No. 871,503. PATENTED NOV. 19, 1907.

C. C. HASKELL.

PIPE.

APPLICATION FILED JULY 3, 1907.

Fig. 2.

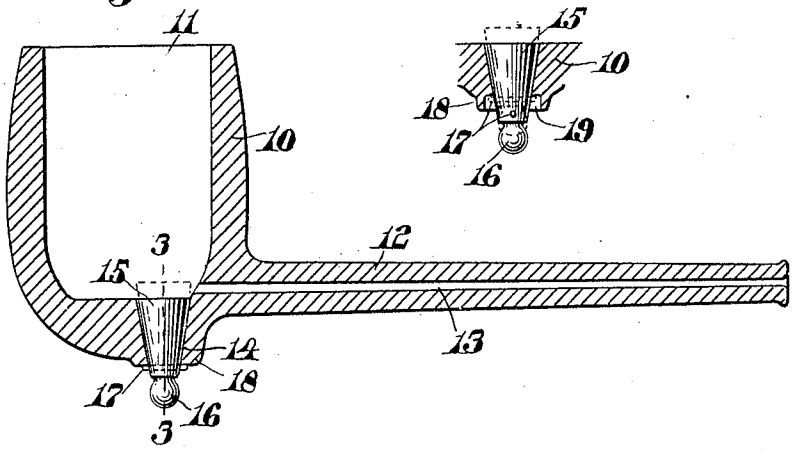
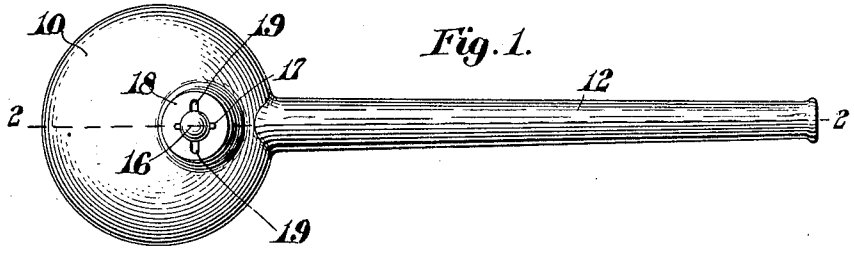


Fig. 3.

Fig. 1.



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PIPE.

No. 871,503. Specification of Letters Patent. Patented Nov. 19, 1907.

Application filed July 3, 1907. Serial No. 381,977.

To all whom it may concern:

Be it known that I, CHARLES C. HASKELL, a citizen of the United States of America, and a resident of Bournedale, in the county of Barnstable and State of Massachusetts, have invented certain new and useful Improvements in Pipes, of which the following is a specification.

This invention relates to smoking pipes and has for its object the production of a pipe in which means are provided for lifting the tobacco in the tobacco receptacle slightly above the smoke orifice in order that a suitable draft may be insured.

The invention consists in certain novel features of construction and arrangement of parts which will be readily understood by reference to the description of the drawings and to the claims hereinafter given.

Of the drawings: Figure 1 represents an inverted plan of a pipe embodying the features of this invention. Fig. 2 represents a transverse section of the same, the cutting plane being on line 2—2 on Fig. 1, and Fig. 3 represents a sectional detail, the cutting plane being on line 3—3 on Fig. 2.

Similar characters designate like parts throughout the several figures of the drawings.

In the drawings, 10 represents the bowl of a pipe provided with an interior chamber 11 adapted to receive a charge of tobacco. From a point near the bottom of the bowl 10 projects the usual stem 12 having a smoke orifice 13 extending therethrough and communicating with the interior of the tobacco receptacle 11 near the bottom thereof. The bowl 10 is provided with a conical opening 14 extending through the bottom thereof, the upper end of this opening being of greater diameter than the lower end. Into this opening 14 is fitted a conical plug 15 the lower end of which is provided with a knob 16 by which the plug may be manipulated and moved endwise in the opening 14.

Extending through the plug 15 is a pin 17 adapted to engage the lower face of a hub 18 on the bottom of the bowl 10, thus preventing an inward movement of the plug, while the conical wall of the plug fitting the opening 14 prevents any outward movement thereof.

Extending laterally from the opening 14 are two diametral depressions 19 extending slightly into the bottom of the bowl 10. Normally the plug is in the position shown in Figs. 1 and 2 and in this position the receptacle 11 is filled with tobacco to be used. When the tobacco is properly packed within the receptacle it is liable to be packed so hard as to prevent a proper draft through the smoke orifice 13. To overcome this objection and provide a means of clearing the mouth of the smoke orifice is the object of the plug 15 which is mounted in the bottom of the bowl directly in front of the mouth of the orifice 13.

When the receptacle 11 has been filled with tobacco the smoker takes hold of the handle 16 and by giving it a turn about its axis so that the projecting ends of the pin 17 are brought into the same plane as the lateral depressions 19 he presses the plug 15 inwardly against the bottom of the tobacco and raises it slightly above the mouth of the orifice 13, the projecting ends of the pin 17 moving in the depressions 19 during this operation. As soon as the tobacco has been raised sufficiently to clear the orifice 13 and create a clearance between the bottom of the tobacco and the interior of the bowl 10, the plug is returned to its normal position and turned about its axis so that the projecting ends of the pin 17 will impinge upon the lower face of the hub 18 and engage the plug in position to prevent further movement.

This makes a very simple device which overcomes a very serious defect found in most pipes, the objections to which it is believed will be fully apparent without any further description.

Having thus described my invention, I claim:

1. A tobacco pipe having a tobacco receptacle provided with an opening through the bottom, and a smoke orifice, in combination with a plug fitting said opening and adapted for movement therein to cover and uncover the end of said smoke orifice, and means for preventing the removal of said plug from said opening.

2. A tobacco pipe having a tobacco receptacle provided with an opening through the bottom, and a smoke orifice, in combination with a plug fitting said opening and adapted for movement therein to cover and uncover the end of said smoke orifice, and a pin extending through said plug adapted to engage with the bowl when the upper end of said plug is moved beyond said smoke orifice to prevent further movement in that direction.

3. A tobacco pipe having a tobacco recep-

tacle provided with a conical opening through the bottom the lesser diameter of which is at the outer end, and a smoke orifice, in combination with a conical plug adapted to fit said opening provided with means at its outer end for moving said plug inwardly, and means for limiting said inward movement.

4. A tobacco pipe having a tobacco receptacle provided with a conical opening through the bottom the lesser diameter of which is at the outer end, and a smoke orifice, in combination with a conical plug adapted to fit said opening provided with means at its outer end for moving said plug inwardly, and a pin for limiting said inward movement.

5. A tobacco pipe having a tobacco receptacle provided with an opening through the bottom with exterior lateral depressions communicating with said opening, and a smoke orifice, in combination with a plug fitting said opening and adapted for movement therein to cover and uncover the end of said smoke orifice, and projections on said plug adapted to enter said lateral depressions when said plug is moved inwardly.

Signed by me at Boston, Mass., this 28th day of June, 1907.

CHARLES C. HASKELL.

Witnesses:
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