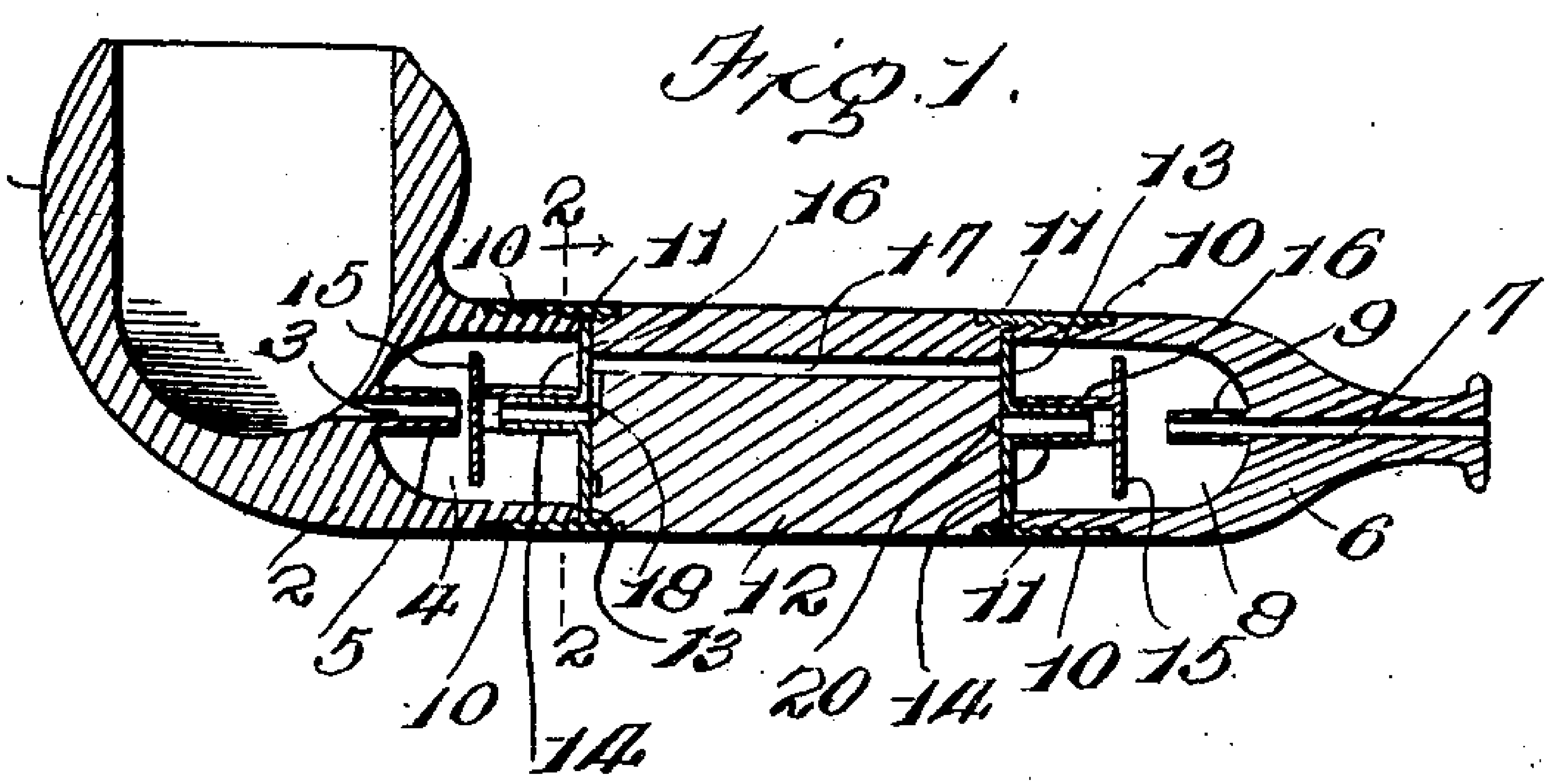
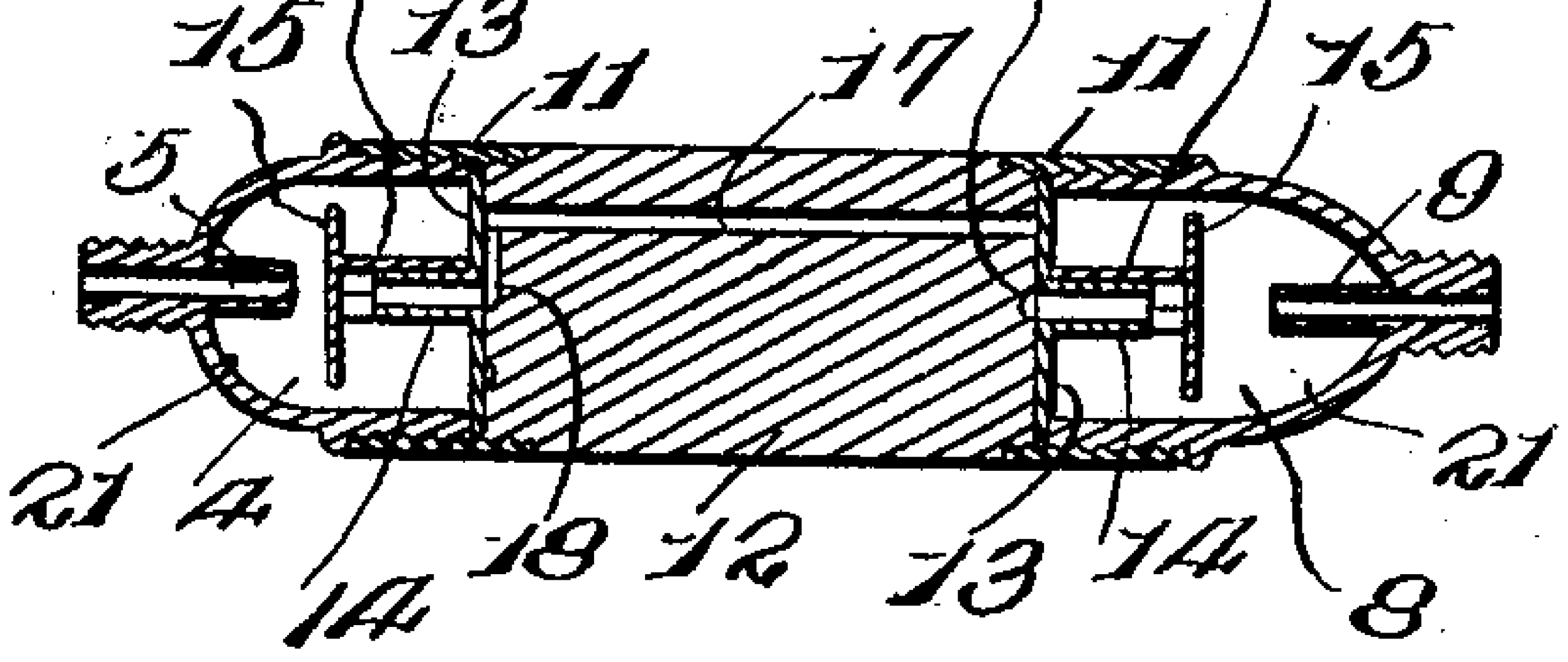
F. REGENOLD.

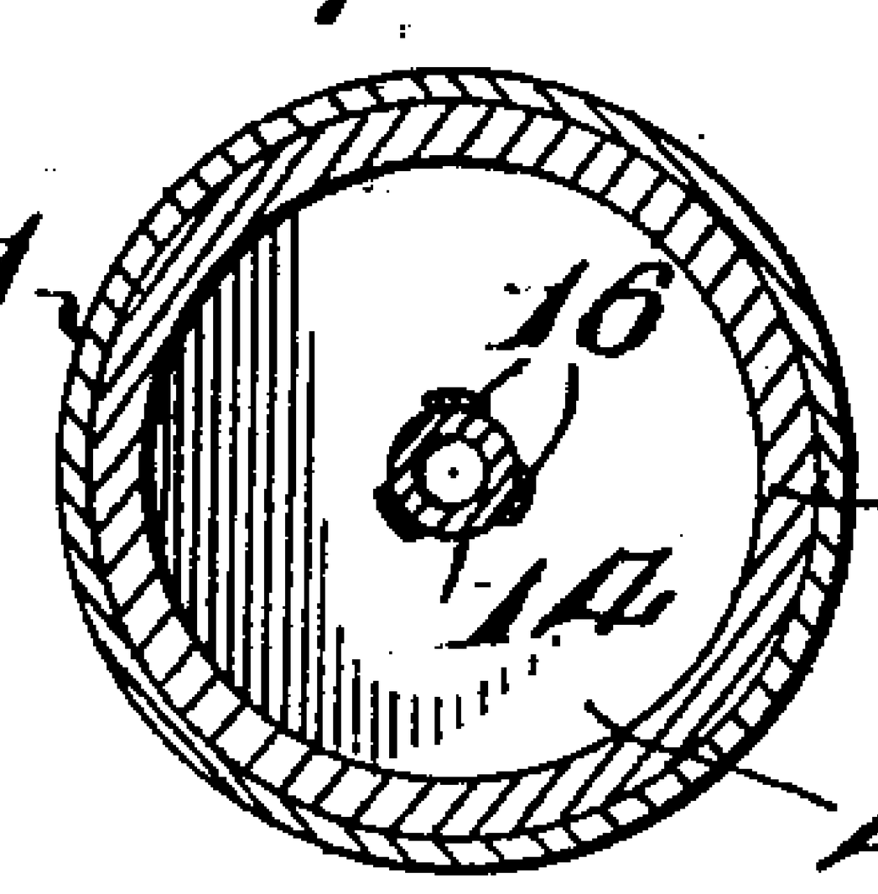
TOBACCO PIPE.

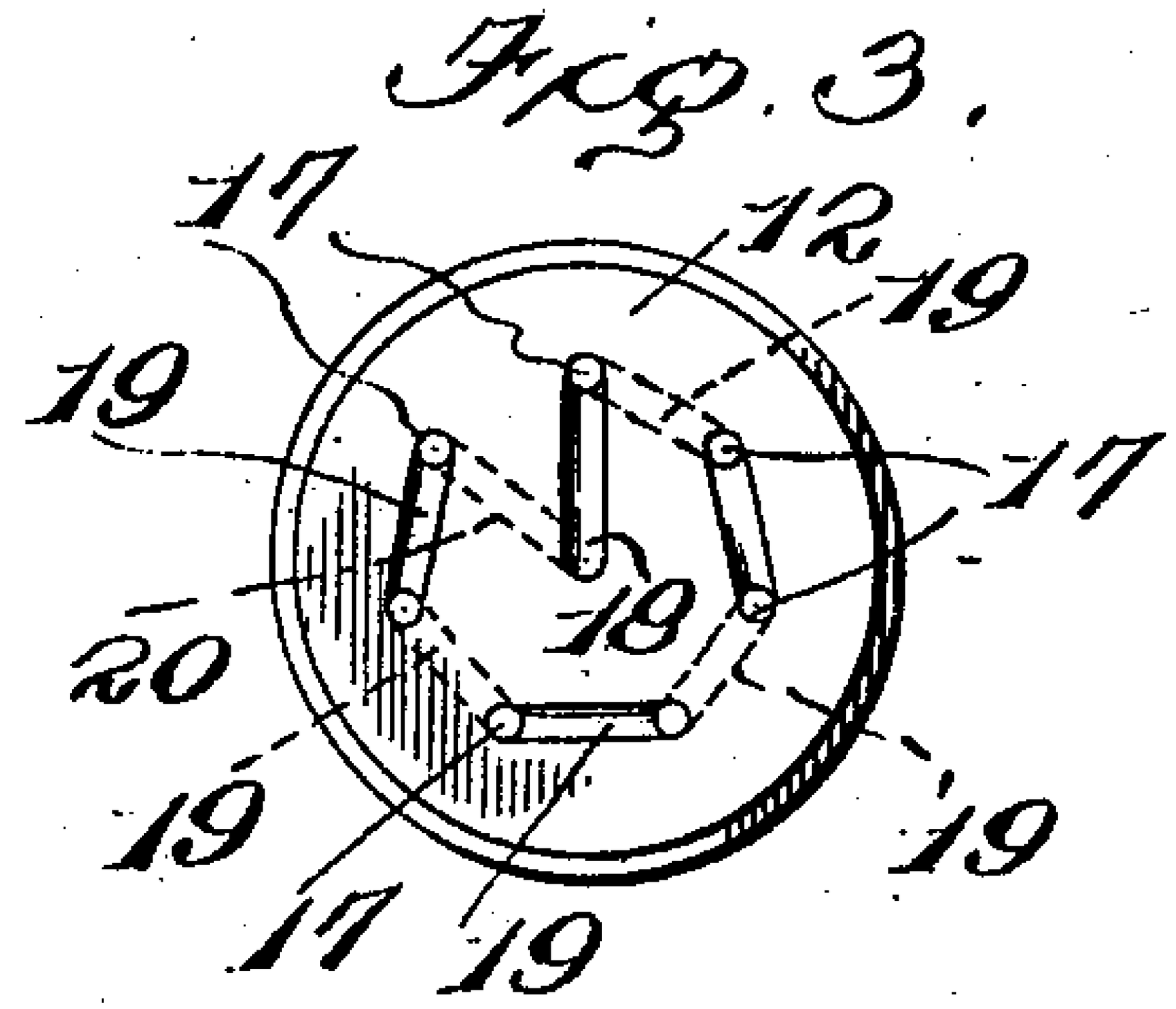
APPLICATION FILED JULY 24, 1908.

925,381. Patented June 15, 1909.









Witnesses

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UNITED STATES PATENT OFFICE.

FREDERICK REGENOLD, OF MEMPHIS, TENNESSEE, ASSIGNOR OF ONE-THIRD TO ROSE DELPECH AND ONE-THIRD TO E. H. DAVIS, OF MEMPHIS, TENNESSEE.

TOBACCO-PIPE.

No. 925,381. Specification of Letters Patent. Patented June 15, 1909.

Application filed July 24, 1908. Serial No. 445,260.

To all whom it may concern:

Be it known that I, FREDERICK REGENOLD, citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a specification.

This invention comprehends certain new and useful improvements in tobacco pipes, and the object of the invention is an improved device of this character which affords novel means for effectually preventing the entrance of saliva into the pipe bowl and the drawing of nicotin into the mouth of the smoker, which provides a tortuous passage for the smoke, to retard the same in order to effect the cooling thereof and thoroughly separate the nicotin from the smoke, and which is susceptible of being readily separated into its various parts, so as to permit the same to be conveniently cleaned or replaced by new parts when desired.

With this and other objects in view that will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe, and then point out the novel features thereof in the appended claim.

For a full understanding of the invention and the merits thereof, and to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a longitudinal section of a pipe constructed in accordance with my invention; Fig. 2 is an enlarged transverse section on the line 2—2 of Fig. 1; Fig. 3 is an end view of the main stem section on an enlarged scale; and, Fig. 4 is a longitudinal section illustrating a modification hereinafter specifically described.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing, by the same reference characters.

My improved pipe embodies a bowl 1 that may be of the usual or any desired construction or design, except that it is provided with a shank or relatively short stem section 2 having a longitudinal bore constituting a smoke passage 3 and formed in its end with a counterbore which provides the nicotin chamber 4 into which the smoke passage leads, the shank being formed within the nicotin chamber with a centrally disposed tubular extension 5 that affords a continuation of the smoke passage 3, as shown.

6 designates the mouthpiece of the pipe which may be of any suitable construction or design and which is formed with a smoke passage 7 leading into a nicotin chamber 8 and continuing therein a short distance by means of a tubular extension 9, the parts all being substantially similar to the corresponding parts in the shank. The adjacent ends of the shank and the mouthpiece are preferably exteriorly threaded, as indicated at 10 and are designed to be connected by annular threaded couplings 11 to a main stem section 12 to hold the same interposed between the bowl and the mouthpiece and also to abut against end disks 13 and retain the same in position at the respective ends of the main stem section. These end disks are formed with centrally disposed hollow bosses 14 which extend toward and terminate in spaced relation to the respective tubular extensions 5 and 9 and which are prevented from having direct communication with the same by means of baffle plates 15 supported between the respective bosses and tubular extensions by means of arms 16 that are rigidly secured to the latter, as shown. The main stem section is formed with circular series of longitudinal openings 17 extending entirely throughout the length thereof, and one of which is connected by a centrally disposed port 18 to the hollow boss 14 that is nearer to the bowl 1 of the pipe, the main stem section being formed in its ends with grooves 19 that coöperate with the respective end plates to establish communication between the respective openings, in such a manner as to form a continuous smoke passage and render it necessary for the smoke to circulate through the entire series of openings, after which it is conducted by means of a centrally disposed port 20 to the other hollow boss 14 and is permitted to escape therefrom into the mouthpiece.

In the practical use of my improved pipe, it will be evident that when suction is applied to the mouthpiece, the smoke will be drawn through the smoke passage 3 and the tubular extension 5, and will then pass around the adjacent baffle plate 15 into the corresponding hollow boss 14, the nicotin contained in the smoke being of greater

specific gravity than the same, and being thus retained in the nicotin chamber 4. From the tubular boss 14, the smoke circulates through the entire series of longitudinal openings 17 and is manifestly cooled, so as to effectually induce the separation from the smoke, of any nicotin possibly remaining therein, so that when the smoke passes through the port 20 and escapes from the corresponding tubular boss, such nicotin will be caught in the second nicotin chamber 8, while the cooled and pure smoke passes around the baffle plate and through the tubular extension 9 and the smoke passage 7 into the mouth of the smoker.

In one modification of my invention, the main stem section 12 is attached to connecting members 21 that are formed in their adjacent ends with nicotin chambers, and in such nicotin chambers with the before described tubular extensions, the other ends of such connecting members being preferably threaded and arranged to be received in and engaged with the bowl and mouthpiece of the pipe respectively.

From the above description, in connection with the accompanying drawing, it will be apparent that I have provided a simple, durable and efficient construction of pipe which will afford the smoker a comparatively pure and cool smoke and will render smoking otherwise particularly pleasant and attractive, in which the various parts of the pipe may be readily separated to be thoroughly cleaned in order to prevent the pipe from becoming strong, and which may be easily and cheaply manufactured, so as to be placed upon the market at a price not too great to prevent its general adoption. In effect, my improved stem construction is a long pipe stem arranged in a compact form for convenience, and constituting a tortuous smoke passage for purposes hereinbefore particularly described.

Having thus described the invention, what I claim is:

As a new article of manufacture, a tobacco pipe of the character described, comprising a bowl provided with a shank formed at one end with a nicotin chamber and having a smoke passage leading thereto from the bowl, a mouthpiece formed at one end with a nicotin chamber and having a smoke passage leading therefrom, the shank and the mouthpiece being formed within the respective nicotin chambers with longitudinal tubular extensions that afford continuations of the smoke passages, an interposed main stem section detachably connected to the shank and the mouthpiece and formed with a circular series of openings extending longitudinally therethrough, end disks 13 arranged with their marginal portions interposed between the main stem section and the adjacent ends of the shank and mouthpiece and held thereby against the opposite ends of the main stem section and formed with centrally disposed hollow bosses located within the nicotin chambers and extending toward and terminating in spaced relation to the corresponding tubular extensions, the main stem section being formed at its ends with grooves extending between alternate pairs of said openings and acting in conjunction with the end disks to connect the openings in series and form a continuous smoke passage, the main stem section being also formed with centrally disposed ports establishing communication between the ends of the continuous smoke passage and the respective hollow bosses, and baffle plates 15 supported within the nicotin chambers in spaced relation to the tubular extensions and hollow bosses and formed with a plurality of arms 16 fitting upon the latter and rigidly secured thereto, as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

FRED. REGENOLD. [L. S.]

Witnesses:
J. D. ALLEN,
GEO. W. GRAVES.