June 7, 1932. E. C. TUGGLE 1,862,443

PIPE

Filed Aug. 8, 1930

Fig. 1.

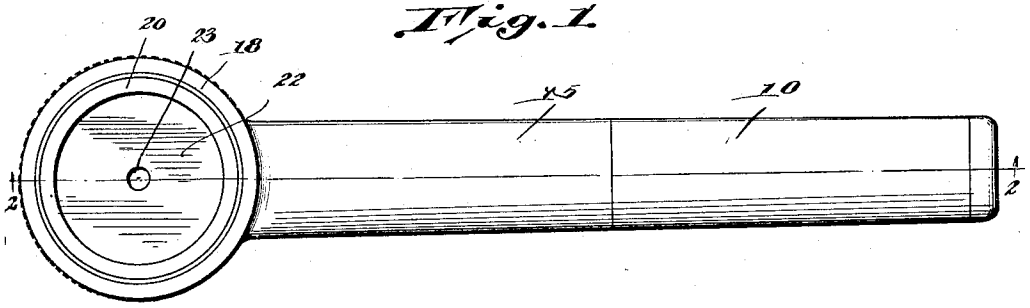


Fig. 2.

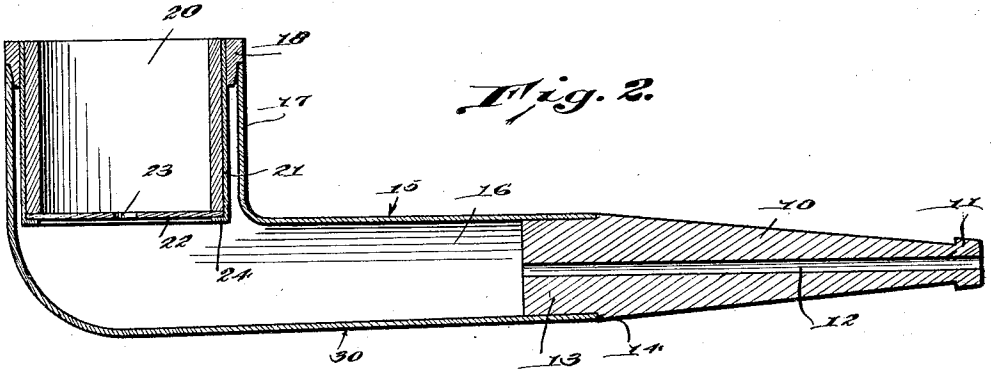
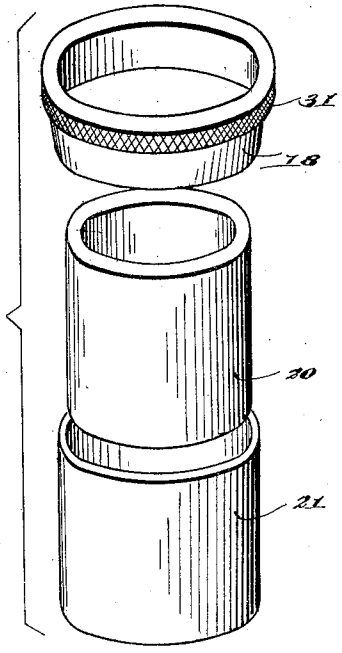


Fig. 3.



WITNESS
A. Mann

INVENTOR
E. C. Tuggle,
BY Munn & Co
ATTORNEY

Patented June 7, 1932 1,862,443

UNITED STATES PATENT OFFICE

EDGAR C. TUGGLE, OF SHARON, PENNSYLVANIA

PIPE

Application filed August 8, 1930. Serial No. 473,997.

This invention relates to pipes.

An object of the invention is the provision of a pipe in which is formed a relatively large chamber to receive the smoke with the walls of the chamber being formed of aluminum or some metal which will rapidly radiate heat in order to cool the smoke before it passes to the mouth of the user.

A further object of the invention is the provision of a pipe having an outer bowl and stem formed of a metal which will readily radiate heat in order to cool the smoke and provide an enlarged chamber between the stem and an auxiliary bowl formed of wood which is mounted within the outer end of the metal bowl and which is to receive the tobacco to be burned in the pipe so that the burned tobacco will come in contact with wood, preferably brier, in order to aid in giving the proper flavor to the tobacco.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawing forming a part of the specification; nevertheless, it is to be understood that the invention is not confined to the disclosure, being susceptible of such changes and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claims.

In the drawing:

Figure 1 is a longitudinal plan view of a pipe constructed in accordance with the principles of my invention,

Figure 2 is a longitudinal vertical section of the pipe, and

Figure 3 is a view in perspective of the elements forming the bowl and disclosed in detached relation.

Referring more particularly to the drawing, 10 designates a pipe stem formed of amber, rubber, or any suitable composition material. This stem is provided with a mouthpiece 11 and a centrally disposed passage 12. The inner end of the stem is of reduced diameter, as shown at 13, to provide a shoulder 14 which is engaged by the outer end of a metal tubular member 15.

The metal tubular member is formed of aluminum or any other metal which will rapidly radiate heat in order to dissipate the heat of the smoke which enters the chamber 16 formed in the tubular member. The tubular member is expanded and turned upwardly to form an outer bowl or casing 17. In the outer free end of the bowl is forced a ring 18 which has a tight fit with the bowl 17.

An auxiliary bowl 20 formed of brier wood or any other wood suitable for the purpose has an outer sheath 21 formed of any suitable metal such as copper and the auxiliary bowl has a tight fit with the sheath. Any form of adhesive may be applied to the outer surface of the bowl 20 in order to maintain it in position within the sheath 21. The inner and outer ends of the bowl 20 are open.

A circular disc 22 has an opening 23 for the passage of smoke and air and is maintained in place on the bottom of the bowl by means of a flange 24 turned inwardly upon the outer face of the disc. The lower edge of the ring 18 is soldered or connected to the sheath 21 in any approved manner. By this construction the auxiliary bowl, the sheath 21 and the ring 18 may be removed from the outer bowl 17 when desired.

In the present construction the chamber 16 not only extends the length of the tubular member 15 but is embraced within the outer metal bowl 17 and a space is formed between the sheath 21 and the walls of the bowl 17.

When tobacco is filled into wooden bowl 20 and lighted and air is drawn through the tobacco in the usual manner smoke will pass into the chamber 16 where it will be cooled by the heat being dissipated through the thin walls of the aluminum tubular member 15. The smoke is not only cooled but the moisture is condensed which falls to the bottom of the chamber. Since the inner end of the passage 12 of the stem 10 is above the bottom 30 of the tubular member 15, the moisture cannot be drawn through the stem into the mouth.

A rib 31 is formed upon the ring 18 and is knurled in order that it may be grasped readily by the hand and forced within the upper outer end of the bowl 17.

It will be noted by this construction that the parts of the device may be readily dis-

assembled or assembled so that they may be cleaned.

I claim:

1. A pipe comprising a bowl made of wood, a metal casing, means to support the bowl in the casing in spaced relation with the walls of the casing, the casing having an angular extension forming a chamber for receiving smoke, the bottom of the bowl having a passage connecting the bowl with the chamber, a stem connected with the outer end of the extension. the casing and extension being formed of material which will readily radiate heat of the smoke to the exterior, the bowl having an outer covering of metal spaced from the inner wall of said casing.

2. A pipe comprising a bowl made of wood, a metal casing, means to support the bowl in the casing in spaced relation with the walls of the casing, the casing having an angular extension forming a chamber for receiving smoke, the bottom of the bowl having a passage connecting the bowl with the chamber, a stem connected with the outer end of the extension, the casing and extension being formed of material which will readily radiate heat of the smoke to the exterior, the bowl having an outer covering of metal spaced from the inner wall of said casing, a ring secured to the metal covering and neatly fitted between the covering and the inner wall of the casing.

3. A pipe comprising a bowl made of wood, a metal casing, means to support the bowl in the casing in spaced relation with the walls of the casing, the casing having an angular extension forming a chamber for receiving smoke, the bottom of the bowl having a passage connecting the bowl with the chamber, a stem connected with the outer end of the extension, the casing and extension being formed of material which will readily radiate heat of the smoke to the exterior, the bowl having an outer covering of metal spaced from the inner wall of said casing, the bottom of the bowl being removable, the metal covering having an inturned flange for supporting the bottom.

EDGAR C. TUGGLE.