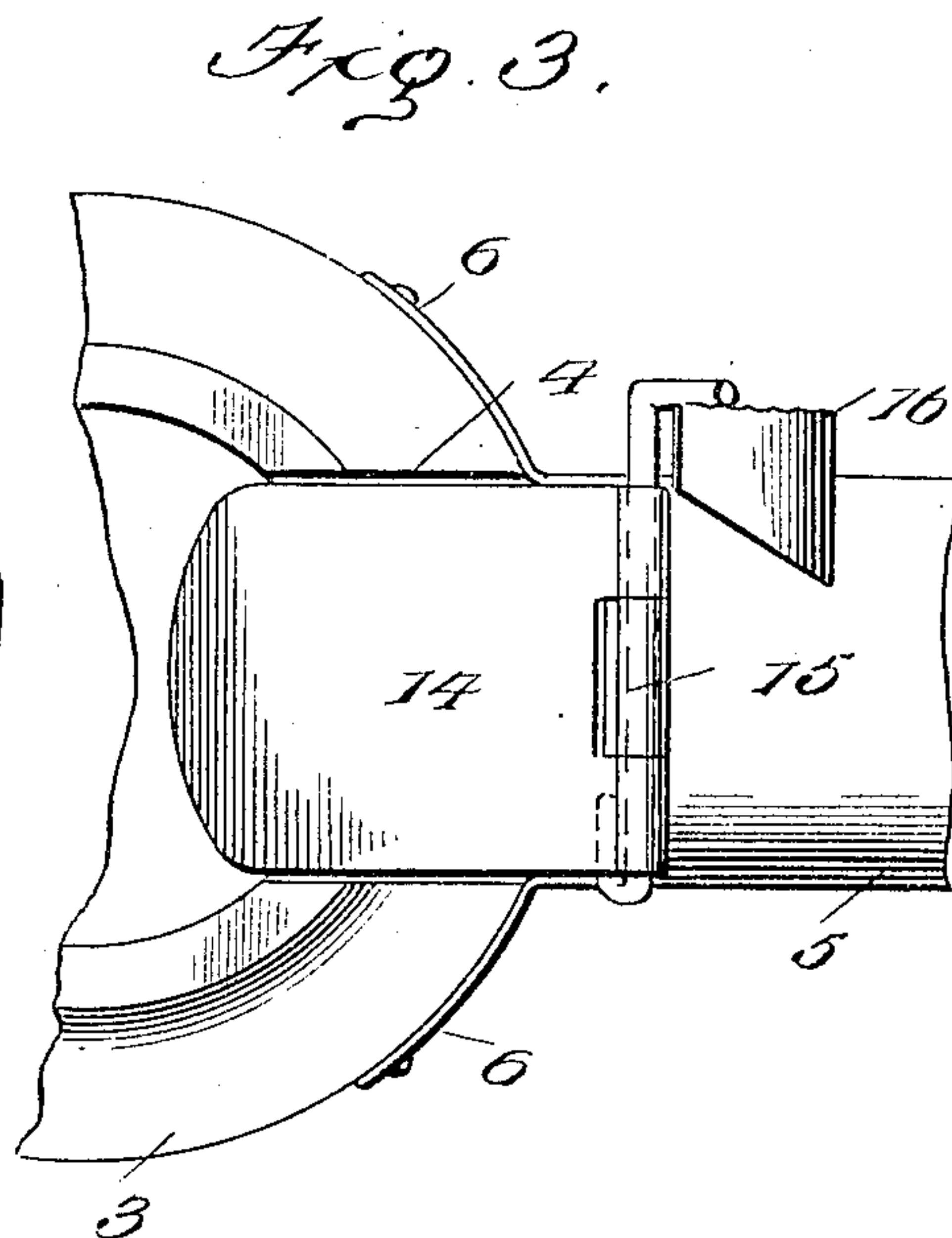
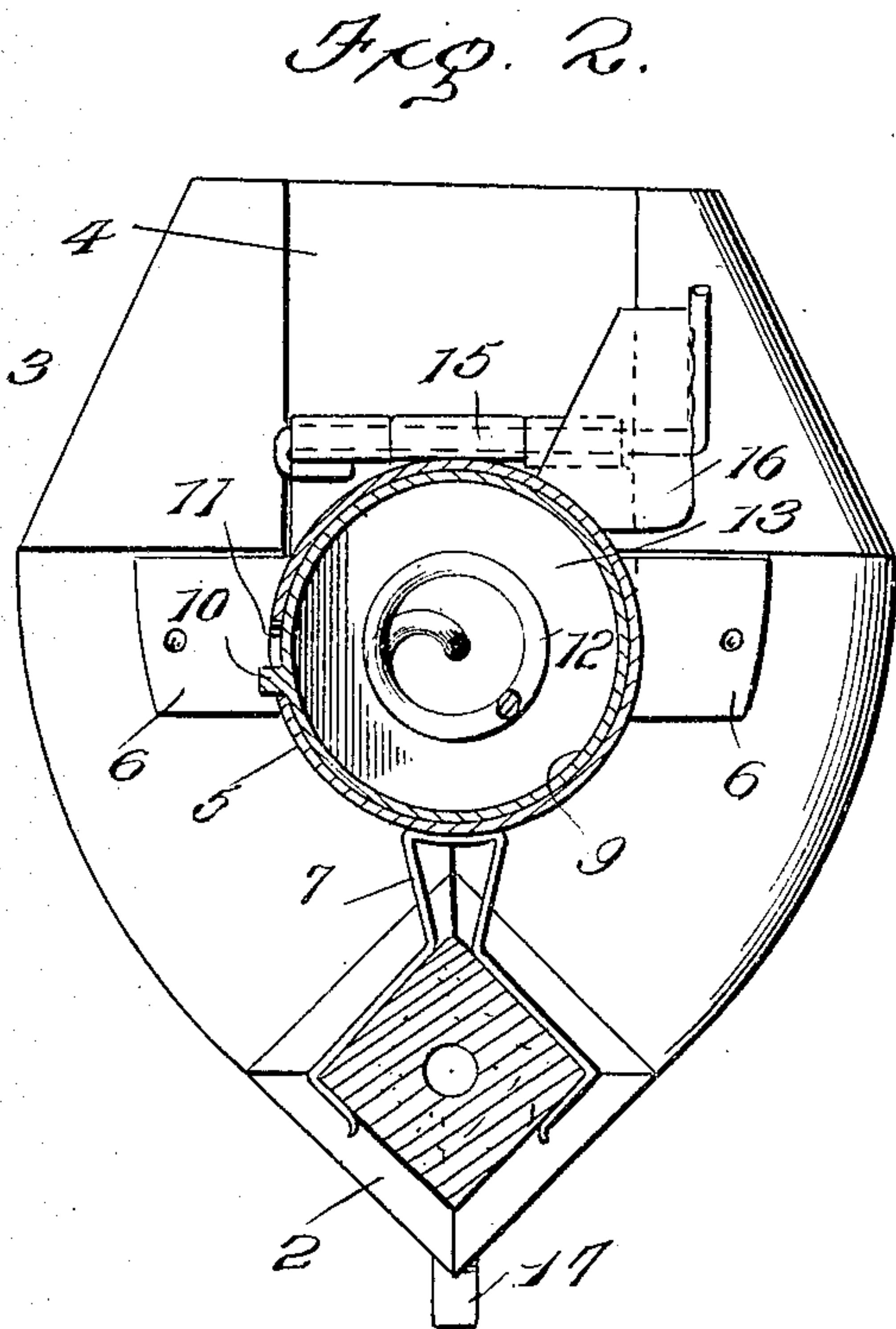
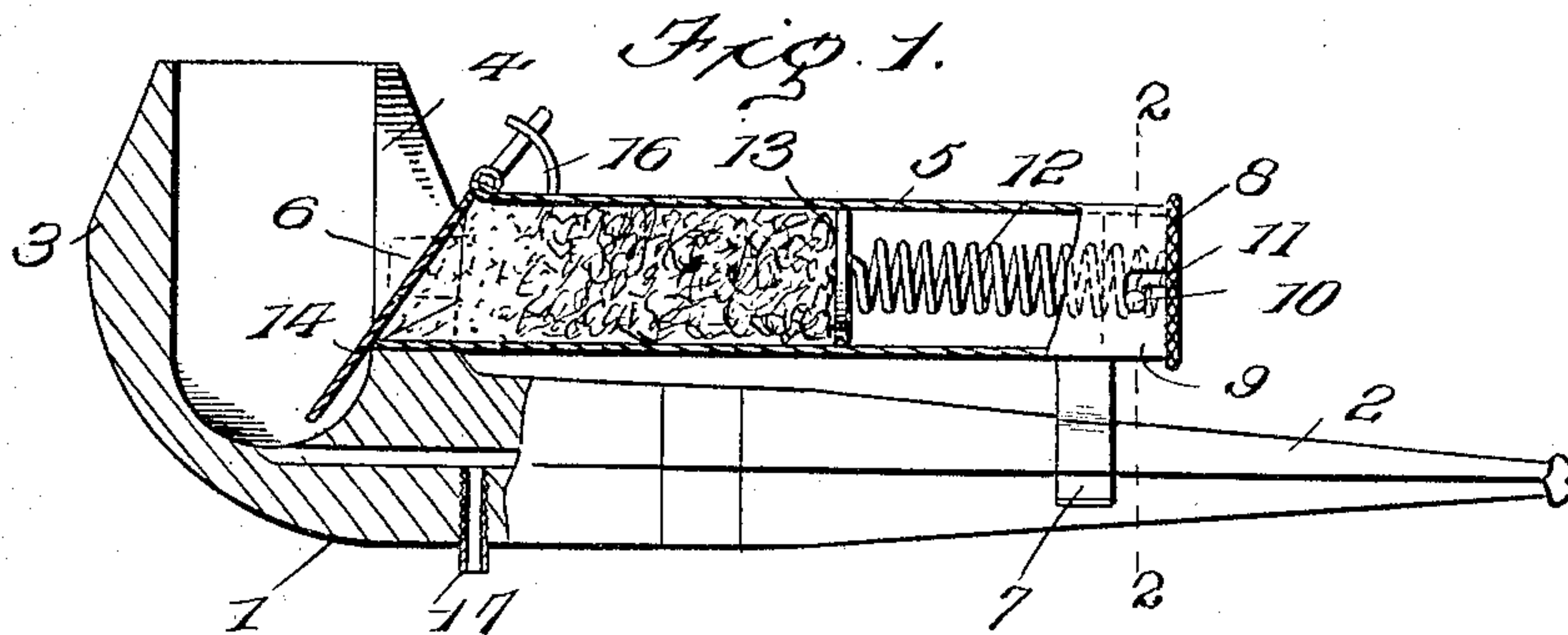


C. A. ALLEN.
MAGAZINE TOBACCO PIPE.
APPLICATION FILED JULY 27, 1908.

919,515.

Patented Apr. 27, 1909.



Witnesses

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MAGAZINE TOBACCO-PIPE.

No. 919,515.

Specification of Letters Patent.

Patented April 27, 1909.

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To all whom it may concern:

Be it known that I, CHARLES A. ALLEN, a citizen of the United States, residing at Croswell, in the county of Sanilac and State of Michigan, have invented certain new and useful Improvements in Magazine Tobacco-Pipes, of which the following is a specification.

It is well known that persons who have acquired the habit of frequent or continual smoking and enjoy a pipe, but are not usually satisfied with smoking one pipeful of tobacco, often experience considerable annoyance and inconvenience when at work or otherwise engaged, particularly upon outdoor work, because of the interruptions necessary for refilling and relighting the pipe in order to continue their smoke.

The object of this invention is an improved pipe which embodies a peculiar magazine construction that is arranged to carry an extra supply of tobacco and to automatically feed the same into the pipe bowl to compensate for the consumption of the tobacco therein, thus obviating the disadvantages above noted and greatly facilitating the smoking, said magazine being susceptible of application to pipes of different constructions, with only a slight modification in the form of the same, and being arranged to render a pipe equipped therewith considerably more attractive to smokers than the ordinary pipes now in use.

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 claims.

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 equipped with the improvements of my invention; Fig. 2 is an enlarged transverse section thereof on the line 2—2 of Fig. 1; and, Fig. 3 is an enlarged top plan view of the forward end of the magazine.

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.

Referring to the drawing, the numeral 1 designates a pipe that may be of the usual or any desired construction or design with one exception which will be hereinafter stated, and which may embody any desired improvements for arresting the flow of nicotine into the mouth of the smoker, or for preventing the nicotine from accumulating in the pipe bowl, as such improvements, generally speaking, will in no wise affect the operation and practice of my invention. However, for the sake of perspicuity, I have, in the present instance, shown the improvements of my invention applied to an ordinary pipe consisting of a substantially straight stem 2 and a bowl 3 carried at the forward end of the stem and of the usual construction, except that it is formed in its wall, at the rear portion of the same, with a recess or opening 4 extending therethrough, as shown.

5 designates a longitudinally disposed magazine tube which is designed to carry an extra supply of tobacco and is mounted upon the pipe stem with its forward end in registry with the recess 4, and which is formed at such forward end with oppositely disposed arms 6 that are secured to the pipe bowl on opposite sides of the recess, and act in conjunction with a depending clip 7 embracing the stem 2, to rigidly sustain the magazine in position. The rear end of the magazine is designed to be closed by a cap 8 formed with a forwardly disposed annular flange 9 that is adapted to telescope with the magazine tube, as shown, and that is formed with an outstanding lug 10 susceptible of being engaged with an angular slot or channel 11 leading from the rear edge of the magazine, in order to secure the cap in position and at the same time permit its ready detachment to effect the filling or charging of the magazine. A suitable coil spring 12 is secured at one end to the cap 8 and is mounted within the magazine tube and arranged to operate a follower 13 which is forced against the tobacco therein to push the same through the magazine tube and the recess 4 and introduce the tobacco into the pipe bowl as it is required, to effect the automatic "stoking" or feeding thereof.

In the preferred construction of my improved device, I employ a door 14 which is secured to the forward end of the magazine tube, preferably near the outer edge of the same, by a hinge connection in which the hinge pin 15 is arranged to serve a dual func-

tion and for that purpose is rigidly secured at one end to the door and has its other end angularly disposed, as shown, and susceptible of engagement with the teeth of a segment 16 to support the door in different adjusted positions, to wit: in an upwardly inclined position to constitute a wind shield; and in a lowered position to extend across the mouth of the magazine tube and prevent the introduction of tobacco therefrom into the pipe bowl, as may be required when cleaning the pipe bowl or carrying the pipe in a pocket.

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 tobacco pipe that is susceptible of automatically "stoking" the pipe bowl to afford the smoker an uninterrupted smoke and greatly increase the capacity of a pipe, which consists of comparatively few parts that may be readily assembled, 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 the present instance, the stem 2 is provided near its junction with the bowl of the pipe, with a downwardly disposed port 17 which leads from the smoke passage to prevent the entrance of saliva into the pipe bowl, and to constitute an outlet for any nicotine drawn through the smoke passage with the smoke.

Having thus described the invention, what I claim is:

1. The combination with a tobacco pipe embodying a bowl, of a magazine tube designed to carry an extra supply of tobacco and arranged for communication at one end with the bowl, means for automatically feed-

ing the tobacco from the magazine into the bowl, and means for closing the said end of the magazine.

2. The combination with a tobacco pipe having a stem and a bowl formed in its wall with a recess extending therethrough, of a hollow magazine designed to carry an extra supply of tobacco and secured to the pipe with one end in communication with the recess, means for automatically feeding the tobacco from the magazine into the bowl, and a door pivotally secured to the magazine at said end thereof and adapted to be held in a position to close the mouth of the magazine, as and for the purpose specified.

3. The combination with a tobacco pipe embodying a bowl, of a magazine tube designed to carry an extra supply of tobacco and arranged for communication at one end with the bowl, means for automatically feeding the tobacco from the magazine into the bowl, a door carried at said end of the magazine, and means for maintaining the door in different adjusted positions.

4. As a new article of manufacture, a pipe attachment of the character described, comprising a magazine tube for tobacco, closed at one end and provided near such end with an attaching clip, the other end of the magazine being open and designed for communication with the pipe bowl, means for automatically discharging tobacco from the magazine, and means carried at the open end of the magazine for closing the same.

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

CHARLES A. ALLEN. [L. s.]

Witnesses:

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