

L. UNDERWOOD.

PIPE.

APPLICATION FILED JULY 22, 1907.

Fig. 1.

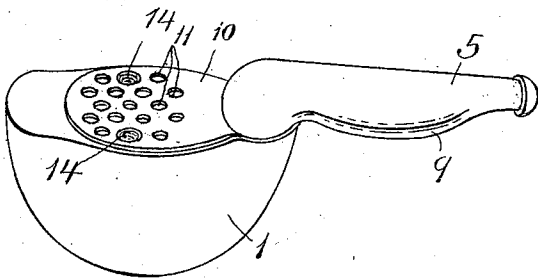


Fig. 2.

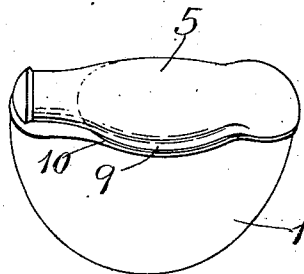


Fig. 3.

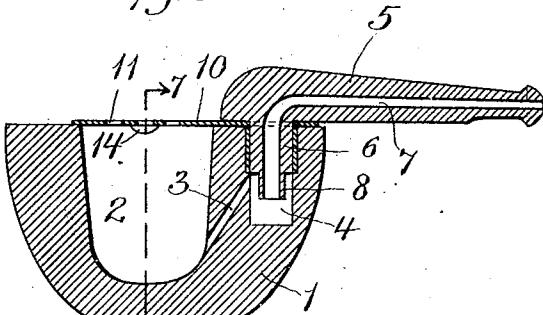


Fig. 4.

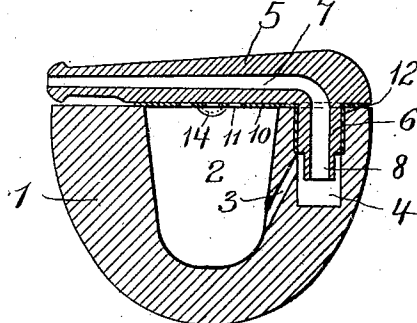


Fig. 5.

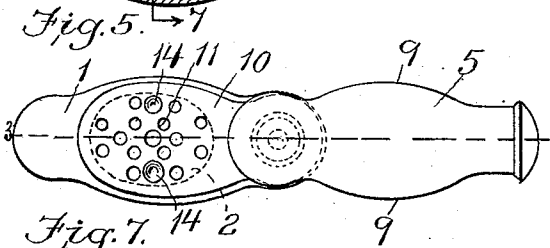


Fig. 6.

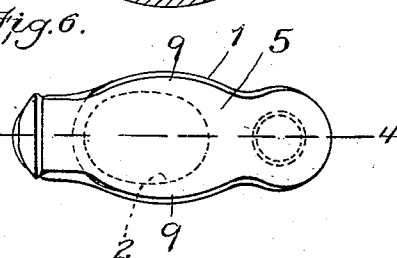


Fig. 7.

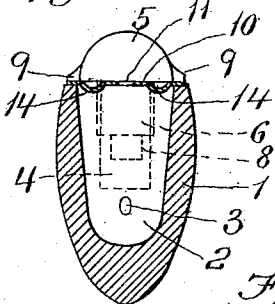


Fig. 8.

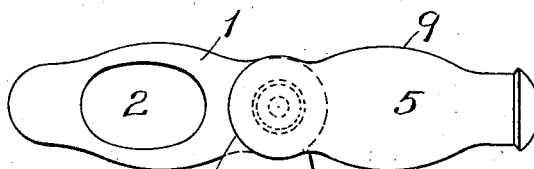
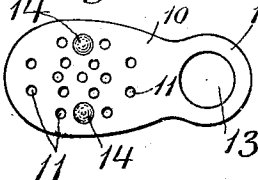


Fig. 9.



Witnesses.
A. C. Ostigian
P. H. Pezzetti

Inventor.
Loring Underwood

by Wm. H. Brown & Co. Att'ys

UNITED STATES PATENT OFFICE.

LORING UNDERWOOD, OF BELMONT, MASSACHUSETTS.

PIPE.

No. 874,459.

Specification of Letters Patent.

Patented Dec. 24, 1907.

Application filed July 22, 1907. Serial No. 385,011.

To all whom it may concern:

Be it known that I, LORING UNDERWOOD, of Belmont, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Pipes, of which the following is a specification.

This invention consists in an improvement in pipes, whereby the pipe may be folded into small compass so as to be conveniently carried in the pocket, and at the same time covered to prevent spilling of tobacco or ashes.

The invention also includes an attachment for such a pipe adapted to be placed over the bowl to prevent ashes and embers being blown out from the bowl by the wind.

Of the accompanying drawings,—Figure 1 represents a perspective view of a pipe embodying my invention, in condition for smoking in a wind. Fig. 2 represents a similar view, showing the pipe folded into its smallest compass for being stowed away. Figs. 3 and 4 represent longitudinal sections, showing the parts indicated in Figs. 1 and 2 respectively. Figs. 5 and 6 represent plan views of Figs. 3 and 4 respectively, the former figures being taken on lines 3—3 of Fig. 5 and 4—4 of Fig. 6. Fig. 7 represents a cross-section on line 7—7 of Fig. 3. Fig. 8 represents the pipe with the stem and wind guard in position to permit filling of the tobacco pocket in the bowl. Fig. 9 represents a plan view of the guard.

The same reference characters indicate the same parts in all the figures.

Referring to the drawings, 1 represents a pipe bowl of any desired form and construction, but preferably somewhat elliptical, that is, having a greater diameter in one direction than in a transverse direction so that it may be conveniently and comfortably carried in the pocket of the user. In the center of the bowl 1 is a tobacco pocket 2 which connects by a passage 3 with a socket or well 4 bored into the bowl near one end thereof.

A stem 5 is provided having a hub or nipple 6 which fits closely into the socket 4, making an air-tight connection with the sides thereof, but permitting a swiveling movement of the stem. A passage 7 leads from the mouth-piece end of the stem through the nipple and opens into the socket 4. A lip 8 around the passage extends from the end of the nipple below the outlet of the passage 3 so as to prevent liquids distilled from the tobacco being carried upward by the draft. The body of the stem extends at

such an angle from the nipple, and the latter is so directed with relation to the top of the bowl, that the stem is capable of swinging so as to lie directly across the pocket 2 in close proximity to the top of the bowl throughout its entire length, as illustrated in Figs. 2 and 4, and is of such length as not to project beyond the edge of the bowl. Intermediate its ends the stem has lateral enlargements or wings 9 of sufficient width to entirely cover the pocket and prevent tobacco or ashes which may be contained in the pocket from falling out when the stem is swung over.

Pivoted to the bowl is a guard plate 10 of sufficient area to extend entirely across the top of the tobacco pocket, and having perforations 11 to permit a draft, but which are not large enough to permit the wind to blow out sparks or ashes. This plate lies close to the upper surface of the bowl and has an ear 12 with a hole 13 large enough to receive the hub or nipple 6, about which it is enabled to turn. Thus the stem and plate have the same pivotal axis, while the stem lies above the plate and can entirely cover it when both are turned over the bowl. When the stem is turned back in position for use, the plate is retained firmly in place by projections 14 formed on its under side, and located so as to engage the edges of the tobacco pocket at opposite sides thereof. These protuberances are formed by indenting the upper surface of the plate and are rounded so as to slip over the edge of the bowl when sufficient pressure is applied, and yet have enough depth to prevent accidental dislodgment.

A pipe constructed as above described is of special value for use in outdoor sports, since it can be closed up into a small compass for being easily carried about, and has the shield which enables it to be smoked in a wind or while driving in an automobile without danger of sparks blowing into the user's face or endangering his clothing.

I claim:—

1. As an article of manufacture, a pipe for smoking comprising a bowl formed with a tobacco pocket, a stem swiveled to the bowl so as to swing directly over and cover the pocket thereof, and a perforated plate also swiveled to the bowl on the pivot of the stem so as to extend across the pocket, being retained by the stem.

2. As an article of manufacture, a pipe for smoking comprising a bowl formed with a tobacco pocket, a stem swiveled to the bowl

and projecting laterally from the swivel so as to swing directly over and cover the pocket thereof, and a perforated plate secured pivotally to the top of the bowl coaxially with the stem so that it may be swung over the pocket and be covered by the stem.

3. A pipe comprising a bowl having a tobacco pocket, a perforated plate pivoted to the bowl so as to swing over the pocket and formed with rounded protuberances adapted to swing into the pocket and engage opposite sides thereof to prevent displacement, and a stem swiveled to the bowl above said plate, bearing upon the latter so as to hold it against the top of the bowl.

4. A pipe comprising a bowl having a tobacco pocket, a socket beside the same, and a passage between the pocket and socket; a stem having a nipple contained in said socket, about which the stem is adapted to turn swivelly so as to extend over the tobacco pocket, said stem having also an enlargement forming a cover for the pocket;

and a perforated plate arranged to swing about said stem nipple and to extend over said pocket between the top of the bowl and the stem, being held against the top of the bowl by the stem.

5. A pipe comprising a bowl having a tobacco pocket, a perforated plate pivoted to the bowl so as to swing across the pocket or away therefrom to uncover the same, and a stem swiveled coaxially with the cover to the bowl bearing upon the cover so as to hold it on the top of the bowl, and so shaped and extended as to be capable of extending over and covering both the plate and the pocket, the stem being provided with an intermediate enlargement for that purpose.

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

LORING UNDERWOOD.

Witnesses:

P. W. PEZZETTI,
A. H. BROWN.