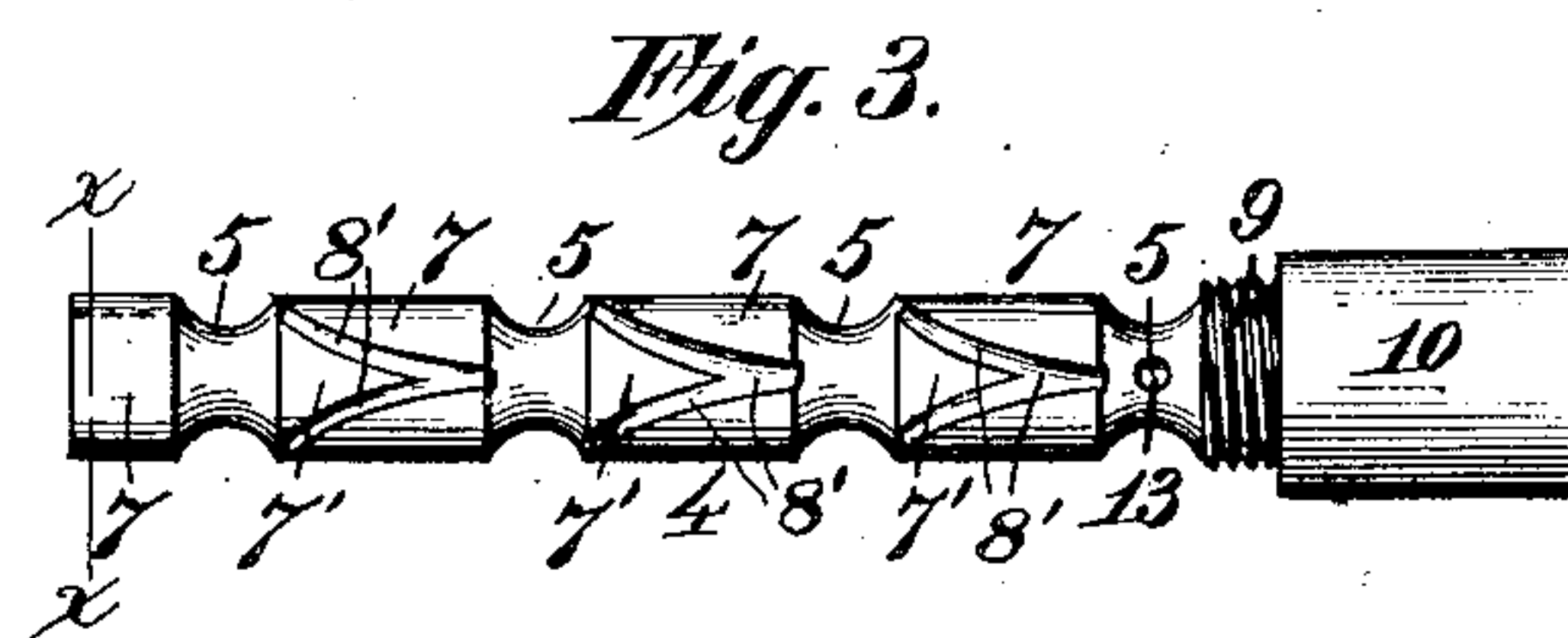
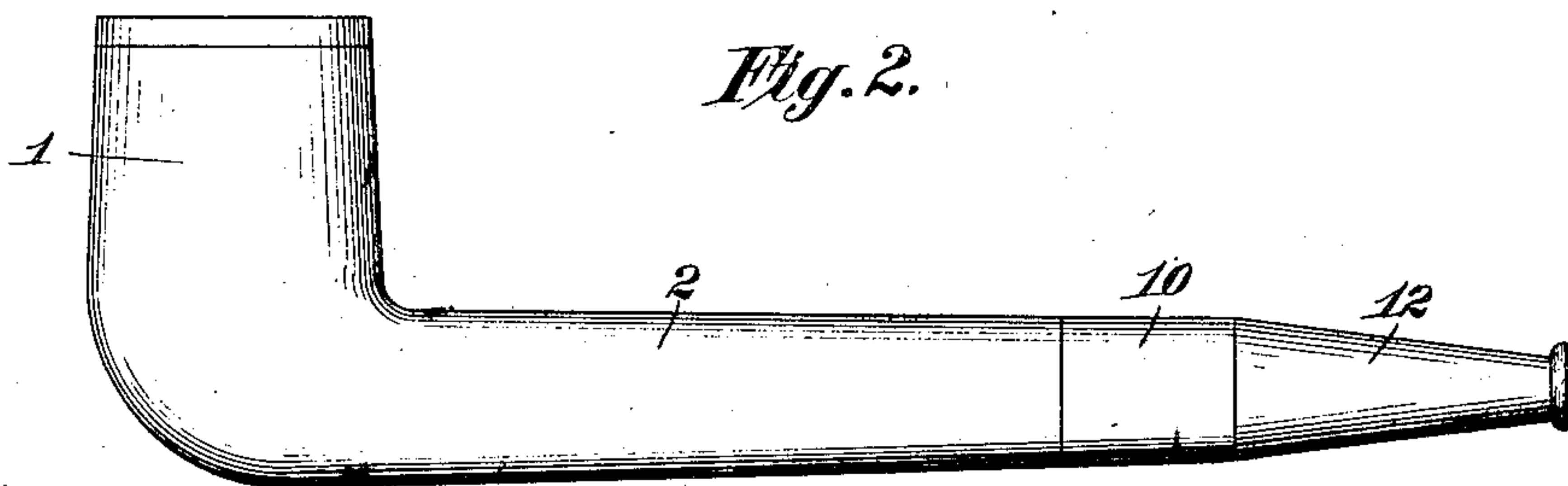
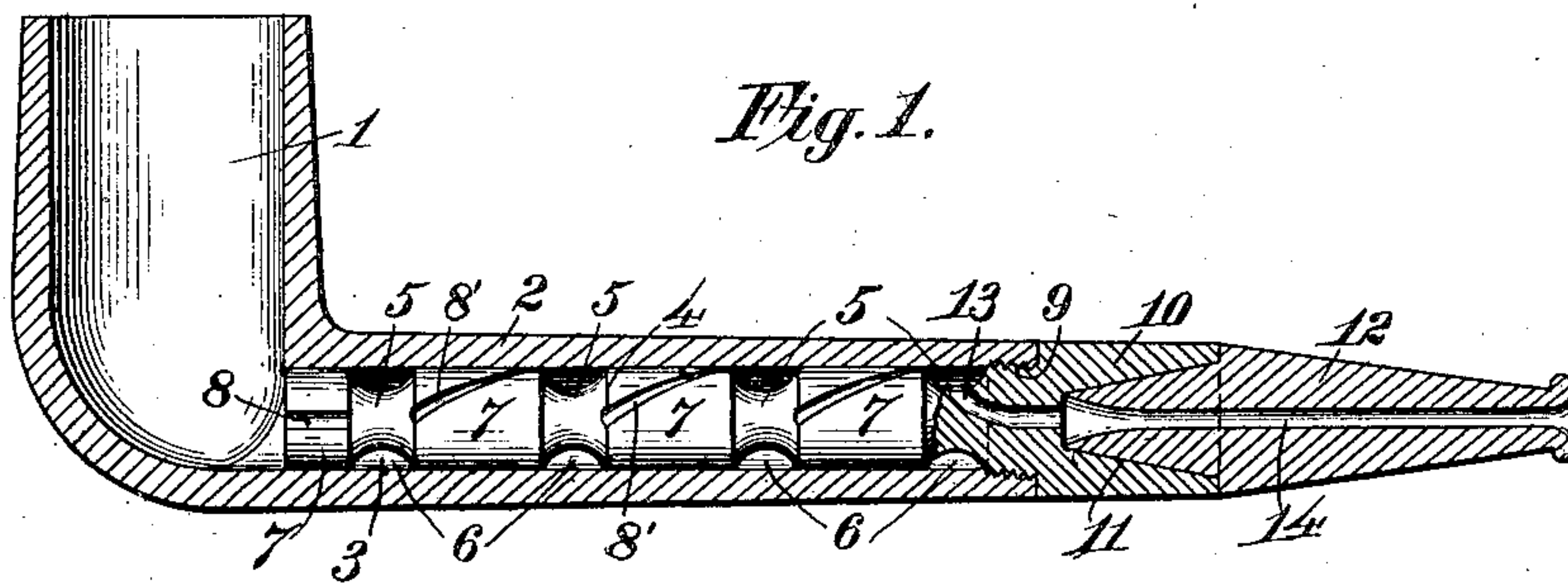


No. 879,796.

PATENTED FEB. 18, 1908.

W. H. PLANE.
TOBACCO PIPE.
APPLICATION FILED OCT. 10, 1907.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM H. PLANE, OF CHICAGO, ILLINOIS.

TOBACCO-PIPE.

No. 879,796.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed October 10, 1907. Serial No. 396,721.

To all whom it may concern:

Be it known that I, WILLIAM H. PLANE, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a specification.

My invention relates to tobacco pipes, and the object of my invention is to provide a pipe of such improved construction that the nicotine will be separated from the smoke in its passage from the bowl of the pipe to the smoker's mouth and will be deposited in suitable recesses provided to receive it.

A further object is to provide a pipe in which the smoke shall be considerably cooled before it reaches the mouth.

Further objects are, to provide a pipe as mentioned which shall be formed of few parts which may be readily taken apart and easily cleaned and as readily reassembled, and to provide a pipe having the characteristics mentioned which shall present a neat appearance not unlike that of the ordinary pipe.

Other objects will appear hereinafter.

With these objects in view my invention consists generally in a pipe comprising a bowl, a stem formed thereon having a cylindrical bore, a core arranged within said bore and having a tortuous passage, portions of which are arranged to constitute pockets to receive and hold the nicotine which is separated from the smoke as it passes through said passage.

My invention further consists in the various novel details of construction and arrangements of parts all as will be fully described hereinafter, and particularly pointed out in the claims.

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

Figure 1 is a longitudinal section of a pipe embodying my invention in its preferred form, Fig. 2 is a side elevation thereof Fig. 3 is a plan view of the core removed from the stem and Fig. 4 is a cross section on the line $x-x$ of Fig. 3.

Referring to the drawings, 1 indicates the bowl of the pipe which may be of any preferred form and is provided with the stem 2 having a cylindrical bore 3. The bore 3 is much larger than the usual bore in order to receive a core 4, which, being provided with

a tortuous passage and a plurality of nicotine pockets constitutes a baffle for the smoke. The core 4 is substantially cylindrical, fitting snugly within the bore 3 and is provided with a plurality of annular grooves 5 spaced at equal distances apart and forming with the bottom walls of the stem 2 nicotine pockets 6. The portions 7 of the core intermediate of the grooves 5, fit the bore snugly, and a smoke channel or passage is formed by connecting the grooves 5 with longitudinally disposed grooves formed in the portions 7. Any number of these grooves may be provided in the portions 7 but I find two a sufficient number and prefer to arrange them in the upper side of the core so as not to interfere with the nicotine collected in the bottom of the pockets 6. The grooves may be disposed in any suitable manner, but I prefer that illustrated in the drawings. The grooves 8 extending from the bowl of the pipe to the first nicotine chamber 6 are preferably straight and are arranged diametrically opposite to each other in the side of the first portion 7. The other portions 7 are each provided with a pair of grooves 8' forming an exit from the sides of each pocket and converging into one before reaching the top of the next succeeding pocket. By this arrangement the triangular portion between each pair of grooves forms a baffle 7' for the smoke emitting from the preceding grooves. This causes the nicotine to be deposited in the grooves 5 and to be finally collected in the bottom of the pockets.

The grooves forming a tortuous passage are arranged upon the surface of the core keeping the smoke in contact with the walls of the stem. This causes the smoke to be cooled to a considerable degree before reaching the mouth. The end of the core is threaded into the end of the stem 2 as at 9 and is provided with an enlarged portion 10 which forms an extension of the stem. The portion 10 is provided with a socket 11 to receive the end of the mouth piece 12. 13 indicates a small bore leading from the last groove 5 to the socket 11 and communicating with the bore 14 of the mouth piece.

The device is readily dismembered for cleaning. To this end the portion 10 carrying core 4 is unscrewed and withdrawn from the stem 2, after which the bore may be cleansed as well as the grooves in the core. Further the device presents a neat appearance not unlike that of the ordinary pipe.

The principal difference being a slight enlargement in the diameter of the stem.

Having described my invention what I claim as new and desire to secure by Letters
5 Patent is;

1. In a device of the class described, a bowl, and a stem having a cylindrical bore, in combination with a cylindrical core fitting snugly within said bore, said core having a
10 plurality of annular grooves spaced at equal distances apart thereon and a pair of grooves forming an exit from each said annular grooves and converging into one before dis-
charging into the next succeeding groove and
15 a mouth piece at the end of said core, substantially as described.

2. In a device of the class described, a bowl and a stem having a cylindrical bore, in

combination with a cylindrical core, arranged to fit within said bore, said core having a tor-
20 tuous passageway for the smoke and a plurality of nicotin pockets, an enlarged portion at the end of said core forming an extension of the stem and having a socket to receive the end of a mouth piece, a mouth
25 piece arranged therein and a threaded intermediate portion on said core for attaching the same and the mouth piece to the stem, substantially as described.

In testimony whereof I have signed my
30 name to this specification in the presence of two subscribing witnesses.

WILLIAM H. PLANE.

Witnesses:

FRANCES E. SHEEHY,
H. S. AUSTIN.