Sept. 25, 1923. 1,468,681

P. J. A. UYTENBOGAART

PIPE

Filed Feb. 14, 1922

Fig. 1.

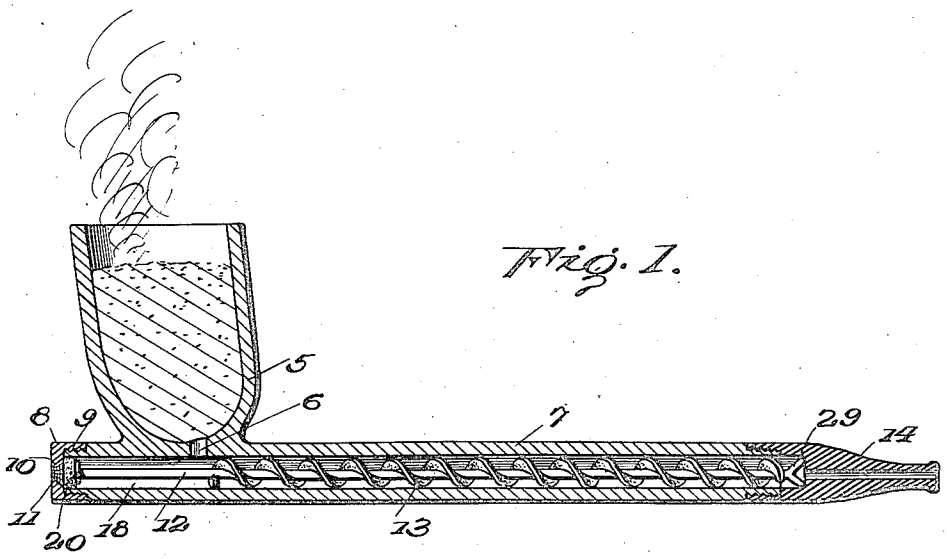


Fig. 2.

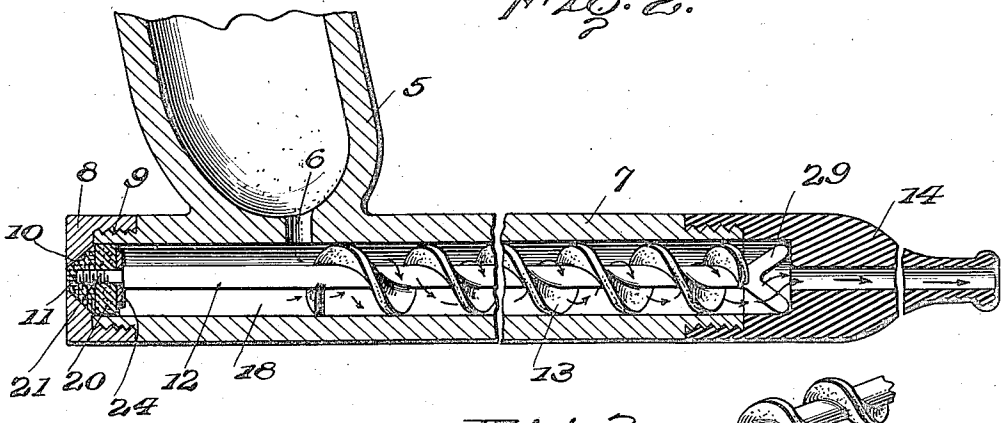
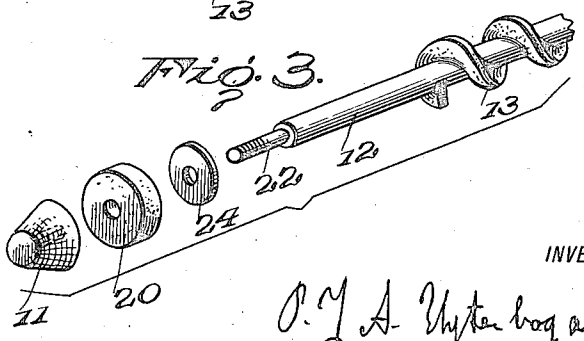


Fig. 3.



INVENTOR

P. J. A. Uytenbogaart

Witness

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UNITED STATES PATENT OFFICE.

PETRUS J. A. UYTENBOGAART, OF DAUPHIN, MANITOBA, CANADA.

PIPE.

Application filed February 14, 1922. Serial No. 536,446.

To all whom it may concern:

Be it known that I, PETRUS J. A. UYTENBOGAART, a subject of Holland, residing at Dauphin, in the Province of Manitoba and Dominion of Canada, have invented certain new and useful Improvements in Pipes, of which the following is a specification.

This invention relates to pipes and more particularly to the smoke cooling means therefor.

An important object of this invention is to provide a pipe having a stem provided with a spiral baffle which serves as a means to increase the distance traveled by the smoke during its movement through the stem whereby the smoke is allowed time to cool before being drawn into the smoker's mouth.

A further object is to provide a pipe having a liquid receiving chamber which may be readily cleaned when desired.

Further the invention forming the subject matter of this application aims to provide a pipe which may be conveniently cleaned, is of highly simplified construction and which is cheap to manufacture.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this application and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a vertical sectional view through the improved pipe.

Figure 2 is an enlarged detail sectional view through the same, a portion of the stem being broken away.

Figure 3 is a fragmentary perspective of the spiral baffle and associated elements.

In the drawing wherein for the purpose of illustration is shown a preferred embodiment of the invention, the numeral 5 designates a bowl having its lower end or bottom provided with an opening 6 which opens into the forward portion of a stem 7. As illustrated in Figure 1 the stem 7 extends for a substantial distance beyond the bowl and is provided with a metallic cap 8 threaded onto the stem as indicated at 9.

As illustrated particularly in Figure 2 the cap 8 is provided with a cone-shaped opening 10 which snugly receives the cone-shaped head 11 of a rod 12, the rod 12 being extended through the stem and having a spiral baffle 13 of rubber or other suitable material so that the smoke is caused to travel in a tortuous path when moving through the stem. This increases the distance traveled by the smoke so that the smoke is cooled prior to being drawn out through the mouthpiece 14.

In carrying out the invention the spiral baffle 13 terminates at the opening 6 in the bowl so as to define a chamber 18 in the forward end of the stem, the said chamber being adapted for the reception of liquid. A rubber ring 20 is secured on the reduced forward end 22 of the rod 12 and is snugly received within the stem so that when the rod is moved longitudinally within the stem any liquid which may be in the chamber will be withdrawn or discharged.

As illustrated in Figure 2 the rear end of the rod 12 is extended beyond the stem 7 and is forked for engagement with the socket in the mouth piece 14. The forked end 29 of the rod forms a convenient means whereby the rod may be withdrawn from the stem and also forms a convenient means whereby the endwise movement of the rod is limited when the mouthpiece is applied. With reference to Figures 2 and 3 it will be seen that a washer 24 is secured on the reduced portion of the stem 22 at one side of the rubber ring 20.

When it is desired to clean the pipe, it is merely necessary to detach the mouth piece 14 and withdraw the rod 12 so that the liquid in the chamber 18 is withdrawn. If desired a rag may be forced through the stem and in further carrying out the cleaning operation the spiral baffle may be thoroughly cleaned. If desired a cleaning element may be passed through the opening 10 in the cap.

Having thus described the invention what I claim as new and desire to secure by Letters Patent is:—

1. A pipe comprising a stem having a cap at one end, a bowl connected to the stem at a point spaced from one end, a rod extended through the stem and having a spiral smoke baffle of rubber terminating beneath the bowl thereby forming a chamber in said stem, and a head carried by the forward end of said rod, said cap being provided with an opening snugly receiving said head, said head and the opening in said cap being of cone-shaped formation.

2. A pipe comprising a stem having a cap at one end, a bowl connected to the stem at a point spaced from one end, a rod extended through the stem and having a spiral smoke baffle of rubber terminating beneath the bowl thereby forming a chamber in said stem, a head carried by the forward end of said rod, said cap being provided with an opening snugly receiving said head, and a rubber ring mounted on said rod at one end of said chamber.

3. A pipe comprising a stem having a cap at one end, a bowl connected to the stem at a point spaced from one end, a rod extended through the stem and having a spiral smoke baffle of rubber terminating beneath the bowl thereby forming a chamber in said stem, a head carried by the forward end of said rod, said cap being provided with an opening snugly receiving said head, and a rubber ring mounted on said rod at one end of said chamber, one end of said rod being forked and extended beyond said stem.

4. A pipe comprising a stem having a cap at one end, a bowl connected to the stem at a point spaced from one end, a rod extended through the stem and having a spiral smoke baffle of rubber terminating beneath the bowl thereby forming a chamber in said stem, a head carried by the forward end of said rod, said cap being provided with an opening snugly receiving said head, a rubber ring mounted on said rod at one end of said chamber, one end of said rod being forked and extended beyond said stem, and a mouth piece receiving the forked portion of said rod.

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

PETRUS J. A. UYTENBOGAART.

Witnesses:

L. A. MASTERMAN,

MILLICENT KERR.