

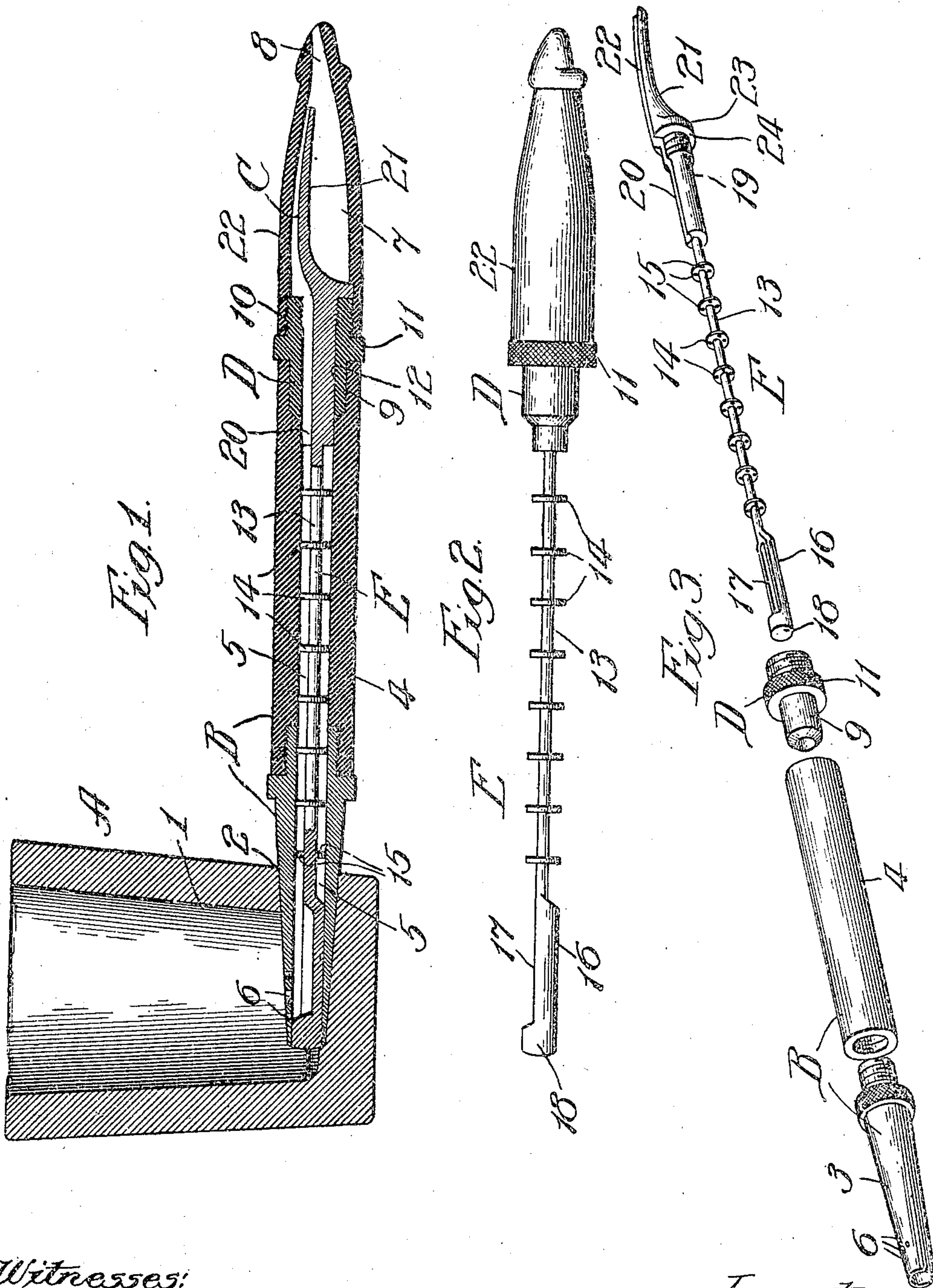
J. R. PERRY.

TOBACCO PIPE.

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948,635.

Patented Feb. 8, 1910.



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UNITED STATES PATENT OFFICE.

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TOBACCO-PIPE.

948,635.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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To all whom it may concern:

Be it known that I, JOHN R. PERRY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Tobacco-Pipes, of which the following is a specification.

My invention relates particularly to means for separating nicotin from tobacco-smoke in pipes, and preventing saliva from entering the bore of the pipe-stem and thus reaching the bowl of the pipe.

The present invention constitutes a modification of the invention disclosed in my application No. 475,050 filed of even date herewith.

My primary object is to provide a construction of pipe-stem and nicotin-collector adapted for connection with a pipe-bowl which is formed without a stem, the invention being particularly applicable to briar and corn-cob pipes.

The invention is illustrated in its preferred embodiment in the accompanying drawing, in which—

Figure 1 represents a sectional view of a pipe constructed in accordance with my invention; Fig. 2, a side elevational view showing the mouth-piece and a nicotin-collector carried thereby detached or withdrawn from the pipe-stem; and Fig. 3, a perspective view showing the pipe-stem parts and the nicotin-collector.

In the construction illustrated, A represents a pipe-bowl; B, a stem for the pipe; C, the mouth-piece; D, a tubular nipple connecting the mouth-piece and stem; and E, a nicotin-collector connected to the mouth-piece through the medium of the nipple D. The pipe-bowl A is formed with the usual chamber 1 for tobacco and has extending through one of its walls near its base a perforation 2 adapted to receive the pipe-stem. The pipe-stem B preferably comprises an inner tubular section 3 which tapers externally, as shown, and which has its inner end projecting into the bowl of the pipe; and an outer section 4 removably connected with the section 3 by means of screw connection. The pipe-stem has a straight, smooth bore 5 which extends entirely through it, the inner section 3 being open at both ends. The upper wall of the inner section 3 is provided with perforations 6, which afford communication between the

chamber 1 of the pipe-bowl and the bore 5 of the stem. The mouth-piece C is formed with a saliva-chamber 7 from which leads a passage 8 which extends through the tip of the mouth-piece. The nipple D comprises an inner end-portion 9, which has slip-joint connection with the outer end of the section 4 of the stem, an outer end-portion 10 which is externally threaded and connected with the base-end of the mouth-piece which is correspondingly internally threaded, and an external flange, or collar, 11 which is located about centrally with relation to the nipple. The nipple has a bore 12 of the same diameter as the bore 5 of the stem. The device E comprises preferably a rod 13 equipped with disks 14 provided with minute perforations, or smoke-passages 15; an extension 16 at the end of the rod 13, which is located in the inner end-portion of the section 3 of the pipe-stem and which has its upper portion cut away as indicated at 17 and dished out to form a pan located beneath the perforations 6, the end-portion of the member 16 being left in the form of a disk 18 which forms a plug for the inner end of the tubular member 3 of the stem; a shank 19 which extends through the nipple D and carries the rod 13, said shank having a longitudinal groove 20 in its upper portion which affords a smoke passage through the nipple D; and a saliva-deflector, or separator, 21 carried by the upper portion of the outer end of the shank 19 and provided in its upper portion with a longitudinal groove 22 which forms a continuation of, but is offset from, the groove 20. The outer end of the shank 19 is enlarged as indicated at 23, thus affording a shoulder 24 which abuts against the outer end of the nipple D. Adjacent to the shoulder 24, the shank 19 is enlarged somewhat and threaded, and the interior of the adjacent end of the nipple D is correspondingly threaded to afford screw connection between the parts. The member 21 is curved slightly lengthwise to conform to the upper wall of the chamber 7 of the mouth-piece.

The manner of use will be readily understood. In the use of the pipe, the smoke is drawn through the passages 6 into the bore 5 of the pipe-stem and thence through the minute perforations 15 of the disks 14, thence through the passages 20 and 22 into the

mouth-piece. In the passage of the smoke, the nicotin is for the most part separated and collected in the pan 16 and on the disks 14. Any saliva which may enter the mouth-piece will be received in the chamber 7 beneath the saliva-separator 21, and the saliva will thus be prevented from passing into the bore of the pipe-stem and thence to the pipe-bowl. When desired, the mouth-piece and nipple may be withdrawn from the pipe-stem through the medium of the mouth-piece, leaving the parts in the condition shown in Fig. 2. In the withdrawal operation, the disks of the nicotin-collector, which are of substantially the same diameter as the bore of the pipe-stem, serve to scrape the inner wall of the pipe-stem. The user may hold the device through the medium of the mouth-piece and cleanse and wipe the nicotin-collector. Thereafter, if desired, the mouth-piece may be separated from the nipple and the nipple slipped off over the disks of the nicotin-collector, enabling the passages 20 and 22 to be cleansed. When desired, the pipe-stem may be withdrawn from the bowl to enable the inner end of the pipe-stem and the bowl to be cleansed.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation should be understood therefrom.

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

1. In a pipe, the combination of a bowl provided with a perforation, a tubular pipe-stem extending through said perforation into said bowl and having a bore communicating with the chamber of the bowl, a separable mouth-piece, and a nicotin-collector in said bore equipped with means for scraping the walls of said bore upon withdrawal and equipped with a saliva-separator located in the upper portion of said mouth-piece.

2. In a pipe, the combination of a bowl provided with a perforation, a tubular stem having its inner end extending through said perforation into the chamber of said bowl, and provided with a perforation affording communication between the chamber of the bowl and the bore of the pipe-stem, a mouth-piece, and a nicotin-collector comprising a rod equipped with disks contacting with the inner wall of the pipe-stem and provided with smoke-passages, and an extension carried by the inner end of said rod and projecting beyond the perforation in the inner end of said pipe-stem and equipped thereat with a section substantially filling the bore of the pipe-stem at that point.

3. In a pipe, the combination of a bowl provided with a perforation, a tubular stem-section extending through said perforation into the chamber of the bowl and provided with a perforation near its inner end, a stem-section removably connected with said first-

named stem-section, a mouth-piece connected with said second-named stem-section, and a nicotin-collector connected with said mouth-piece and having at its inner end an extension located within said first-named stem-section and having a portion of substantially the diameter of the bore of said stem-section located inside or beyond said perforation.

4. In a pipe, the combination of a bowl provided with a perforation, a tubular stem extending through said perforation into the chamber of said bowl, a mouth-piece provided with a saliva-chamber, a nipple connecting said mouth-piece and stem, and a nicotin-collector extending substantially the length of the bore of said stem and having a shank extending through said nipple equipped with a saliva-chamber located in said mouth-piece said nipple adapted to be slipped over said nicotin-collector in assembling.

5. In a pipe, the combination of a bowl provided with a perforation, a tubular stem having a bore therein open at both ends, the inner end of said stem extending through the perforation of said bowl into the chamber of the bowl and provided with a lateral perforation, a mouth-piece connected with the outer end of said stem, and a nicotin-collector carried by said mouth-piece and contained in the bore of said stem, said nicotin-collector having a section forming a plug for the inner end of said stem.

6. In a device of the character set forth, a tubular stem provided at its inner end with a lateral perforation, a mouth-piece connected with said stem, and a nicotin-collector carried by said mouth-piece and removable therewith from the stem, said nicotin-collector having a section forming a plug for the inner end of the stem adjacent to said perforation.

7. In a device of the character set forth, the combination of a tubular stem having an inner end-portion with a tapering external surface adapted to be passed through a perforation in the pipe-bowl, a mouth-piece, and a nicotin-collector in the bore of said stem having a plug-section at the inner end thereof and having a shank at the outer end thereof connected with said mouth-piece.

8. In a pipe, the combination of a bowl provided with a perforation, a tubular stem having its inner end extending through said perforation into the chamber of said bowl, said stem having a straight, smooth bore communicating with the chamber of the bowl, a mouth-piece, a tubular nipple connecting said mouth-piece and stem, and a disk-equipped nicotin-collector contained in the bore of said stem and having an extension affording an end-wall at the inner end of said stem and having, also, a shank extending through said nipple and carrying a saliva-deflector provided with a smoke-pas-

sage adjacent the upper wall of said mouth-piece and communicating through said shank with the bore of said stem.

5 9. In a pipe, the combination of a bowl, provided with a perforation, a tubular stem having its inner end extending through said perforation into the chamber of said bowl, said stem having a straight, smooth bore communicating with the chamber of said
10 bowl, a mouth-piece having an enlarged chamber, a tubular nipple connecting said mouth-piece and said stem, and a nicotin-collector having means contacting with the walls of said bore adapted to scrape the same
15 when the nicotin-collector is withdrawn from the bore, said nicotin-collector having at its

inner end an extension forming an end-wall for the stem and having at its other end a shank extending through said nipple and equipped with a saliva-deflector lying 20 adjacent to the upper wall of said mouth-piece, said saliva-deflector having a smoke-passage lying adjacent to said upper wall and communicating through said shank with the bore of said stem, said nipple being of 25 sufficient diameter to slip over said nicotin-collector in the assembling operation.

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In presence of—

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