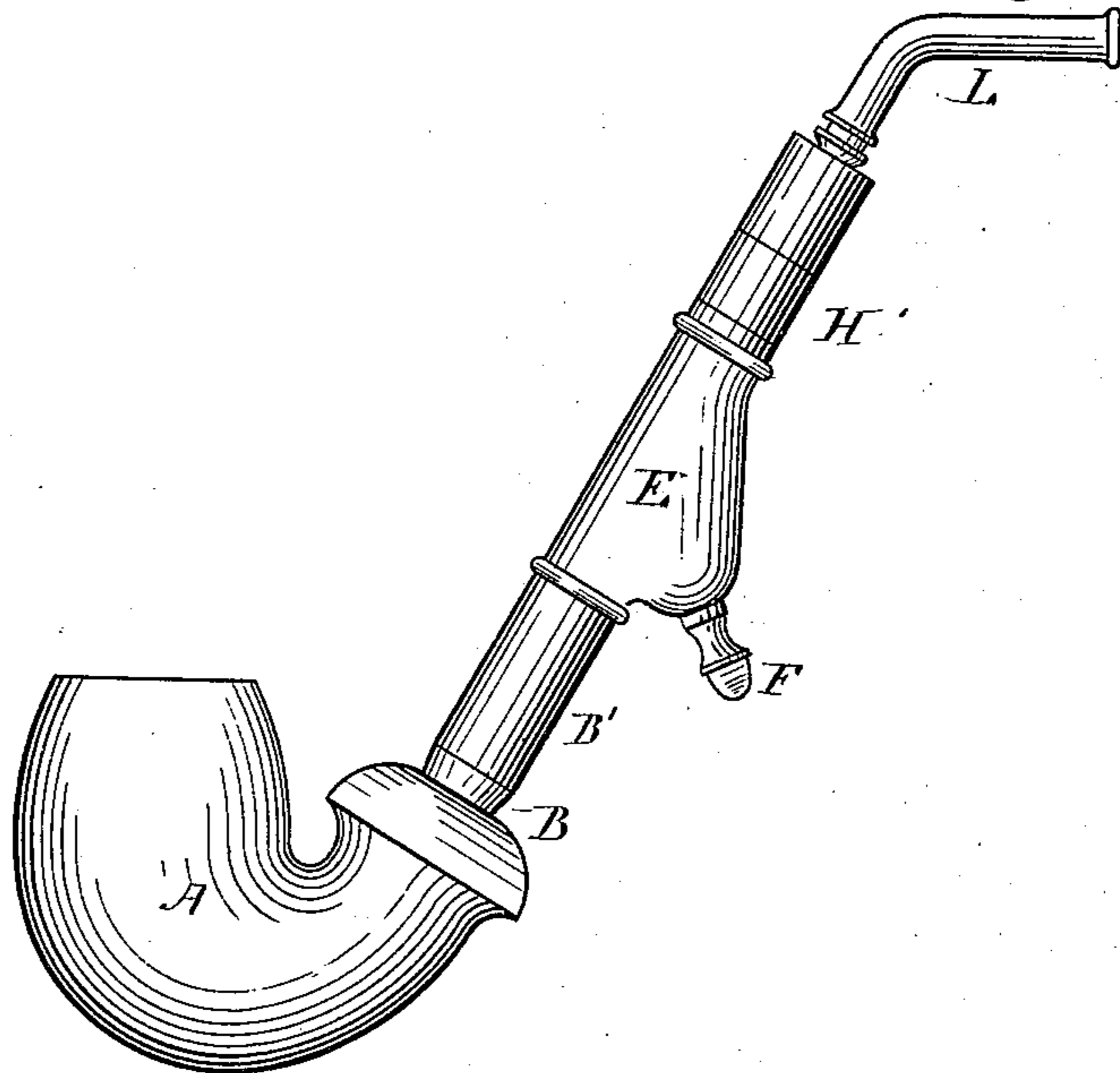


FIG. 1.

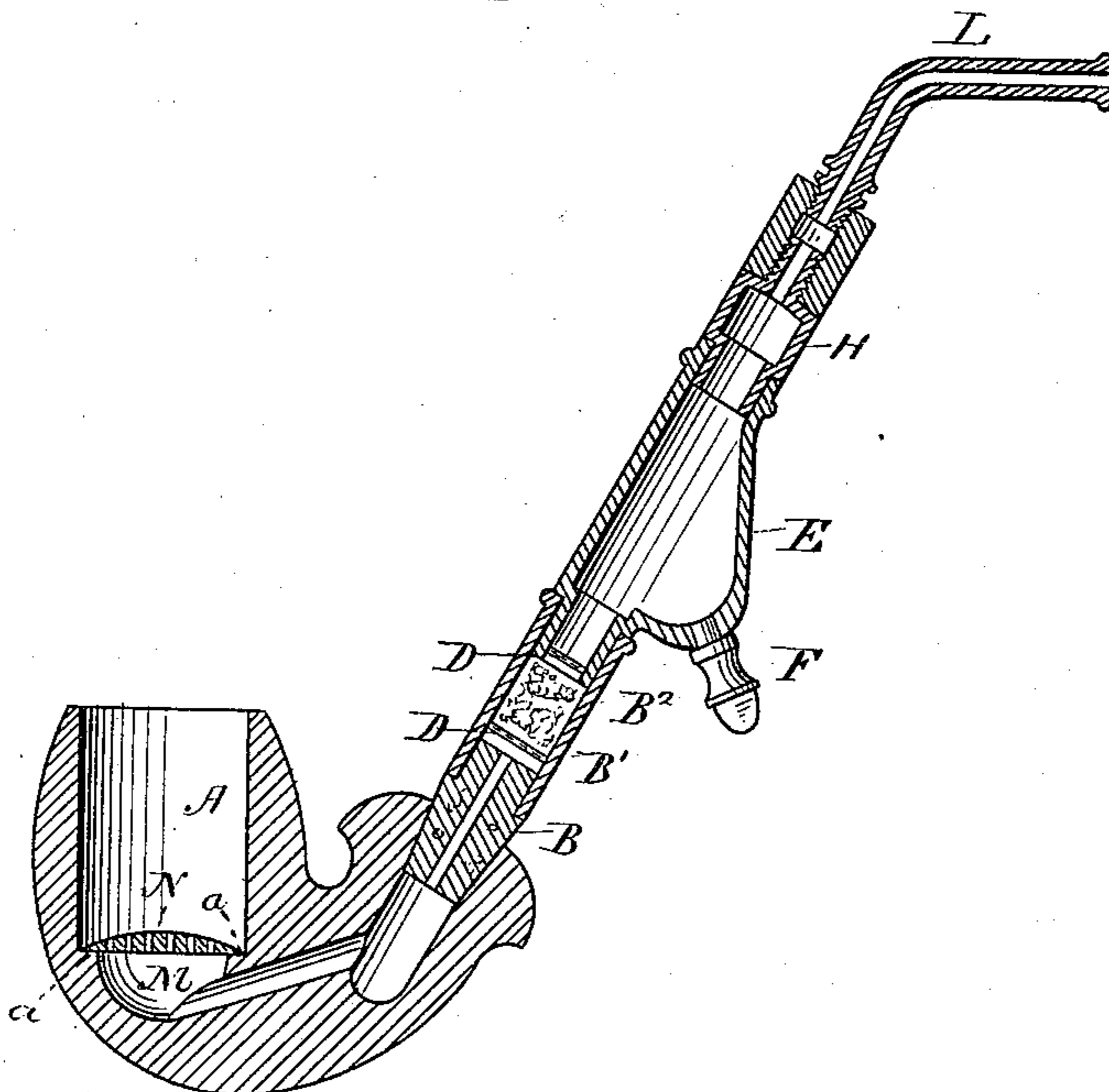


FIG. 2.

WITNESSES.

Frank H. Parker
William Edson

INVENTOR.

Adna C. Winning

UNITED STATES PATENT OFFICE.

ADNA C. WINNING, OF BOSTON, MASSACHUSETTS.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 323,842, dated August 4, 1885.

Application filed March 9, 1885. (No model.)

To all whom it may concern:

Be it known that I, ADNA C. WINNING, of Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Tobacco-Pipes, of which the following, taken in connection with the accompanying drawings, is a specification:

This improvement in pipes for the smoking of tobacco, &c., consists of a stem—that is, of a part leading from the bowl of the pipe to the mouth of the smoker—made in attachable and detachable parts or sections, which in one section; and that a section near the bowl, is provided with a chamber filled with any suitable filtering material—such as cotton fiber—suitably confined between perforated or wire-gauze heads or ends; and in another section, and that a section between said filtering-chamber and the mouth-piece of the stem, is provided with a drip chamber or receptacle which is below, but in communication with, the passage through the stem, and is adapted to be opened and closed by means of a stopper suitably applied therefor, and all in a manner to secure in the process of smoking tobacco in the bowl of the pipe the deposit, in the filtering-chamber of the stem, of the nicotine extracted from the tobacco, and the deposit, in the drip chamber or receptacle of the stem, of the saliva passing from the mouth of the smoker, and without contact or commingling of the one with the other.

In the drawings forming a part of this specification, Figure 1 is a side view of my improved pipe, and Fig. 2 is a central longitudinal section.

In the drawings, A represents the bowl of a tobacco-pipe, and B' E H is the stem, and L is the mouth-piece, all as ordinary, except as hereinafter described. *a* is an annular shoulder surrounding the inside and near the bottom of the tobacco-chamber of the bowl A. On this shoulder *a* rests a perforated disk, N, making the bottom proper of the tobacco-chamber of the bowl A; and below the disk N is a chamber, M, having direct communication with the passage through the stem of the pipe.

The stem proper is in three sections, B', E, and H, which are attached together, making one continuous length of stem, and are adapt-

ed to be attached and detached at pleasure, setting the one into the other. The section B' has a cork plug-piece, B, fitting into the throat of the bowl; and the section H has the mouth-piece L attached to it in the usual manner. The section B', the nearest to the bowl of the pipe, contains a filtering material, B²—such as cotton fiber—confined at each end between gauze or perforated disks D D; and the section E adjoins said section B', and is between it and the mouth-piece of the stem, and forms a drip chamber or receptacle in communication with the smoking passage of the stem. This drip-chamber section E has a clean-out opening closed by a stopper, F, made attachable and detachable at pleasure.

In the smoking of a tobacco-pipe with a stem of the construction and arrangement of chambers above described, the nicotine extracted from the tobacco being smoked in the bowl, and which in the process of smoking passes from the bowl to the stem, is taken up and deposited upon the filtering material in the filtering chamber or section B', where it is retained, while the saliva which passes from the mouth of the smoker into the stem is deposited and retained in the drip chamber or section E, and in both instances without contact or commingling of the one with the other.

The saliva gathered in the drip-receptacle section can be removed from time to time by detaching the stopper F, and thus opening its clean-out opening; and, again, the filtering material, as may be required, can be removed and renewed from time to time simply by separating the parts of the stem and removing one of the perforated partitions D, and then removing the filtering material, and renewing it, and replacing the parts.

The combination of filtering and nicotine and saliva-receiving chambers in the stem of a tobacco-pipe, and in a manner for each to perform its specific work without either a commingling of the nicotine and saliva or without contact of the saliva with the filtering material, coupled with an adaptation of the stem for ready cleansing of either of the chambers independent of the other, obviously tends to maintain at all times a most pure and sweet condition of the stem, and to secure the maximum filtration and deposit of the nico-

tine, for the reason that such filtration and deposit is in no respect affected by the saliva which may enter into the stem from the mouth of the smoker, which, as before stated, is
5 taken up or caught, as it were, in a drip-receptacle therefor interposed between the filtering-chamber and the mouth-piece of the stem.

Having thus described my invention, I claim—

10 In a stem for tobacco-pipes, in attachable and detachable sections, the combination of

the saliva drip-chamber E, having a clean-out opening and closing-stopper F, the filtering-chamber B', provided with wire-gauze disks D D, and a filtering material located between 15 and confined by the disks, substantially as described.

ADNA C. WINNING.

Witnesses:

FRANK G. PARKER,
WILLIAM EDSON.