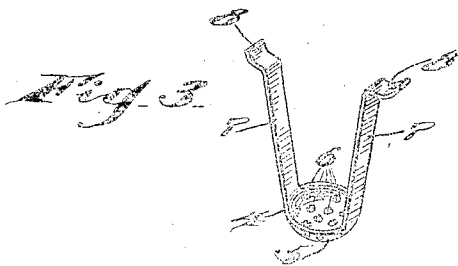
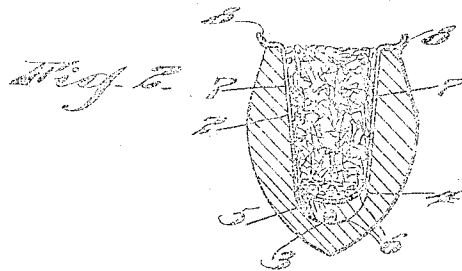
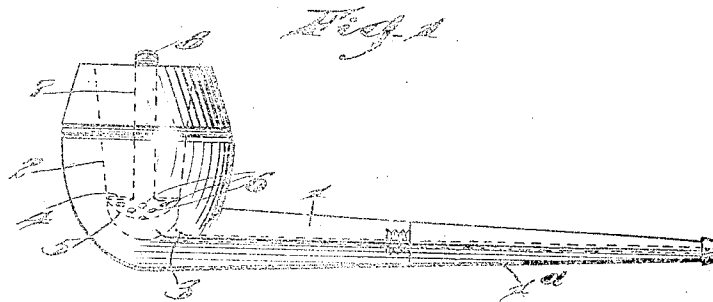


W. E. TAIT.
PIPE ATTACHMENT.
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975,584.

Patented Nov. 15, 1910.



Witnesses
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PIPE ATTACHMENT.

975,584.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILFRED ELLIOTT TAIT, a citizen of the United States, residing at Beverly, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Pipe Attachments, of which the following is a specification.

My invention relates to improvements in pipe attachments, and more particularly to an improved attachment for smoking pipes, the object of the invention being to provide an attachment of this character which may be self-supporting in the bowl of the pipe and will serve as a base or bottom in the bowl upon which the tobacco is placed, leaving a space below the attachment and the bottom of the bowl, which is kept free from tobacco, allowing a free draft through the pipe in smoking, and permitting the ash and unburned tobacco to be readily drawn out of the bowl when desired.

A further object is to provide an improved attachment of this character which is especially designed for cleaning the cake or burned accumulation on the sides of the bowl without cutting into the wood of the bowl.

A further object is to provide an improved attachment of this character which is designed to fit in any ordinary pipe, and which may be manufactured and sold at a very low cost, and which will most effectually perform the functions for which it is intended.

With these and other objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1 is a view in side elevation illustrating my improved attachment in position in a pipe. Fig. 2 is a view in cross section through the bowl shown in Fig. 1. Fig. 3 is a detailed perspective view of the attachment.

1 represents an ordinary smoking pipe and 2 the bowl, the lower end of which communicates with the duct 3 leading to the mouth piece 1^a.

4 represents my improved attachment which is composed of a single piece of spring sheet metal, forming a concavo-convex bowl or saucer 5, having a large number of small perforations 6 therein, and two spring arms

7, 7, located at opposite sides of the upper edge of the bowl 5 and flaring outward as shown, so as to fit snugly against the inner face of the bowl 2. The upper ends of these arms 7, 7, are bent outward and curved slightly upward as shown at 8, so as to afford finger holds for turning the attachment in the bowl, to clean out the cake, and to project the ends away from the hot bowl 65 and keep them comparatively cool.

In operation the attachment is preferably pushed down into the bowl as shown in Figs. 1 and 2, and the smoking tobacco placed in the bowl, and is supported above the bottom of the bowl by reason of the saucer or bowl 5 of the attachment, so that in the bottom of the bowl where moisture accumulates, the small particles of tobacco do not accumulate to plug up the duct 3, and permit a free smoke at all times, and this also prevents any burning of the bottom of the bowl. When the pipe is inverted, the ash will fall out.

To completely clean the pipe, the ends of arms 7, 7, are grasped and the attachment is pulled out of the bowl, drawing with it the ash and unburned tobacco.

To clean the cake from the inner face of the bowl, the attachment is positioned as shown in Figs. 1 and 2, when by grasping the upper ends 8 of arms 7, 7, the attachment may be revolved inside the bowl, and due to the action of the spring arms 7, 7, bearing outward against the surface of the bowl, the sharp edges of the bowl will cut the cake and clean the bowl, and if this rotary movement is performed every little while, the pipe may be kept thoroughly clean and the bowl its full size; for it is well known that with ordinary pipes the formation of cake on the inner face of the bowl gradually decreases the internal area of the bowl.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. An attachment for smoking pipes consisting of a sheet metal, perforated, concavo-

convex, saucer-like bowl, flat, integral pipe bowl cleaning spring arms at opposite sides of the upper edge of said attachment flaring outward toward their upper ends, and the upper ends of said arms bent outward and upward, forming finger holds free from contact with the pipe bowl, whereby when said finger holds are moved to turn the attachment said arms will cut the cake from the inside of the bowl, substantially as described.

2. In combination with a smoking pipe having a bowl, the wall of which tapers inward from its upper to its lower end, of an attachment in said bowl comprising a concavo-convex, perforated, sheet metal, saucer-like bowl, pipe bowl cleaning spring arms

at opposite sides of said attachment bowl bearing against the inclined tapering surface of said pipe bowl, and the upper ends of said arms bent outward and upward and engaging over the upper edge of said pipe bowl forming finger holds free from contact with the pipe bowl, whereby when said finger holds are moved to turn the attachment said arms will cut the cake from the inside of the pipe bowl, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILFRED ELLIOTT TAIT.

Witnesses:

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