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1,560,903

F. EICHE

DEVICE FOR CLEANING SMOKING PIPES

Filed Nov. 24, 1924

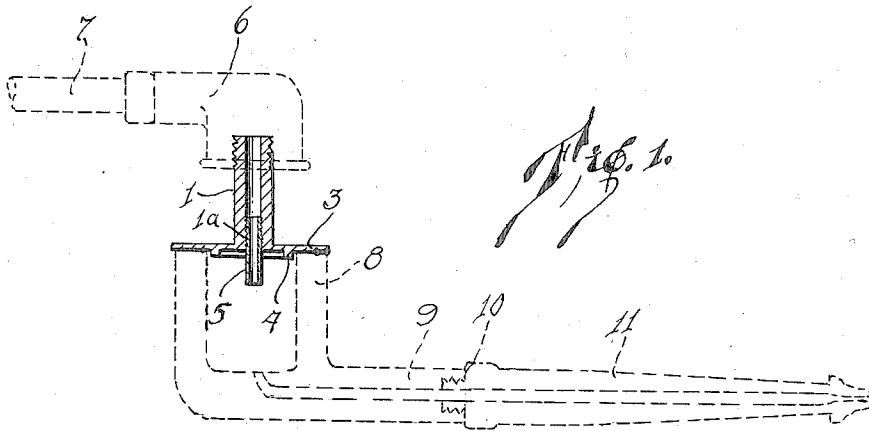


Fig. 1.

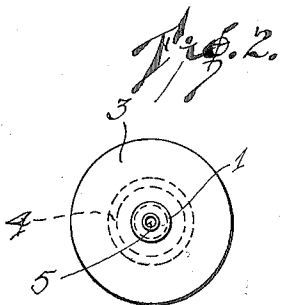


Fig. 2.

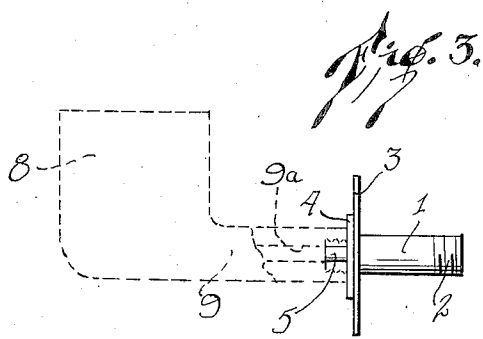


Fig. 3.

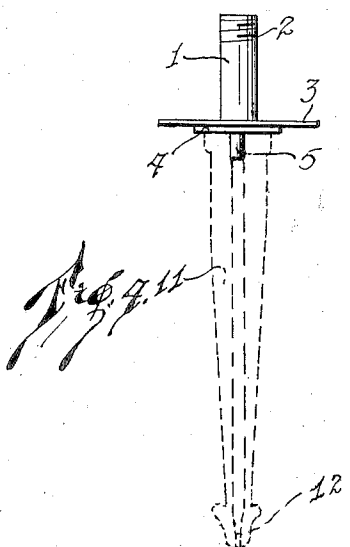


Fig. 4.

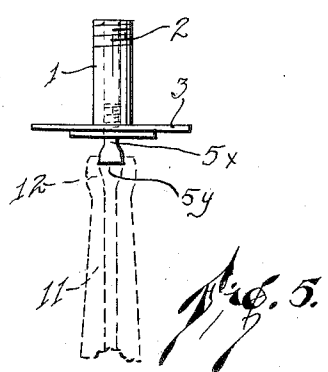


Fig. 5.

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DEVICE FOR CLEANING SMOKING PIPES.

Application filed November 24, 1924. Serial No. 751,984.

To all whom it may concern:

Be it known that I, FREDERICK EICHE, a citizen of the United States, and a resident of Lincoln, county of Lancaster, State of Nebraska, have invented a new and useful Improvement in Devices for Cleaning Smoking Pipes, of which the following is a full, clear, and exact description.

My invention relates to improvements in devices for cleaning smoking pipes, and it consists in the combinations, constructions, and arrangements herein described and claimed.

An object of my invention is to provide a simple device which may be carried in the pocket of the smoker, and by means of which a pipe may be very readily cleaned, without the necessity of blowing the moisture-laden breath of the user through it.

A further object of my invention is to provide a means which will permit a powerful blast of compressed air, such as that obtained at an automobile service station, to be applied to the pipe, so as to effectually clean it.

A further object of my invention is to provide a device of the type described, which is simple in construction and comparatively inexpensive to manufacture.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a central sectional view of the device as applied to the bowl of the pipe,

Figure 2 is a plan view of the device,

Figure 3 is a side elevation as applied to a portion of the stem,

Figure 4 is a side elevation as applied to another portion of the stem, and

Figure 5 is a view of a modified form of the device.

In carrying out my invention, I provide a tube portion 1, which is preferably threaded exteriorly toward the end thereof, as shown at 2. The pipe portion has a flange 3 which in the present instance is shown as an integral disk. On the opposite side of the disk 3 from the pipe portion 1 is an annular flange 4.

The interior wall of the tube or pipe 1 has a threaded portion 1^a arranged to receive a

threaded portion of a small auxiliary tube 5 which is securely fastened thereto.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. The device, which is shown substantially in full size of the drawing, may be readily carried in the pocket of the smoker. When he desires to blow out the pipe, he may place the disk 3 over the top of the bowl 8, the annular flange 4 entering the bowl and forming a means by which the disk is centered. Now by applying to the tube 1 the valve casing 6 of the air hose 7, and pressing against the end of the tube 1 as one would press against the valve stem of a pneumatic tire, the compressed air is forced through the tubes 1 and 5 and through the pipe, thus cleaning the latter of any accumulation. This air is, of course, dry, and there is not the danger of saliva accumulating in the pipe bowl or stem.

In Figure 3 I have shown the means of blowing out the stem portion 9. To this end, the pipe stem is unscrewed at 10, and the device is applied to the stem by inserting the small auxiliary tube 5 in the bore 9^a, and then admitting the compressed air in the manner shown in Figure 1.

The stem portion 11 may also be cleaned in a similar manner by thrusting the auxiliary tube 5 into the bore.

In Figure 5, I have shown a modified form of the device. In this figure, the auxiliary tube 5^x has its end 5^y flattened so as to enter the flattened or elongated bore in the mouth-piece 12 of the stem portion 11. This will insure the proper cleansing of the stem by a powerful blast of dry air. The tube 1 is preferably threaded at its end, as already described, since it may be desirable to attach to this end a threaded hose connection, such, for instance, as an air pump or compressor (not shown).

I claim:

1. As an article of manufacture, a tube having an integral lateral flange at one end thereof, an auxiliary tube of smaller dimension carried by said first named tube and arranged to project on the opposite side of said flange, and an annular centering flange carried by said first named flange and surrounding said auxiliary tube, said auxiliary tube being adapted to enter the bore in the mouth piece of a pipe.

2. As an article of manufacture, a tube having one end threaded exteriorly, the opposite end of the tube having an integral circular flange extending laterally therefrom, an auxiliary tube having a threaded portion arranged to enter the first named tube to secure said auxiliary portion to said first named tube, and an annular flange carried by said first named flange on the face opposite said first named tube and arranged to surround said auxiliary tube, said auxiliary tube being adapted to enter the bore in the mouth piece of a pipe. 10

FREDERICK EICHE.