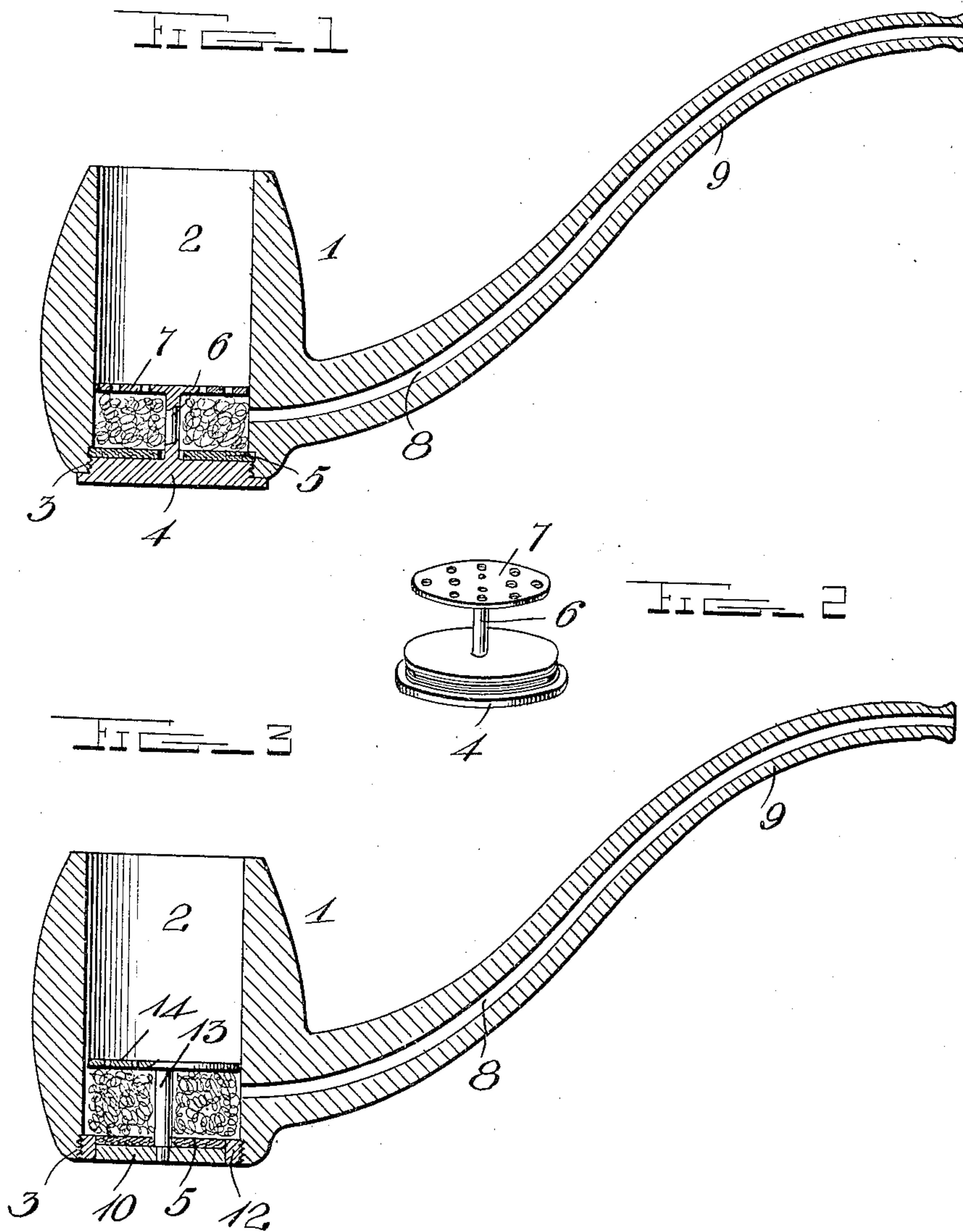


H. W. NICHOLLES.
PIPE.

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940,184.

Patented Nov. 16, 1909.



Witnesses

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HERBERT WHITTIER NICHOLS, OF ATLANTA, GEORGIA.

PIPE.

940,184.

Specification of Letters Patent.

Patented Nov. 16, 1909.

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To all whom it may concern:

Be it known that I, HERBERT WHITTIER NICHOLS, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Pipes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in pipes.

The object of the invention is to provide a tobacco pipe having a bowl open at its lower end whereby the bowl may be readily cleaned, and having a removable cap to close said open lower end.

A further object is to provide a pipe having means arranged in its bowl to prevent the inner end of the passage through the stem from becoming clogged up.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view through a pipe constructed in accordance with the invention; Fig. 2 is a detail perspective view of the combined cap and perforated tobacco supporting disk removed from the pipe; and Fig. 3 is a vertical longitudinal sectional view of the pipe showing a modified form of the invention.

Referring more particularly to the drawings 1 denotes a pipe, the bowl 2 of which is provided in its lower end with a threaded opening 3 in which is adapted to be screwed a closing cap 4, which is preferably formed of a non-heat conducting material and in which is preferably arranged an asbestos mat 5 to more effectually prevent the cap from becoming heated when the pipe is in use.

Projecting upwardly from the center of the cap and into the bowl of the pipe is a post 6, said post being preferably formed integral with the cap. On the upper end of the post is disposed a perforated tobacco supporting disk 7, said disk being held a suitable distance above the cap by the post 6 to provide a space into which the ashes or

fine particles of tobacco and the nicotin will fall through the perforated disk 7.

The passage 8 through the stem 9 of the pipe opens into the lower portion of the bowl a suitable distance above the cap, so that the space below the opening of the passage forms a well which prevents the nicotin and ashes from being drawn into the passage in the stem. The disk 7 being arranged immediately above the opening of the passage in the bowl holds the tobacco above the opening and prevents the same from becoming clogged up. If desired I may place in the space between the cap and the disk a filling of cotton or asbestos wool through which the smoke is drawn and which will absorb the nicotin from the smoke.

While I prefer to construct the cap and supporting disk from a metal having poor heat conducting qualities, I may if I desire provide a cap which is formed of wood or of the same material of which the pipe is constructed and to provide said cap with an outer threaded metal band 12, by means of which the cap may be screwed into the threaded open end of the bowl. The cap will be provided with a post 13 and a disk 14 similar in construction and arrangement to the post and disk shown in Fig. 1 of the drawing.

A pipe constructed as herein shown and described may be readily opened and thoroughly cleaned out and after removing the cap and cleaning, the air and sun may be allowed to pass through the open bowl thus drying and purifying the same. By providing the cap with an asbestos mat all possibility of the same becoming hot will be obviated.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claim.

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

In combination with a pipe bowl having a

stem opening entering the same adjacent the
bottom, of a cartridge adapted to be used in
said bowl comprising a threaded disk adapt-
ed to close the lower end of the bowl, a pin
5 projecting upwardly from the center of said
disk, a perforated cap plate integral with
the pin and arranged parallel to the disk im-
mediately above the stem opening, a fire-
proof mat surrounding said pin and resting
10 on the disk and forming a washer and a por-
ous absorbent material surrounding the pin

and filling the chamber between the plate
and disk, said disk being below the stem
opening so as to form a tar and nicotin well.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

HERBERT WHITTIER NICHOLS.

Witnesses:

EDW. W. MARTIN,

A. W. MARTIN.