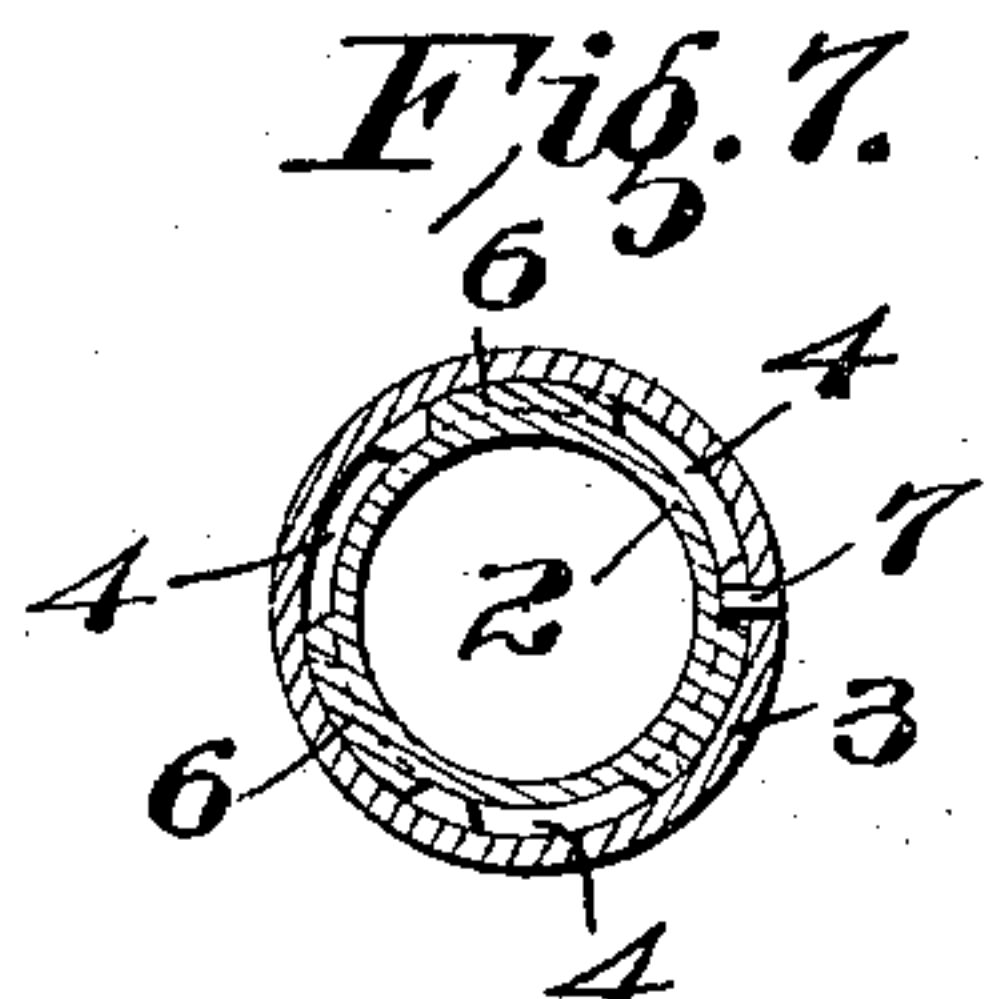
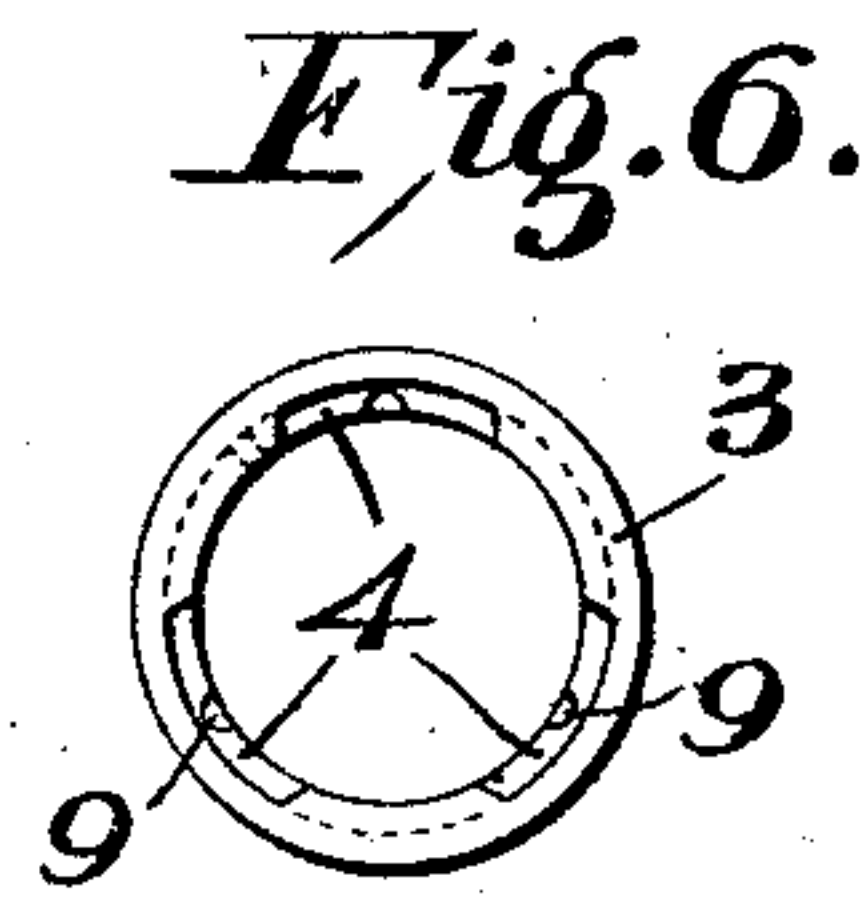
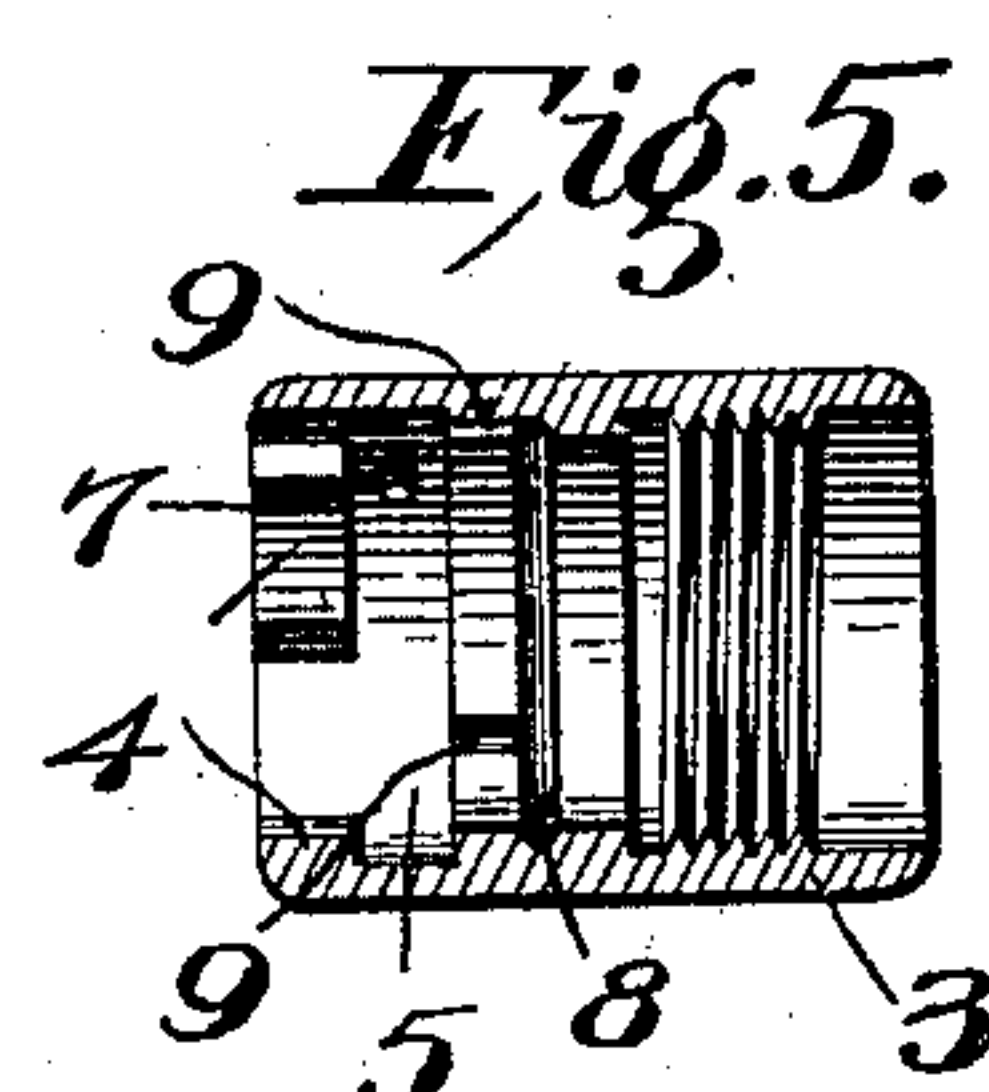
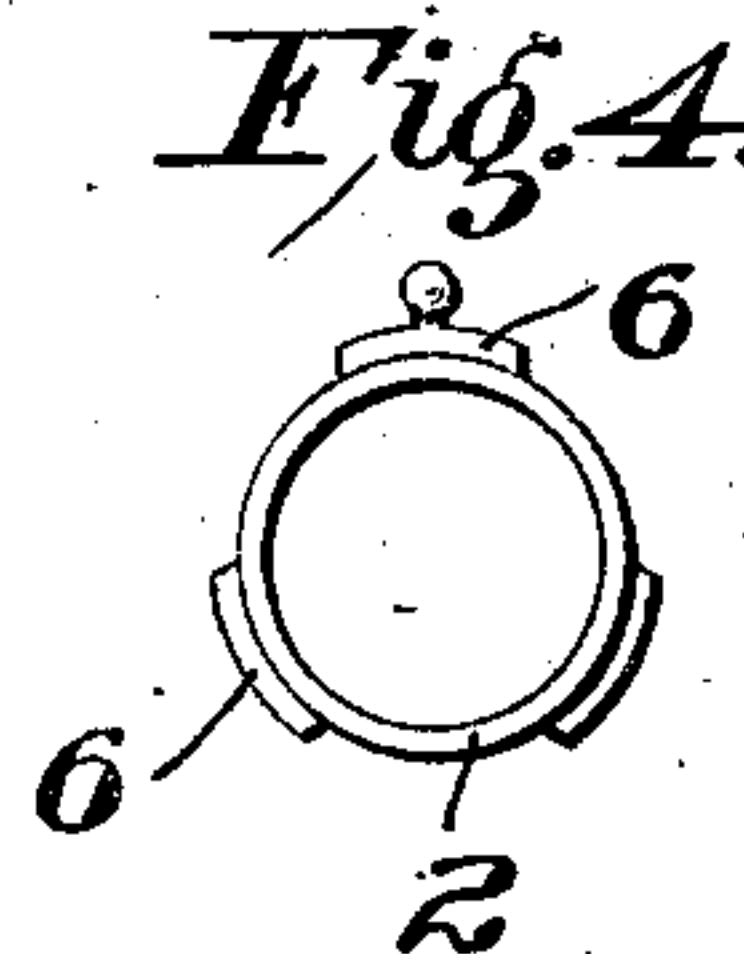
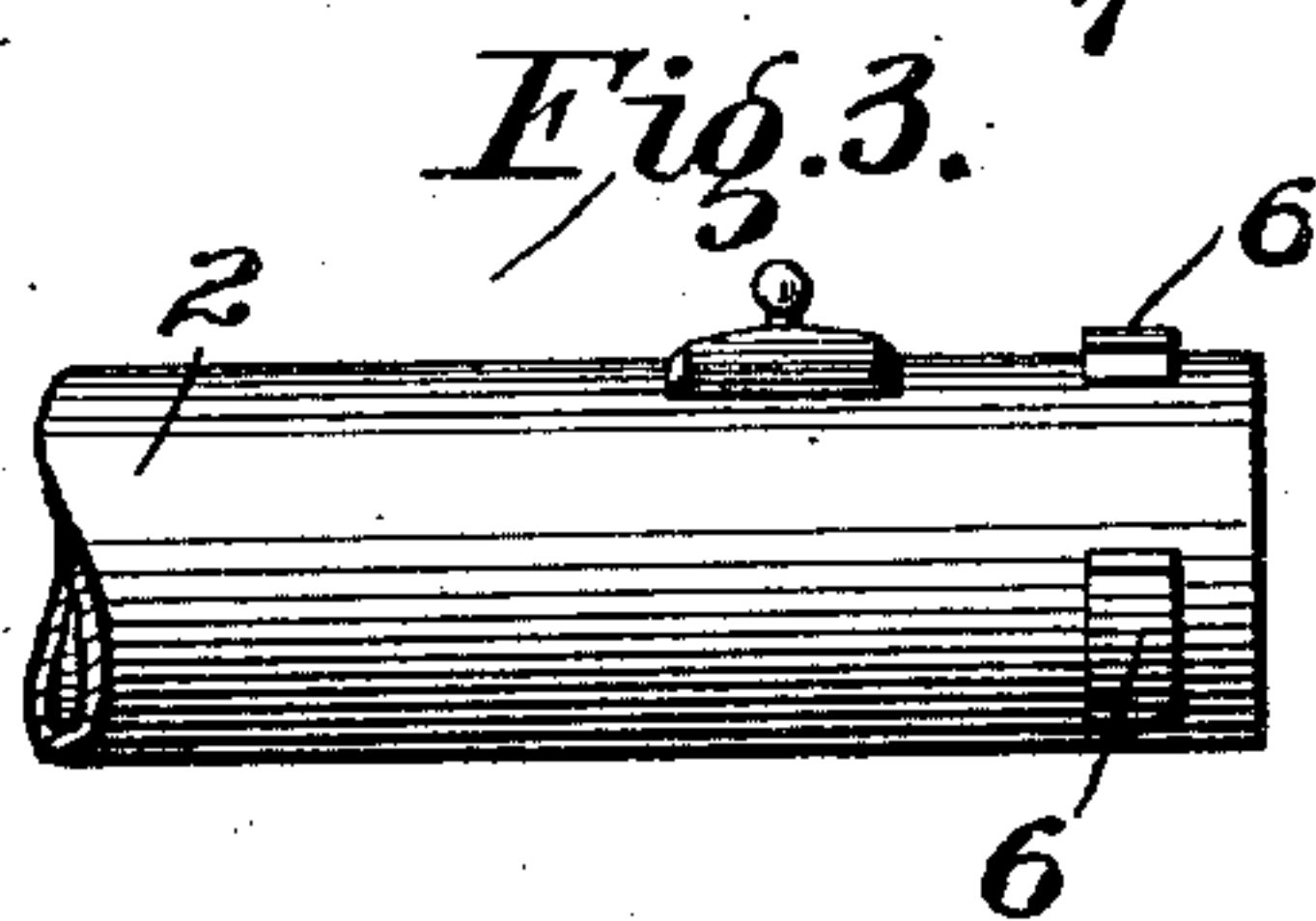
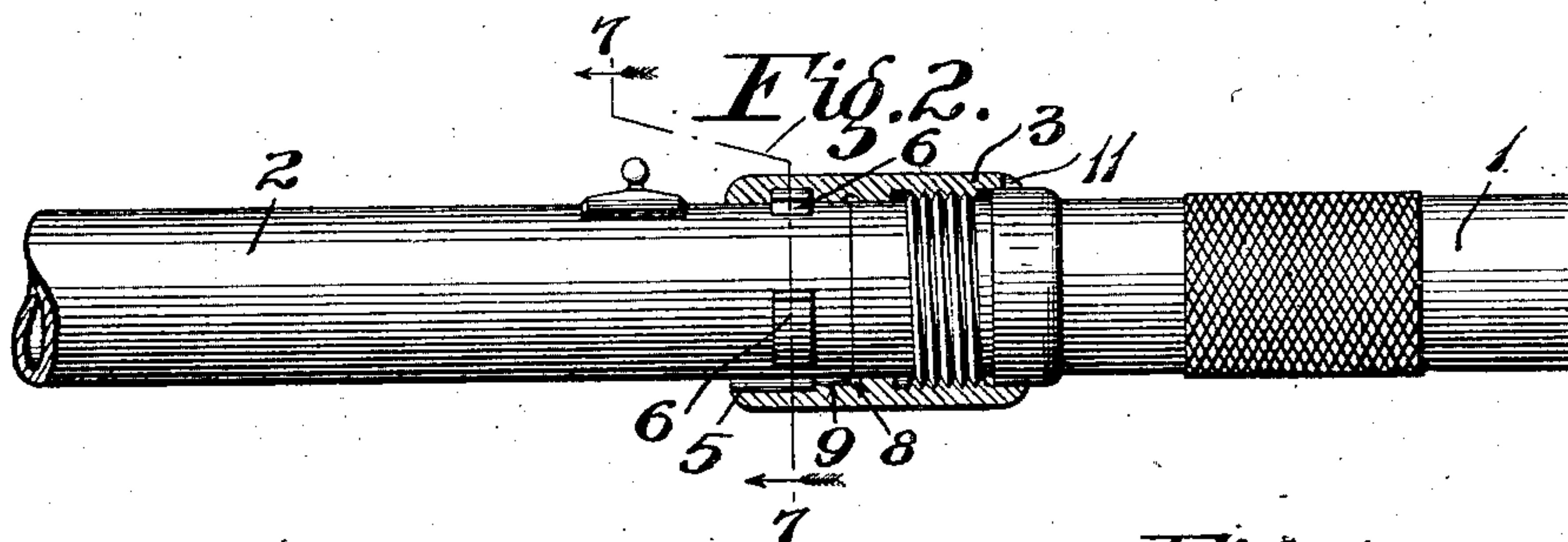
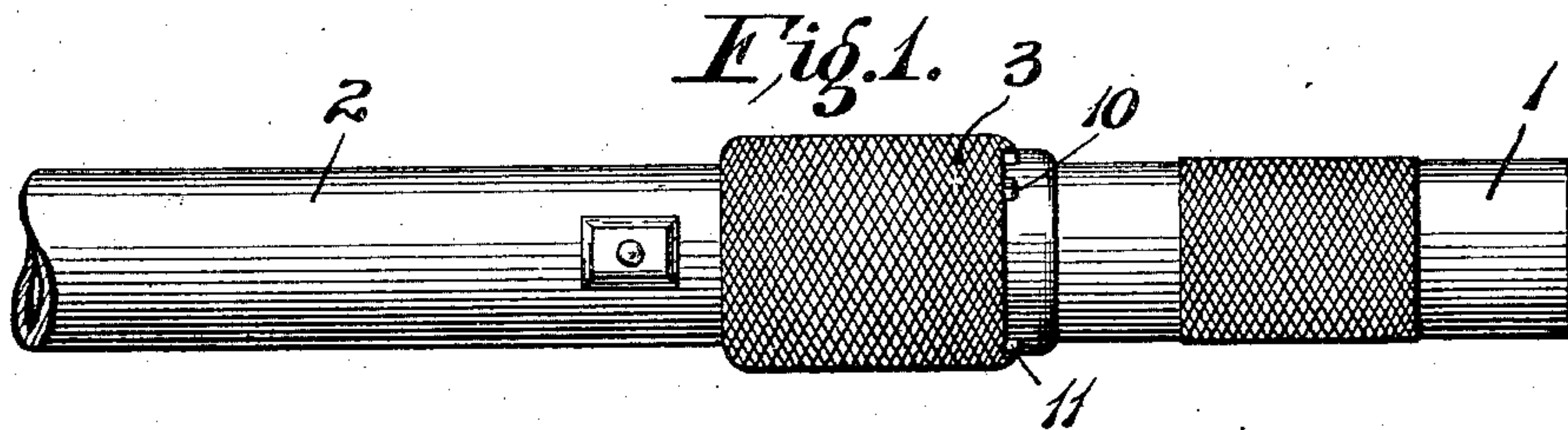


O. E. MICHAUD.  
ATTACHMENT FOR SHOTGUNS.  
APPLICATION FILED AUG. 12, 1909.

968,583.

Patented Aug. 30, 1910.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

ONESIME E. MICHAUD, OF ST. LOUIS, MISSOURI.

ATTACHMENT FOR SHOTGUNS.

968,583.

Specification of Letters Patent.

Patented Aug. 30, 1910.

Application filed August 12, 1909. Serial No. 512,478.

*To all whom it may concern:*

Be it known that I, ONESIME E. MICHAUD, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Attachments for Shotguns, of which the following is a specification.

My invention relates to an attachment for shotguns and has for its principal objects to facilitate the attachment of a removable choke muzzle, to lock the same rigidly in place, and to provide for the escape of gas which may penetrate the joint between the barrel and the choke muzzle.

The invention consists in the parts and in the arrangements and combinations of parts hereinafter described and claimed.

In the accompanying drawing which forms part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a plan view of my device attached to a gun barrel; Fig. 2 is a side elevation of my device applied to a gun barrel, the coupling member being shown in longitudinal section; Figs. 3 and 4 are detail views of the end piece of a gun barrel adapted for coöperation with my attachment, Fig. 3 being a side elevation and Fig. 4 being an end elevation; Fig. 5 is a longitudinal sectional view of the coupling member; Fig. 6 is an end elevation of the coupling member; and Fig. 7 is a cross section of a coupling member and the gun barrel on the line 7—7 of Fig. 2.

The principal element of my device is a short tubular section 1 having a choke bore and adapted to be mounted rigidly against the muzzle end of the gun barrel 2. The outer surface of the rear portion of this choke section is screw-threaded to work in the internally threaded end of a tubular coupling member 3. The rear end of this coupling member has a series of longitudinal slots 4 formed in its inner surface, which slots terminate in an annular groove or channel 5. Mounted on the barrel of the gun near the front end thereof is a peripheral series of outwardly projecting lugs 6 which are the counterpart, in size and spacing, of the longitudinal slots in said coupling member and which are adapted to fit in the annular recess thereof. This arrangement constitutes in effect a series of bayonet joints, whereby the coupling member may be firmly locked on the end of the gun barrel. In order to insure the proper positioning of

the coupling member, a lug or pin 7 is mounted in its annular groove, in position to constitute a stop for the lug on the gun barrel and thereby prevent excessive turning.

As gas is liable to enter the joint between the gun barrel and the choke section, it is desirable to provide for the escape of such gas. For this purpose, an annular groove 8 is formed in the inner surface of the tubular coupling in position to register with said joint, and slots or passageways 9 are arranged to connect said groove with the atmosphere. In the arrangement illustrated in the drawing, these escape passageways 9 open into the longitudinal slots of the bayonet joint.

As there is need for only a little movement of the choke section relative to the coupling member, it is desirable to permanently connect them so that they may be handled as a unit. For this purpose, a pin 10 is mounted on the choke section in position to move in an elongated transversely arranged slot or recess 11 provided therefor in the coupling member.

In assembling the parts, the coupling piece is brought into alinement with the gun barrel with its longitudinal slots registering with the lugs on the gun barrel; and then the coupling piece is moved longitudinally until its lugs enter the annular groove or channel, and then the coupling piece is turned until one of the lugs bears against the limiting stop or pin provided therefor. The choke muzzle is then turned until its rear end jams squarely against the front end of the gun barrel, which position is indicated by the pin 10. In removing the attachment, it is desirable to have the coupling turn with the choke muzzle. If the coupling does not turn with the choke section sooner, it will begin to turn as soon as the pin on the choke section bears against the end of the slot or recess in the coupling member so that the attachment can be removed without changing the grip on the choke section.

What I claim is:

1. The combination with a gun barrel having a series of lugs near its front end of a choke section abutting against the front end thereof and a coupling, said coupling having a series of slots adapted to interlock with said lugs and the opposite end of said coupling being screw-threaded to coöperate with the screw-threaded rear end of said choke

muzzle, said coupling member having a recess opposite the joint between said barrel and said choke section, which recess has communication with the atmosphere.

- 5 2. The combination with a gun barrel having a series of lugs near its front end of a choke muzzle adapted to abut against the end thereof and a coupling, said coupling having a series of slots adapted to interlock  
10 with said lugs and having a screw-thread

adapted to cooperate with a screw-thread on said choke muzzle, said coupling also having a transverse recess and said choke section having a pin adapted to move therein.

Signed at St. Louis, Missouri, this 10th 15 day of August, 1909.

ONESIME E. MICHAUD.

Witnesses:

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