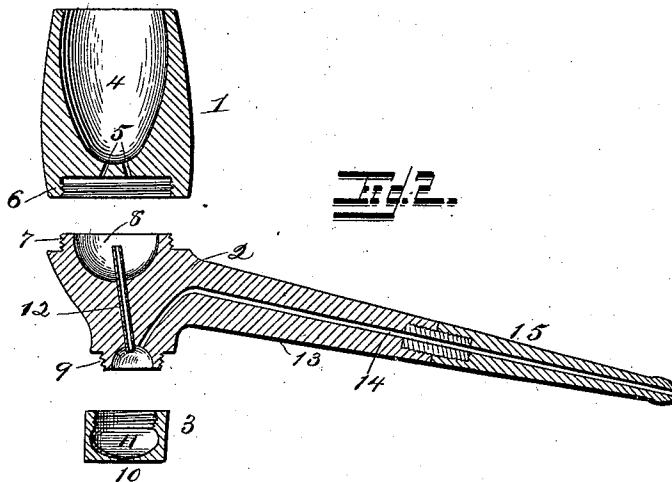
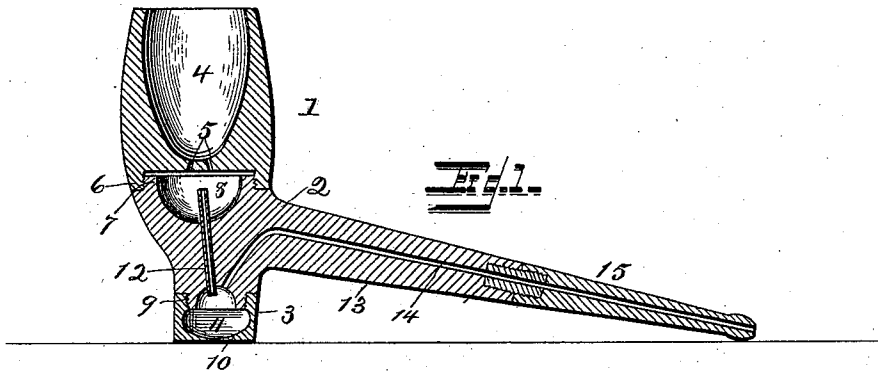


(No Model.)

F. EDLER.
TOBACCO PIPE.

No. 486,093.

Patented Nov. 15, 1892.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANCIS EDLER, OF CHICAGO, ILLINOIS.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 486,093, dated November 15, 1892.

Application filed May 20, 1892. Serial No. 433,765. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS EDLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented certain new and useful Improvements in Tobacco-Pipes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

My invention relates generally to tobacco-smoking pipes, and particularly to improvements in that class thereof in which they are made in separable or removable and replac-
15 able parts or sections, so that they may be readily taken apart, cleaned, and again secured together; and it consists in the peculiarities of construction and arrangement or combination of parts and features herein-
20 after fully disclosed in the description, claims, and drawings.

The objects of my invention are, first, to provide an improved tobacco-smoking pipe in which the main or body portion is constructed
25 in three separate, removable, and replaceable parts or sections and provided with two vertically-arranged nicotine-chambers which are connected or in communication by a vertically-arranged tube or pipe, through which
30 the smoke and nicotine pass from the upper to the lower nicotine-chamber, whereby the passage of nicotine or other deleterious residuum through the stem and mouthpiece is very greatly retarded; second, to provide a
35 tobacco-pipe having the construction just mentioned with a stem formed integrally with the middle part or section thereof and provided with a smoke channel or passage which leads from the upper portion of the lower
40 nicotine-chamber and not from its middle or lower portion, as usual, whereby the passage of the nicotine outward and into the mouth of the smoker is wholly prevented, and, third,
45 to provide other novel parts or features which are accessorial to the attainment of these ends or results and which tend to overcome many of the objections in the construction and use of existing inventions of this character. These objects are accomplished by the
50 peculiarities of construction and arrangement of the parts and features of my inven-

tion, as illustrated in the accompanying drawings, forming part of this specification, in which the same reference-numerals indicate the same parts and features, and in which— 55

Figure 1 represents a longitudinal vertical section of my improved tobacco-smoking pipe with its parts or sections in their normal positions, and Fig. 2 a similar view of the same with its parts or sections detached or
60 disconnected.

In the drawings the main or body portion of my improved tobacco-smoking pipe is shown as constructed in three separate, removable, and replaceable parts or sections, the
65 numerals 1, 2, and 3, respectively, indicating the upper, the middle or intermediate, and the lower parts or sections. The upper section 1 constitutes the bowl of the pipe and is formed with the tobacco-chamber 4, having
70 the small holes 5 around the central portion of its bottom and with the annular flange 6 around the lower end thereof, having its inner surface screw-threaded. The middle or
75 intermediate section 2 of the pipe is formed at its upper end with the upwardly-projecting annular collar 7, which is exteriorly screw-threaded and adapted to be removably secured within said annular flange 6; also in the upper portion of this section of the pipe
80 is formed the upper nicotine-chamber 8, and at its lower portion is formed the downwardly-projecting annular collar 9, which is exteriorly screw-threaded and adapted to be removably fitted within the upper portion of
85 the interiorly-screw-threaded cup or receptacle 10, which constitutes the lower part or section 3 of the pipe and contains the lower nicotine-chamber 11, which also serves as a saliva-receptacle. 90

The upper and lower nicotine-chambers 8 and 11 are made to connect or communicate by the small vertically and centrally arranged tube or pipe 12, which projects upwardly and into said upper chamber for about one-half
95 of the height or depth thereof, so as to allow no nicotine to escape therefrom until a sufficient quantity has accumulated therein to cause its overflow through said pipe and down into said lower chamber. The integrally-constructed stem 13 and middle section 2 of the
100 pipe are formed with the smoke-passage 14,

which is downwardly curved at its inner end and enters or connects with the upper portion of the lower nicotine-chamber 11 and not with the middle or lower portion thereof, as is usual, whereby the passage of the nicotine upward, outward, and into the mouth of the smoker is rendered impossible; also this smoke-passage has the function of conveying saliva downwardly through the mouthpiece 15, the stem 13, and the central section 2 of the pipe, and into the lower nicotine-chamber 11.

In addition to what is obvious and already explained in relation to the construction, capabilities, and advantages that are incident to my improved tobacco-smoking pipe it may be further stated that the smoke passes down through the small holes in the bottom of the tobacco-chamber and into the upper nicotine-chamber, thence through the small vertically and centrally arranged tube or pipe, and down into the lower nicotine-chamber, and thence upwardly and outwardly through the passage formed in the middle section, stem, and mouthpiece; that no nicotine or other residuum can pass down into the lower nicotine-chamber until it has accumulated to a sufficient depth in the upper nicotine-chamber to overflow through the small tube or pipe connecting said chambers; that when the nicotine reaches said lower chamber it will be impossible for an ordinary degree of suction, such as is due to smoking, to draw the same upwardly and outwardly and into the mouth of the smoker; that any saliva entering the smoke-passage in the stem will pass down through the same and into the lower nicotine-chamber, whence it can be easily removed; that the three main parts or sections of the pipe being only screwed together can be easily and quickly separated and replaced for cleaning, repairs, and the like, and that this pipe can be manufactured without great expense, comparatively, out of any of the usual or ordinary materials employed; but I am at present manufacturing the same from meerschaum with the exception of the mouthpiece and the lower nicotine-chamber, which are made from amber, and that such ornamentation may be applied thereto, as desired.

Having thus fully described the construction, arrangement, capabilities, and advantages of the parts and features of my im-

proved tobacco-smoking pipe, what I claim as new is—

1. A tobacco-smoking pipe having its main or body portion provided with two vertically-arranged nicotine-chambers with a small vertically-arranged tube or pipe connecting the same and having its upper end extended above the bottom of the upper one of said chambers and with a smoke-passage communicating with the extreme upper portion of the lower one of said chambers and having a downwardly-curved inner end, substantially as described.

2. A tobacco-smoking pipe having its main or body portion formed of three separate, removable, and replaceable parts or sections and provided with two vertically-arranged and centrally-communicating nicotine-chambers with a small vertically-arranged tube or pipe connecting the same and with a single smoke-passage communicating with the extreme upper portion of the lower one of said chambers, substantially as described.

3. A tobacco-smoking pipe having its main or body portion formed of three separate, removable, and replaceable parts or sections and provided with two vertically-arranged and centrally-communicating nicotine-chambers with a small vertically-arranged tube or pipe connecting the same and with a single smoke-passage communicating with the extreme upper portion of the lower one of said chambers and having a downwardly-curved inner end, substantially as described.

4. A tobacco-smoking pipe having its main or body portion formed of three separate, removable, and replaceable parts or sections and provided with two vertically-arranged and centrally-communicating nicotine-chambers, the middle section of the said pipe being formed integrally with the stem thereof and provided with a single smoke-passage having a downwardly-curved inner end communicating with the extreme upper portion of the lower one of said chambers, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANCIS EDLER.

Witnesses:

CHAS. T. FARSON,
EDWARD J. WOODWARD.