

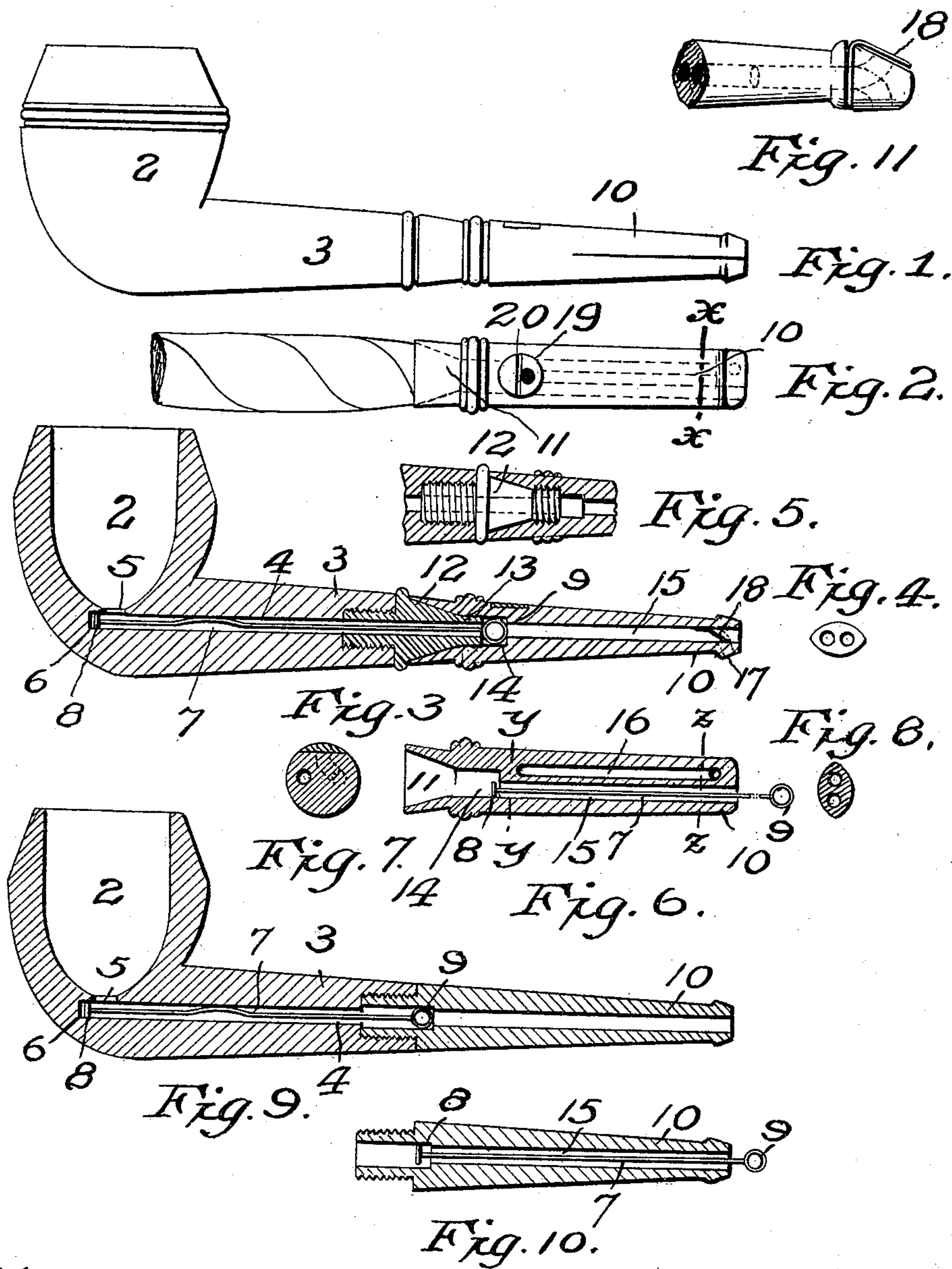
No. 610,597.

Patented Sept. 13, 1898.

J. BIGELOW.
SMOKING PIPE.

(Application filed Dec. 28, 1897.)

(No Model.)



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UNITED STATES PATENT OFFICE.

JOHN BIGELOW, OF MINNEAPOLIS, MINNESOTA.

SMOKING-PIPE.

SPECIFICATION forming part of Letters Patent No. 610,597, dated September 13, 1898.

Application filed December 28, 1897. Serial No. 663,827. (No model.)

To all whom it may concern:

Be it known that I, JOHN BIGELOW, of the city of Minneapolis, county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Smoking-Pipes, of which the following is a specification.

This invention relates to improvements in smoking-pipes and cigar-holders; and the objects which I have in view are, first, to provide a combination pipe and cigar-holder—that is, a device having parts which together constitute a complete pipe, one of said parts being separable to permit the use of the other as a cigar-holder; second, to provide a pipe with an independent cleaning device arranged and carried in the stem thereof; third, to provide a cleaning device carried in the smoke-duct of a pipe and adapted for use in cleaning the portions of the duct in both the pipe-stem and the mouthpiece, and, fourth, to provide a combination pipe and cigar-holder wherein means are arranged for the exhalation of the smoke through an independent outlet-duct.

The particular object of my invention is to improve and add to the device shown and described in my pending application, entitled "Cigar-holder and tobacco-pipe," filed November 6, 1896, Serial No. 657,607.

The invention consists generally in constructions and combinations of parts, all as hereinafter described, and particularly pointed out in the claims.

The invention will be more readily understood by reference to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a side view of a combination pipe and cigar-holder embodying my invention. Fig. 2 illustrates the employment of a holder with a cigar. Fig. 3 is a sectional view of the pipe and holder or stem. Fig. 4 is an end view of the mouthpiece. Fig. 5 is a detail showing the screw-thread connection between the pipe-stem and the holder or mouthpiece. Fig. 6 is a sectional view of the cigar-holder portion on the line *xx* of Fig. 2. Fig. 7 is a sectional view on the line *yy* of Fig. 6. Fig. 8 is a sectional view on the line *zz* of Fig. 6. Fig. 9 is a sectional view of an ordinary pipe equipped with a cleaner. Fig. 10 illustrates the use of a cleaner in the mouthpiece or stem. Fig. 11 shows another form of smoke-duct valve.

In the drawings, 2 represents the bowl of

the pipe, which may be formed as desired and may be of any suitable material. 3 is the stem thereof. This stem is provided with a longitudinal duct 4 in the usual manner, and this opening connects with the bowl of the pipe through the opening 5. I provide a socket 6 beyond the point where the opening 4 connects with the pipe-bowl 5, as shown in Figs. 3 and 9. I arrange in the stem of the pipe an independent cleaner consisting of a wire or other suitable strip 7, provided at its inner end with the small button or head 8, about the size of and suitably formed to pass through the smoke-ducts of both the stem and the mouthpiece. When the cleaner is inserted into the stem of the pipe, the button 8 will be in the socket 6, so that it is beyond the opening from the stem of the pipe into the bowl and does not interfere with the draft. Any accumulation of nicotine or other matter on the stem of the pipe will be between the button or head 8 and the end of the stem, and when the cleaner is drawn out all of this material will be removed at once with the cleaner. The wire may have a bend in it, (see Fig. 3,) which will cause sufficient friction between the cleaner and the walls of the stem of the pipe to hold the cleaner normally in position and prevent it from dropping out when the mouthpiece is removed from the pipe.

Different kinds or forms of cleaners may be used. The cleaner may be trough-like in form; but I intend that all shall be of such a length that when placed in the pipe-stem the button or head will project beyond the opening of the bowl, while the inner end will project from the stem, so that it may be grasped with a small eye or loop 9, by which the cleaner may be worked, and if desired a small valve may be arranged in connection with the end of the stem to prevent the smoker from blowing back through the bowl of the pipe.

The mouthpiece 10 of the pipe may be of any desired material and is a cigar-holder by itself, its outer end having a tapered bowl 11, which, as shown in Fig. 2, is adapted to receive the end of a cigar. The inner end of the pipe-stem 3 is formed to fit the bowl of the cigar-holder, and the two parts together form a complete pipe. I prefer to provide a separate fitting 12 on the inner end of the stem, and this has a conical, tapered, or curved surface to fit the bowl of the cigar-

holder or part 10, and to prevent the slipping of the two parts I prefer to arrange a cylindrical extension 13 on the fitting 12 and provide the cigar-holder with a cylindrical opening or extension 14 of the bowl to receive the part 13 and hold the stem and pipe in alignment. The socket 14 is deep enough to admit the loop or end 9 of the cleaner, whereby the cleaner is held against longitudinal movement. The duct 4 extends through the fitting 12, and the smoke-duct 15 of the cigar-holder is a straight duct between the socket 14 and the end of the holder. Thus far the ducts of the pipe and cigar-holder are like those in common use. In addition to the same I preferably employ an outlet-duct 15, opening through the under side of the cigar-holder at a point 17, while the outer end of the outlet-duct opens through the side of the cigar-holder near its outer end. When the pipe or the cigar-holder is in use, the openings of the inlet and outlet ducts are alternately opened and closed by the tongue. The outlet-duct is more readily closed with the tongue than the other duct, and to avoid the necessity for closing the inlet-duct I may provide a small valve 18, of either of the forms shown, upon the inner end of the cigar-holder or stem, closing automatically when the smoke is exhaled through the outlet-duct 16. In order that the cigar-holder and pipe may be used in the ordinary manner, I preferably arrange a closing-plate 19 at the outer end of the outlet-duct. This plate has an opening which may be made to register with the end of the duct or be moved away therefrom to close the duct, and the plate is preferably provided with a slot or cut 20, so that it may be readily turned with a knife-blade or screw-driver. The valve 18 does not interfere with the use of the pipe in the ordinary manner.

If the cigar-holder has been used alone, it is only necessary to place the stem of the pipe therein to complete a pipe, and in the preferred construction of my device the pipe, as well as the cigar-holder, is employed with the exterior exhaling opening or duct, whereby the pollution of the lips or mustache is avoided.

It is evident that numerous modifications in the form and construction of my invention may be made without departing from the spirit thereof, and I therefore do not confine myself to the specific constructions herein shown and described.

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

1. The combination, with a pipe having a suitable stem, of a mouthpiece secured thereto and provided with two ducts, one connected with the stem-duct and provided with a valve, and the other extending through the outer surface of the mouthpiece and its mouth-opening adapted to be opened and closed by the tongue, as set forth.

2. The combination of the pipe and its stem provided with a tapering end having a straight

extension, with a cigar-holder mouthpiece having a bowl fitting the tapering part and said extension, and provided with a chamber between the end of said stem and the mouthpiece, as and for the purpose specified.

3. The combination of the pipe and its stem provided with a tapering part having a straight extension, with a cigar-holder mouthpiece having a bowl fitting the tapering and straight extension parts of said stem, a chamber being left between said stem and mouthpiece and said mouthpiece having independent smoke-inlet and smoke-discharge ducts the latter opening through the side of the mouthpiece substantially as described.

4. The combination of the holder or stem provided with independent smoke inlet and outlet ducts, the latter opening through the side of the stem or holder, with a valve adjustable by the smoker, to close said outlet-duct, whereby the holder is adapted for use in the ordinary manner, substantially as described.

5. The combination, of the pipe, with the mouthpiece, said mouthpiece having independent inlet and outlet ducts the latter opening through the side of said mouthpiece and said inlet-duct provided with a valve preventing the backward passage of smoke through the inlet-duct, substantially as described.

6. The combination of the bowl and stem, with independent smoke inlet and outlet ducts both opening through the end of the stem, one thereof adapted to be opened and closed by the tongue of the smoker, and a valve provided in the other, substantially as described.

7. The combination, of the bowl and the stem, the latter provided with independent inlet and outlet ducts, with the removable end upon said stem through which said ducts open, and a valve upon said end for one of the ducts held by said removable end and removable therefrom, substantially as described.

8. The combination, of the bowl and the stem, the latter provided with independent inlet and outlet ducts, with the removable end upon said stem through which said ducts open, and a valve upon said end for one of the ducts, substantially as described.

9. The combination with a tobacco-pipe, of a cleaner, consisting of a shank, having a cleaner-head at one end and a handle at the other end, the pipe having in its mouthpiece an enlarged chamber in which the handle is located, the cleaner-head being located beyond the smoke-passage from the bowl, said cleaner being of such length as to be held against longitudinal movement when the mouthpiece is in position, as and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 21st day of December, A. D. 1897.

JOHN BIGELOW.

In presence of—

C. G. HAWLEY,
M. E. GOOLEY.