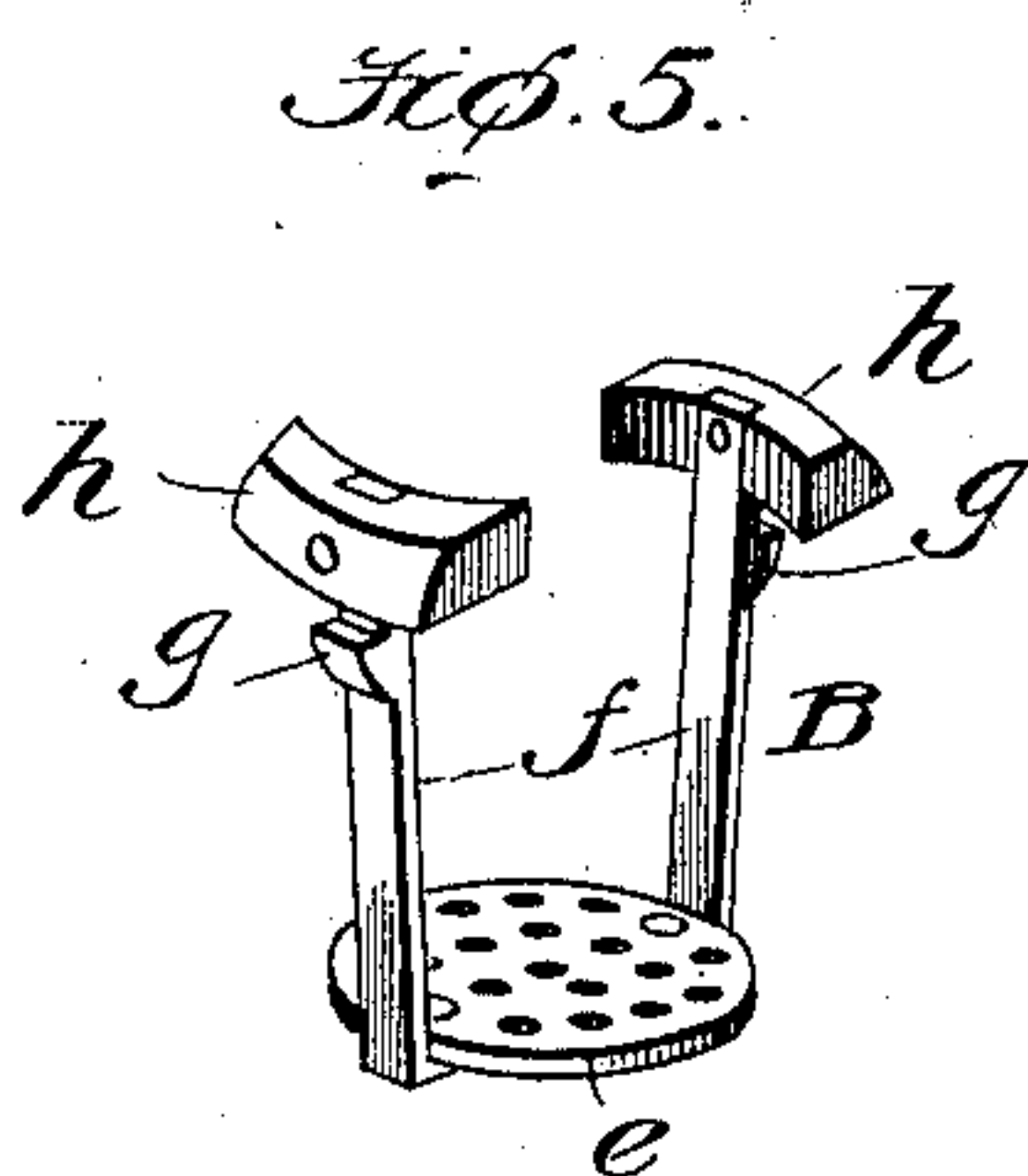
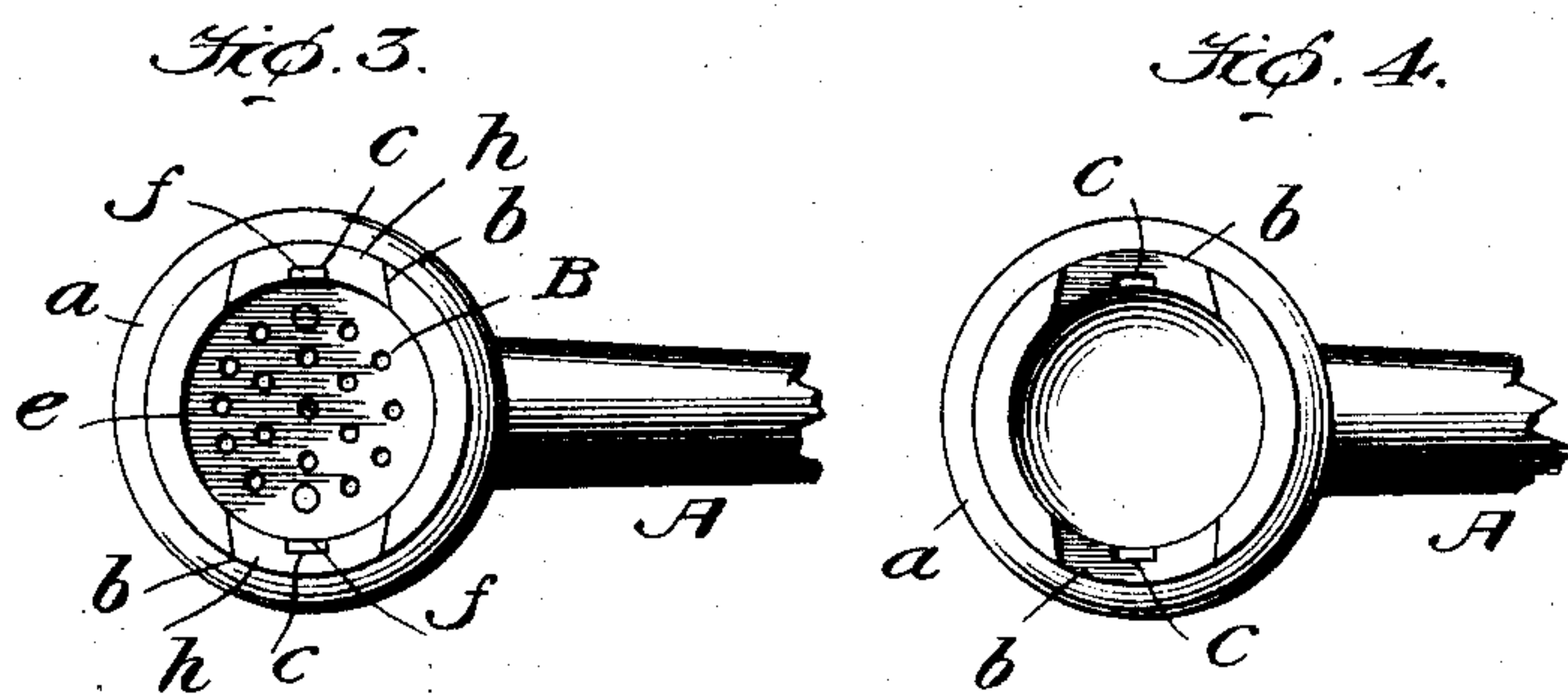
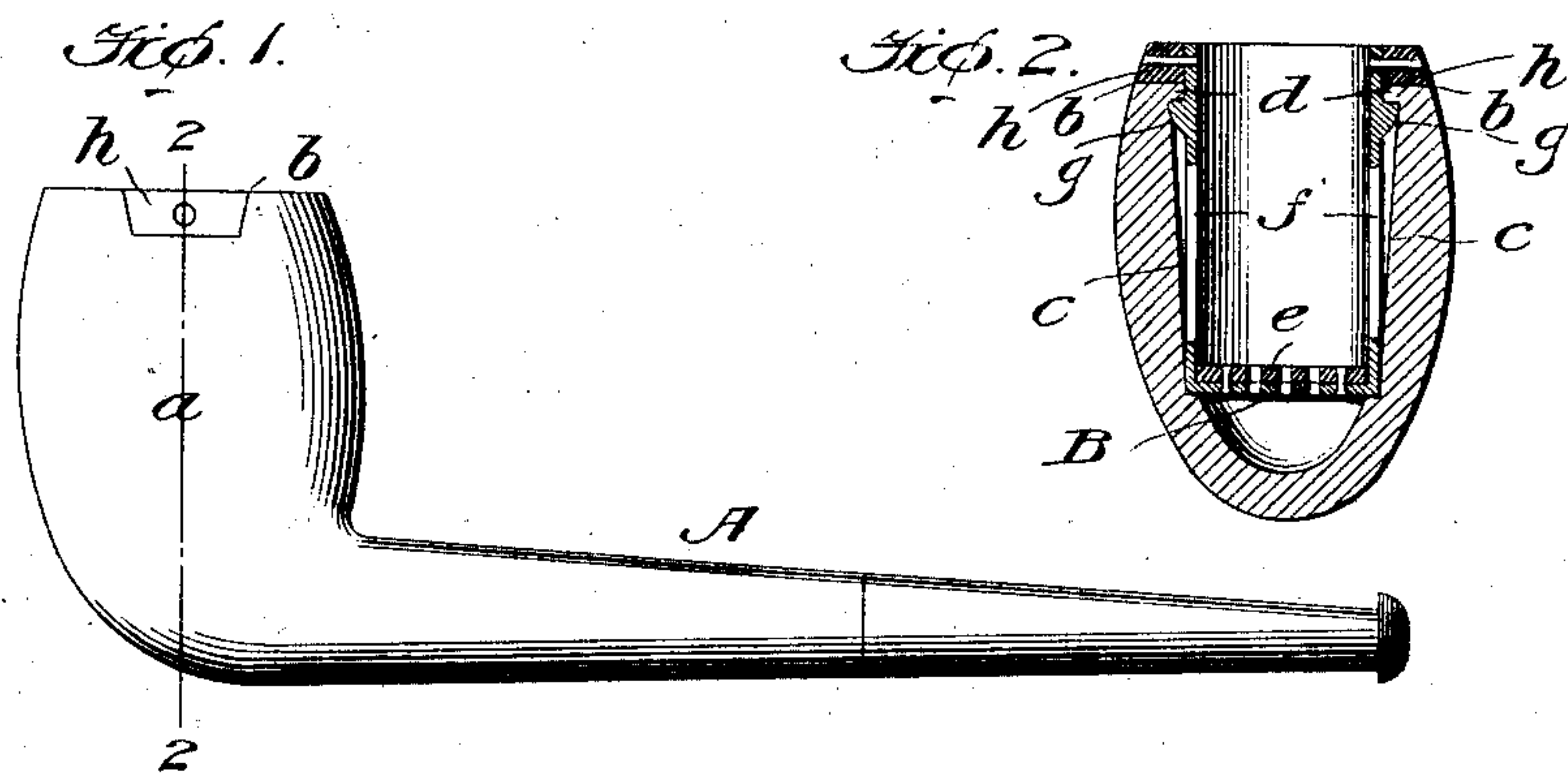


A. LABARRE.
TOBACCO PIPE.
APPLICATION FILED OCT. 1, 1908.

905,715.

Patented Dec. 1, 1908.



Witnesses

[Signature]

J. J. Shuey Jr.

By

Arsene Labarre.

[Signature]

Attorney

UNITED STATES PATENT OFFICE.

ARSENE LABARRE, OF WOONSOCKET, RHODE ISLAND.

TOBACCO-PIPE.

No. 905,715.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed October 1, 1908. Serial No. 455,626.

To all whom it may concern:

Be it known that I, ARSENE LABARRE, a subject of the King of England, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Tobacco-Pipes, of which the following is a specification.

My invention relates to tobacco pipes; and it has for its object to provide the bowl of a tobacco pipe with simple and inexpensive means for effectually preventing tobacco and nicotin from gaining access to and obstructing the bore of the pipe, which means is adapted to be expeditiously and easily removed for cleaning or for any other purpose and yet is securely held against casual displacement while the pipe is in use.

With the foregoing in mind, the nature of the invention and its novelty, utility and practical advantages will be fully understood from the following description and claims when the same are read in connection with the drawings accompanying and forming part of this specification, in which:

Figure 1 is a side elevation of a tobacco pipe constituting the best practical embodiment of my invention of which I am cognizant. Fig. 2 is a transverse section taken through the bowl of the pipe in the plane indicated by the line 2—2 of Fig. 1. Fig. 3 is a plan view of the pipe bowl with my improved device in proper position for use. Fig. 4 is a plan view of the pipe bowl with my improved device removed, and Fig. 5 is a perspective view showing my novel device as the same appears when removed.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which:

A is a tobacco pipe having a bowl *a* which is preferably, though not necessarily, made of briar or other wood consonant to the purpose of a tobacco pipe. The pipe as a whole and the bowl *a* are preferably of the ordinary well known construction, with the exception that the bowl is provided in its upper edge and at diametrically opposite points with recesses or seats *b*, tapered or gradually reduced in width outwardly for an important purpose hereinafter set forth. The bowl *a* is also peculiar in that it is provided in its interior with diametrically opposite vertical grooves *c* and with diametrically opposite, interior shoulders *d*; the latter being disposed at the upper ends of the grooves *c* and

immediately below the recesses or seats *b*, Fig. 2.

As best shown in Fig. 5, my novel device B for preventing tobacco and nicotin gaining access to and obstructing the bore or smoke passage of the pipe, is made up of a foraminous diaphragm *e*, preferably of metal, and of a diameter to snugly occupy the lower portion of the pipe bowl, diametrically opposite resilient arms *f* suitably connected to and reaching upwardly from the foraminous diaphragm and having projections *g* near their upper ends adapted to assume positions below the before mentioned shoulders *d* in the pipe bowl, and enlargements *h*, preferably, though not necessarily, of the same material as the pipe bowl fixed on the upper portions of the arms *f* and corresponding in shape and size to the said recesses or seats *b* in the pipe bowl. I prefer as stated to make the enlargements *h* of the same material as the pipe bowl, for then, as will be readily appreciated, the material displaced from the bowl in forming the recesses or seats *b* may be utilized to form the said enlargements *h*.

In the practical use of a pipe equipped with my novel device, it will be seen that the foraminous diaphragm *e* will support tobacco in the bowl *a* and without obstructing the passage of smoke will effectually prevent tobacco and nicotin from getting into and obstructing or clogging up the smoke passage of the pipe. When the device is positioned in the bowl of the pipe as shown in Figs. 1, 2 and 3, it will be manifest that the resiliency of the arms *f* will retain the enlargements *h* in the recesses or seats *b* of the bowl, and will also retain the projections *g* under the shoulders *d* in the bowl. From this it follows that the projections *g* by cooperating with the shoulders *d* will prevent upward movement of the device in the bowl, while the arms *f* and the enlargements *h* will, by cooperating with the bowl, prevent turning of the device in the bowl. It will also be manifest that the resilient arms will force the enlargements *h* outwardly in the recesses or seats *b* and retain the said enlargements in such position that the outer sides thereof will rest flush with the exterior of the bowl, with the result that the pipe will present the appearance of an ordinary pipe. When, however, it is necessary to remove the device from the bowl for cleaning or any other purpose, it is simply neces-

sary for the pipe user to press the enlargements *h* inwardly sufficiently far to enable the projections *g* to clear the shoulders *d*, when the device may be readily withdrawn upward from the bowl. To replace the device in the bowl it is simply necessary to press the resilient arms *f* inwardly and introduce the device into the bowl, and then relieve the resilient arms from pressure when the enlargements *h* are opposite the recesses or seats *b*, and the projections *g* are in a plane slightly below the shoulders *d*, whereupon the arms tending to spring outwardly will put and hold the projections *g* under the shoulders *d*, and the enlargements *h* in the recesses or seats *b*.

It will be noted from the foregoing that my improvements while efficient for the purpose stated are very simple and inexpensive and hence do not appreciably increase the cost of producing the pipe.

The construction herein illustrated and described constitutes the best practical embodiment of my invention of which I am cognizant, but it is obvious that in the future practice of the invention such changes or modifications may be made as fairly fall within the scope of my invention as defined in the claims appended.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

1. In a tobacco pipe, the combination with a bowl having in its upper end diametrically opposite recesses which are tapered or gradually reduced in width outward, of a device removably arranged in the bowl and comprising means for supporting tobacco and preventing the same from reaching the smoke passage of the pipe, and resilient arms connected with the said means and having enlargements at their upper ends corresponding in shape and size to the recesses in the upper end of the bowl and retained by the resilient arms in said recesses.

2. In a tobacco pipe, the combination with a bowl having in its upper end diametrically opposite recesses which are tapered or gradually reduced in width outwardly and also having shoulders disposed below said re-

cesses, of a device removably arranged in the bowl and comprising means for supporting tobacco and preventing the same from reaching the smoke passage of the pipe, and resilient arms connected with the said means and having projections adapted to assume positions under the shoulders of the bowl and also having enlargements located at their upper ends and corresponding in shape and size to the recesses in the upper end of the bowl and occupying said recesses.

3. In a tobacco pipe, the combination with a bowl having in its upper end diametrically opposite recesses which are tapered or gradually reduced in width outwardly and also having diametrically opposite vertical grooves and shoulders at the upper ends of said grooves, of a device removably arranged in the bowl and comprising means for supporting tobacco and preventing the same from reaching the smoke passage of the pipe, and resilient arms connected with the said means and normally occupying the vertical grooves in the bowl and having projections adapted to assume positions under the shoulders in the bowl and also having enlargements located at their upper ends and corresponding in shape and size to the recesses in the upper end of the bowl and occupying said recesses.

4. In a tobacco pipe, a device comprising means for supporting tobacco, and resilient arms connected with said means and provided with outwardly extended enlargements, in combination with a bowl in which the device is removably arranged; the said bowl being provided with means receiving the enlargements on the arms of the device and enabling said enlargements to extend laterally outward to the outer side of the bowl, whereby said enlargements may be pressed inward through the medium of the thumb and forefinger.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARSENE LABARRE.

Witnesses:

EDGAR L. SPAULDING,
AMEDEE LABARRE.