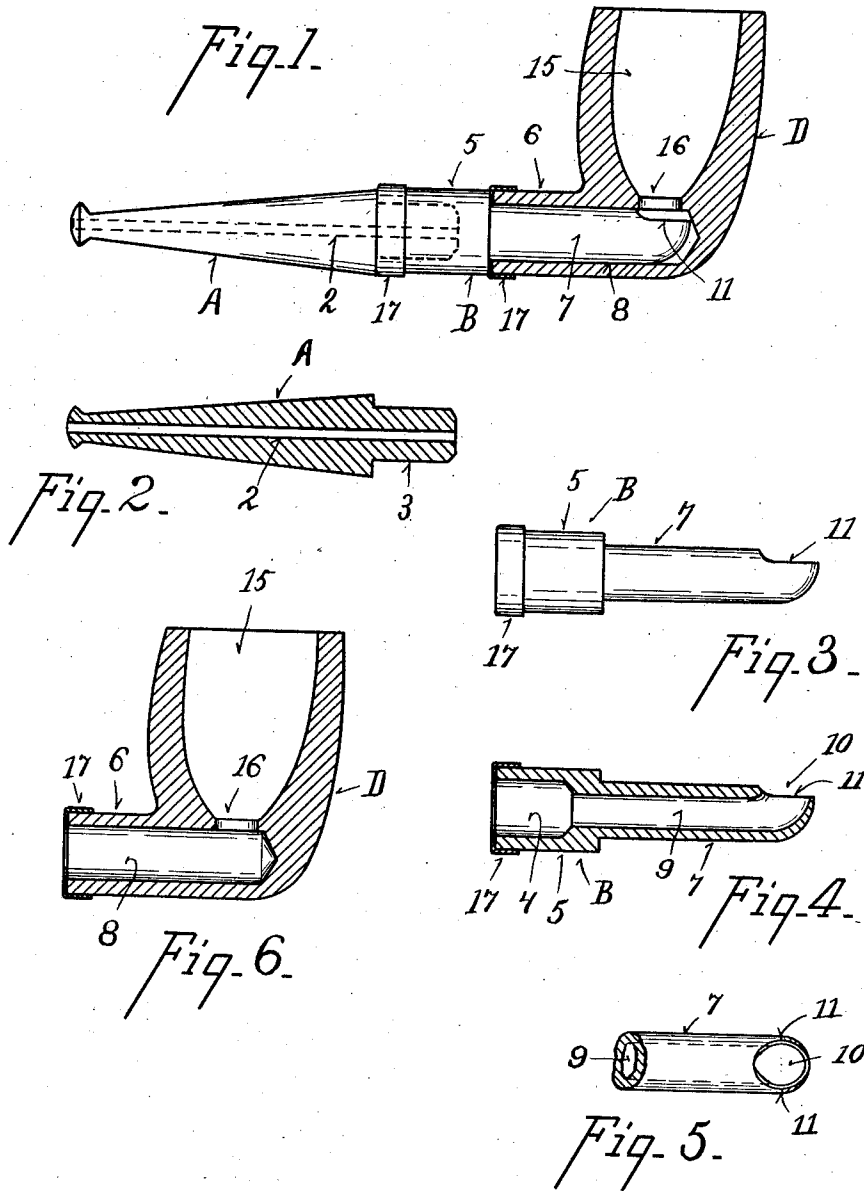


C. F. DOLLE.
TOBACCO PIPE.
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1,058,734.

Patented Apr. 15, 1913.



Witnesses

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TOBACCO-PIPE.

1,058,734.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES F. DOLLE, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a specification.

My invention relates to improvements in tobacco pipes.

One of its objects is to prevent the tobacco by caking or charring in the lower part of the bowl from closing the opening or draft tube in the stem.

Another object is to provide improved means for keeping the bowl and draft tube in the stem clean.

Another object is to prevent stoppage of the draft tube in the stem by pieces of tobacco drawn from the bowl.

Another object is to provide for convenient renewal of such member or members as may become damaged, and for convenient shipping or carrying of the pipe in sections.

My invention further consists in certain details of form, combination and arrangement, all of which will be fully set forth in the description of the accompanying drawings, in which;

Figure 1 illustrates a pipe partly in side elevation and partly in central vertical section embodying my improvements. Fig. 2 is a central vertical section through the mouth piece detached. Fig. 3 is a side elevation of the central or stem section detached. Fig. 4 is a central vertical section through the same. Fig. 5 is a detail of the forward end of the stem section. Fig. 6 is a central vertical section through the bowl section detached.

The accompanying drawings illustrate the preferred embodiment of my invention, in which the pipe is composed of three sections, a mouth piece A, a stem section B, and a bowl section D. The mouth piece is shaped in the usual manner to be held in the mouth, and is provided with a draft tube 2 of comparatively small diameter from end to end. The forward end 3 of the mouth piece A is designed to telescope with and closely fit a recess 4 in one end of the stem section B to unite the sections A and B together, and to permit them to be readily separated for cleaning, packing for shipment, or other purpose.

The stem section B comprises the body or

barrel portion 5 preferably of the full diameter of the shank 6 of the bowl. The forward end 7 of section B is of less diameter than the barrel 5, and is preferably slightly tapered on the exterior and designed to telescope into and closely fit a corresponding recess 8 in the bowl section D. The draft tube 9 through the section B is of materially greater diameter than the draft tube 2 through the section A, and terminates at the forward end of part 7 in an orifice 10 in the side of said part 7, said orifice being when the sections are united, located on the upper side of part 7 and directly beneath the lower end of the bowl. By having the forward end of draft tube 9 terminate at the side of the part 7, the forward end of part 7 forms a sort of spoon or scoop and the sides 11 of the opening 10 form scrapers which when the stem section B is rotated within the recess 8 serve to scrape all tobacco, moisture or distillation products from the side walls of recess 8 and particularly the inner end of said recess, so that the part 7 when withdrawn brings with it all such substances as tend to deposit in the recess 8 and thereby to make the pipe strong. After the section B has been separated from the bowl any substance carried by or within the tube of said section can be readily detached usually by jarring or knocking the section B against a solid object. The act of turning the part 7 within the recess 8 also tends to loosen the tobacco and any charred deposits in the lower portion of the bowl so that they will readily fall out upon jarring the bowl.

By reason of the large diameter of the draft tube in section B as compared with that of section A, and its relation to the bowl, the current of smoke flows more slowly along the tube 9 and particles of tobacco are not liable to be drawn any distance into tube 9, and particularly not so far as to be liable to close either tube 9 or tube 2. Also distillation products have time to cool and deposit in the larger tube 9 so as not to reach and close tube 2. By reason of the large diameter of tube 9 anything lodging in or deposited in said tube can be readily removed, thus tending to prevent the pipe becoming strong.

The bowl section comprises a bowl of ordinary construction having a bowl cavity 15 to hold the tobacco, and a shank 6 provided with recess 8 to receive and form a tight joint with the part 7 of section B.

The inner end of recess 8 and the bowl cavity 15 are connected by a short port or passage 16 which is preferably of equal or slightly greater diameter than that of draft tube 9, and of considerably less diameter than the average diameter of the bowl. The diameter of port 16 being preferably such as to permit a portion of the tobacco to enter said port, and seat in the recess 10 to constitute a renewable and removable filter and moisture absorber. The port 16 is not of sufficient diameter for the tobacco in said port to burn under the normal draft of the pipe. The length of port 16 should be in proportion approximately as illustrated. Said port is designed to prevent the fire in the bowl from approaching close enough to the scoop shaped forward end of part 7 to char or injure the same, and the unburned tobacco in said port and scoop serves to absorb a considerable portion of the products of distillation, which are removed therewith.

The section B may be of metal or like substance but is preferably of wood or other material of absorbent nature, and should it become strong or charged with distillation products, can readily be removed or replaced.

17 represents metal ferrules. The apparatus herein illustrated and described is capable of considerable modification without departing from the principle of my invention.

Having described my invention, what I claim is:

1. A smoking pipe comprising in combination a bowl having an opening at its inner end large enough for the passage of a portion of the tobacco charge, a mouth piece, and a tubular section intermediate the bowl and mouth piece providing an unobstructed channel connecting the bowl cavity and mouth piece channel, said tubular section being separable from the bowl and mouth piece and having an exposed hand-hold portion and a stem portion telescopically and

rotatably fitting in the bowl portion, said stem portion being provided with an opening in its side normally communicating through said opening at the inner end of the bowl with the bowl cavity and forming a receptacle to receive a portion of each charge of tobacco to constitute a renewable and removable filter and moisture absorber.

2. A smoking pipe comprising in combination a bowl having an opening at its inner end large enough for the passage of a portion of the tobacco charge, a stem having a mouth piece at one end and a stem portion at the opposite end telescopically and rotatably fitting into the bowl portion, said stem portion being provided with an opening in its side normally communicating through said opening at the inner end of the bowl with the bowl cavity, and forming a receptacle to receive a portion of each charge of tobacco to constitute a removable and renewable filter and moisture absorber, and said stem portion constituting by rotation within the bowl portion a cleaner and draft adjuster.

3. A smoking pipe comprising in combination a bowl, a mouth-piece, and a tubular section intermediate the bowl and mouth-piece providing an unobstructed channel connecting the bowl cavity and mouth-piece channel, said tubular section being separable from the bowl and mouth-piece and having an exposed hand-hold portion and a stem portion telescopically and rotatably fitting in the bowl portion, said stem portion provided with an opening in its side normally communicating with the bowl cavity, and a cutting edge at said opening.

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

CHARLES F. DOLLE.

Witnesses:

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C. W. Miles.