

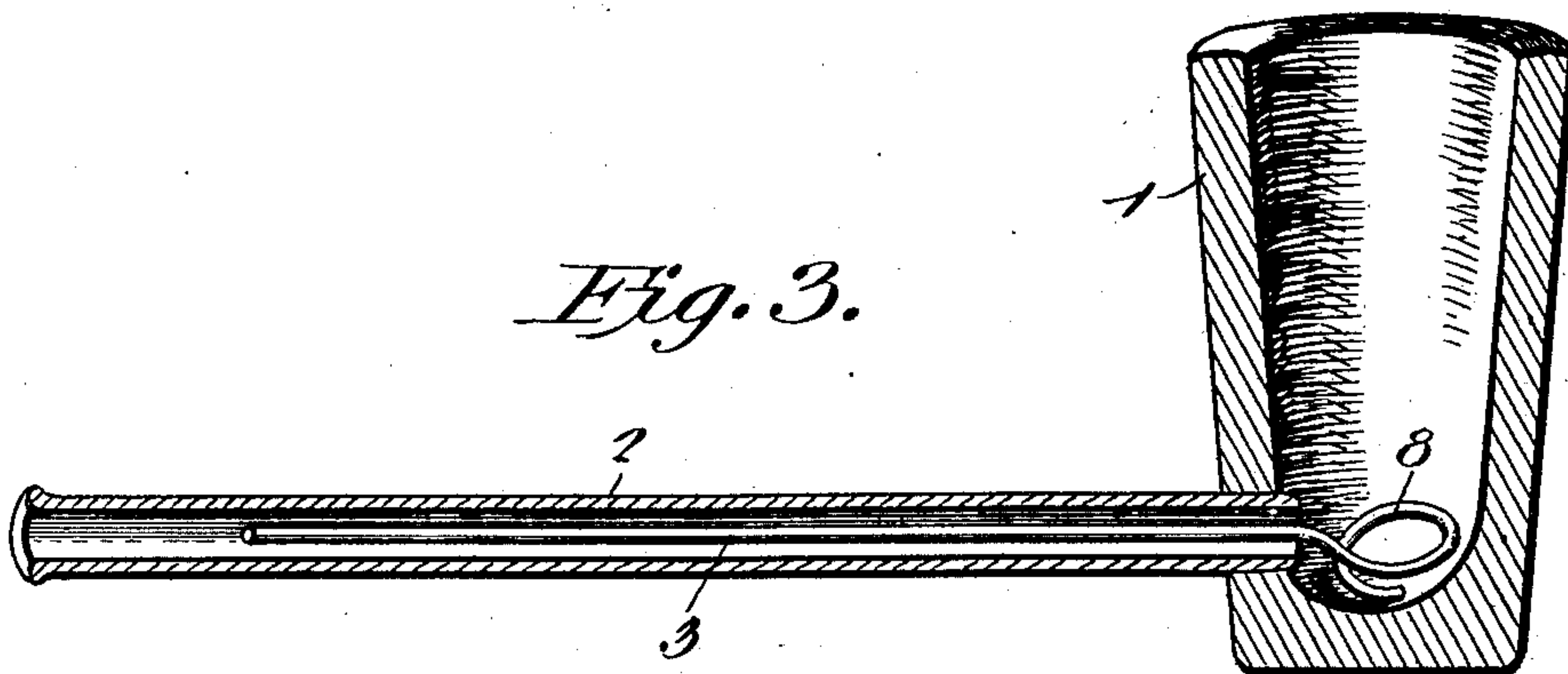
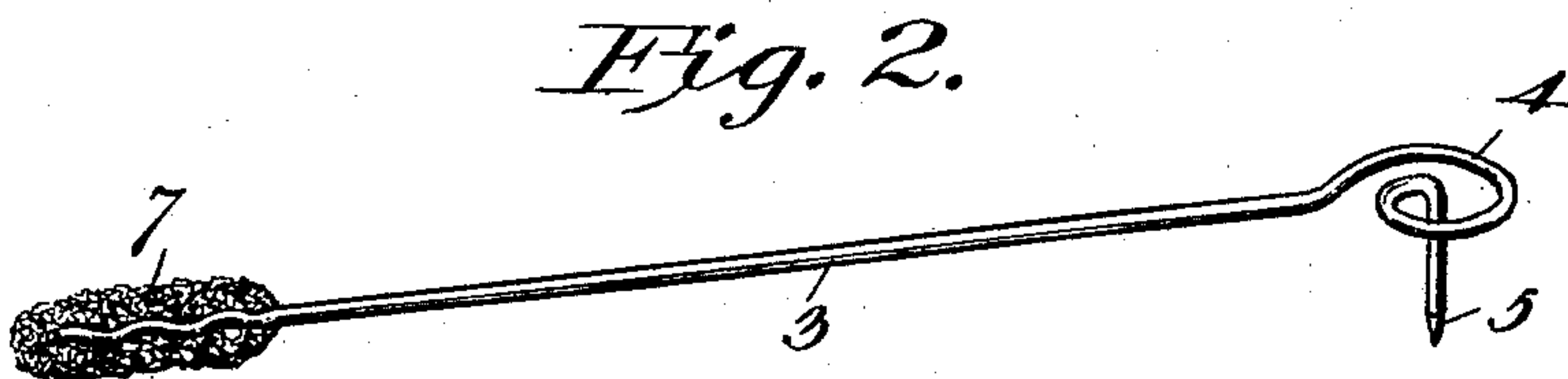
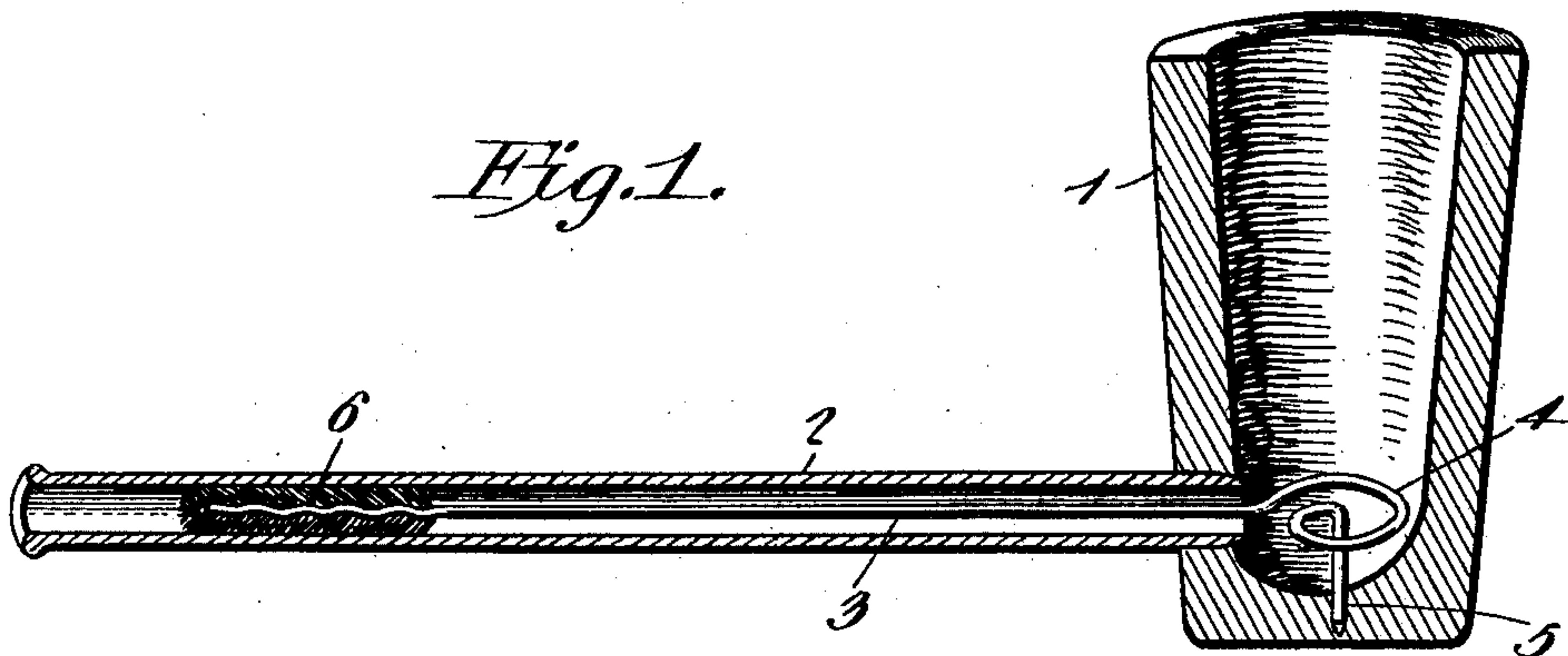
No. 683,006.

Patented Sept. 17, 1901.

A. S. SPEIRS.  
TOBACCO PIPE ATTACHMENT.

(Application filed May 31, 1901.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

ALBERT S. SPEIRS, OF NEW YORK, N. Y.

## TOBACCO-PIPE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 683,006, dated September 17, 1901.

Application filed May 31, 1901. Serial No. 62,644. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT S. SPEIRS, a citizen of the United States, residing at New York, in the county of New York and State  
5 of New York, have invented a new and useful Tobacco-Pipe Attachment, of which the following is a specification.

This invention relates to tobacco-pipe attachments which are held in the pipe; and  
10 the purpose of the present attachment is to provide simple means for cleaning the stem and also adapted to prevent the passage of sediment or residuum from the stem into the mouth of the smoker, the said means being  
15 always in convenient position for use without requiring a search for a device independent of the pipe to clean the latter.

The invention contemplates, primarily, a pipe having a removable stem with a cleaning device formed with an enlargement located in the bowl of the pipe and the remaining portion extending through a greater part of the length of the stem, whereby the stem may be withdrawn from the bowl and  
20 the latter serve as a handle or grip to support the projecting portion of the device while inserting it through the separated stem to remove the sediment or collected residuum from the latter.

The invention also consists of a pipe having a removable stem with a cleaning device formed with an enlargement located in the bowl of the pipe and the remaining portion extending through a greater part of the  
25 length of the stem and provided with a cleansing-brush or absorbent material which will also serve to purify the smoke passing into the mouth of the smoker when the stem is connected to the bowl.

The invention further contemplates the improved means or attachment as an article of manufacture which is capable of application to and withdrawal from any pipe and need not be combined in any particular manner with any precise make or form of pipe.  
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The invention further contemplates the details of construction and arrangement of the several parts, which will be more fully hereinafter described and claimed and subject to a wide range in modification in the form, size, proportions, and minor features  
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without departing from the principle of the invention.

In the drawings, Figure 1 is a sectional perspective view of a pipe-bowl and separable  
55 stem, showing the attachment in operative relation thereto. Fig. 2 is a detail perspective view of the form of the attachment shown by Fig. 1. Fig. 3 is a view similar to Fig. 1, showing a slightly-modified form of  
60 the attachment.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1, Figs. 1 and 3, designates a  
65 bowl having a stem 2 removably fitted thereto, the pipe illustrated by said figures being of the corn-cob type, to which the attachment is particularly adapted, though it is intended to use said attachment with any kind of  
70 pipe having a removable stem. The attachment consists of a wire 3 or filament of other material having sufficient resiliency to give it body enough to practically perform its intended operation. The extremity of the attachment located within the bottom of the  
75 bore of the bowl is formed with an enlargement which, as shown by Figs. 1 and 2, is in the form of a horizontal coil 4, with a central vertical terminal 5 depending below the  
80 plane thereof for partial insertion in the bowl-bottom. This enlargement maintains the connected relation of the attachment with the bowl and also has a further function of preventing digging of the bottom of the bowl  
85 by a knife-blade or the like in cleaning said bowl, and thus roughen or impair said bowl-bottom in the manner which now commonly occurs. In that class of pipes which are composed of soft material, such as corn-cob  
90 pipes, the knife-blade point or other pointed device used in cleaning the bowls thereof frequently penetrates the bottom of the bowl and forms recesses therein by breaking out parts thereof, thereby ruining the pipe; but  
95 the enlargement heretofore set forth will overcome this injury. The major portion of the wire or filament extends longitudinally through the stem 2, the said portion of the wire or filament being less in length than the  
100 stem, and on the rear terminal thereof, as shown by Fig. 1, a brush 6 is applied, whereas



the similar form of the attachment, as shown by Fig. 2, has its rear terminal supplied with a cotton or other absorbent covering 7. Both the brush and cotton covering serve as a cleaner for the stem and means for preventing the free passage of sediment or residuum from the stem into the mouth of the smoker, and thus the smoke will exit from the stem in a purified condition. The cotton or other absorbent covering will take up the liquid deposit in the stem and may be renewed at any time found necessary and prevent the steam from becoming foul and injurious to the smoker.

The simplified form of the device shown by Fig. 3 embodies a loop or coil 8, with the terminal at the bottom of the bore of the bowl and the remaining portion extending through the greater part of the stem and without either a brush or covering. This showing is intended to indicate the practical use of the device for cleaning pipe-stems without relying on a brush or the like, and in both forms of the attachment it will be understood that the enlargement is to prevent separation of the same from the pipe-bowl when the stem is withdrawn, so that the bowl may be conveniently used as a handle or grip for supporting the projecting portion of the wire or filament for engagement with the stem in the operation of cleaning the latter. It will also be understood that the form of the enlargement may be varied indefinitely. The improved device may also be inserted through the bore of the bowl, from the upper portion of the latter, and threaded through the stem-orifice. It is also proposed to make and sell the improved device as a separate article and have it combined with a pipe in certain manufactures, and different materials suitable for the purpose will be employed in constructing the device.

The operation of cleaning the stem is simple, and consists in first removing or detaching the stem from the bowl and then grasping the latter so that the portion of the attachment projecting therefrom may be readily pushed into the stem, the said stem being reversed and the entrance of the attachment made at the mouthpiece extremity, though

this is not actually necessary to cause the device to effectually perform its cleaning function. The form of the attachment carrying the brush may have the brush thereof cleansed as often as found necessary, and the cotton or other absorbent covering may be renewed whenever it becomes filled with the liquid deposit and other sediment or residuum.

The use of the improved device will not interfere with the draft of the pipe, and by its provision and retention in connection with the pipe a convenient and reliable means will always be at hand for cleansing the stem.

Instead of using cotton or bristles on the terminal of the projected portion of the cleaner wool, wood fiber, or the like may be equally well employed.

Having thus described the invention, what is claimed as new is—

1. The combination with a pipe-bowl and a stem, of a cleaning attachment having a coiled extremity lying and held within the base portion of the chamber of the bowl, the remaining part of the said attachment extending from the bowl into the stem.

2. The combination with a pipe-bowl having a stem completely removable therefrom, of a cleaning attachment held by the bowl for insertion into the stem, whereby the entire smoke-conduit from the bowl may be cleansed by the attachment.

3. The combination with a pipe-bowl having a removable stem, of a cleaning attachment having an enlarged extremity held within the bowl and a portion projecting from the latter for insertion in a stem.

4. As an improved article of manufacture, a pipe-cleaning attachment having a coil with a depending securing member for engagement with the lower portion of a pipe-bowl, and a projected portion for insertion in a pipe-stem.

In testimony that I claim the foregoing as my own I have heretoaffixed my signature in the presence of two witnesses.

ALBERT S. SPEIRS.

Witnesses:

E. E. HOYLE,

FRANK S. APPLEMAN.