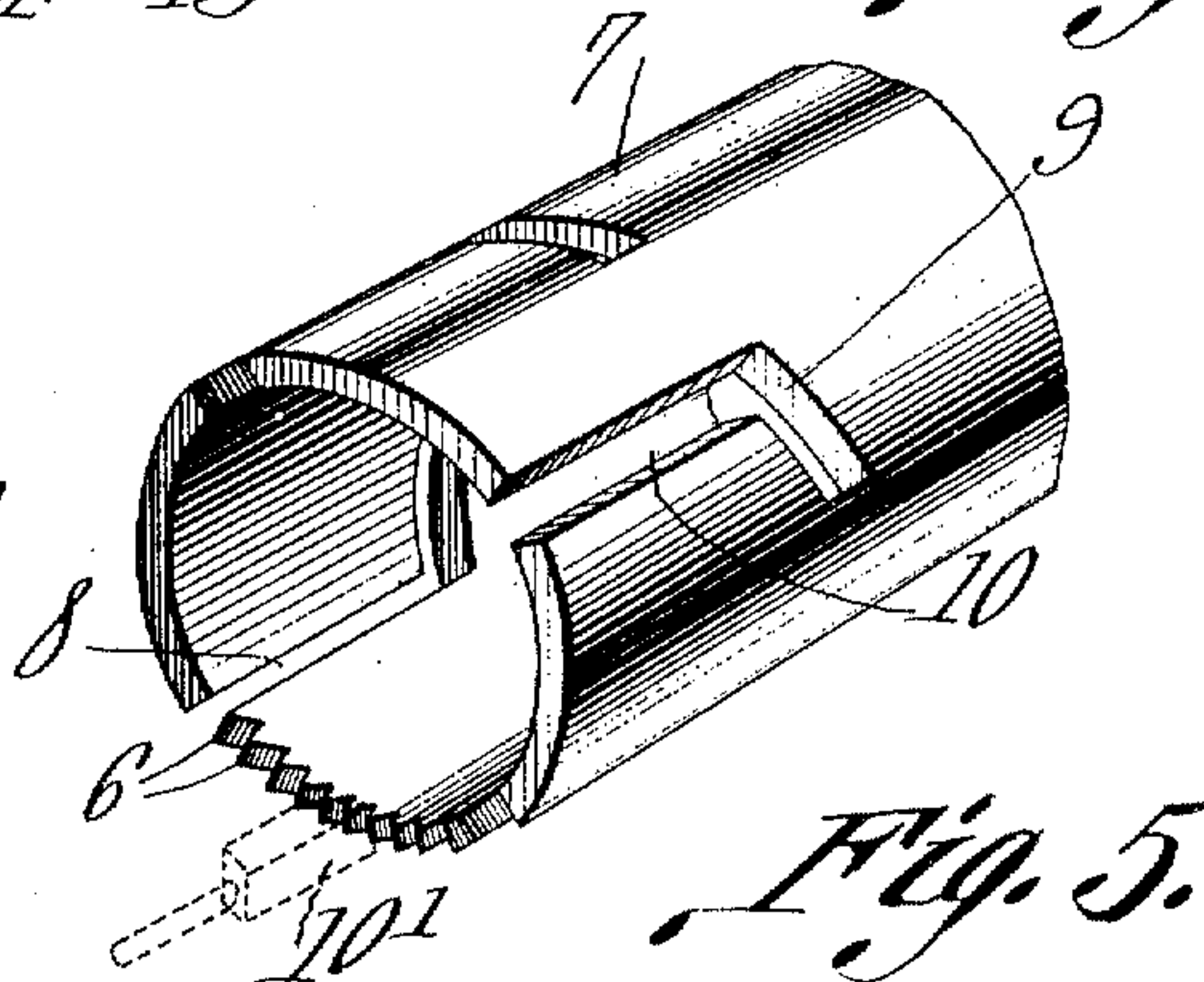
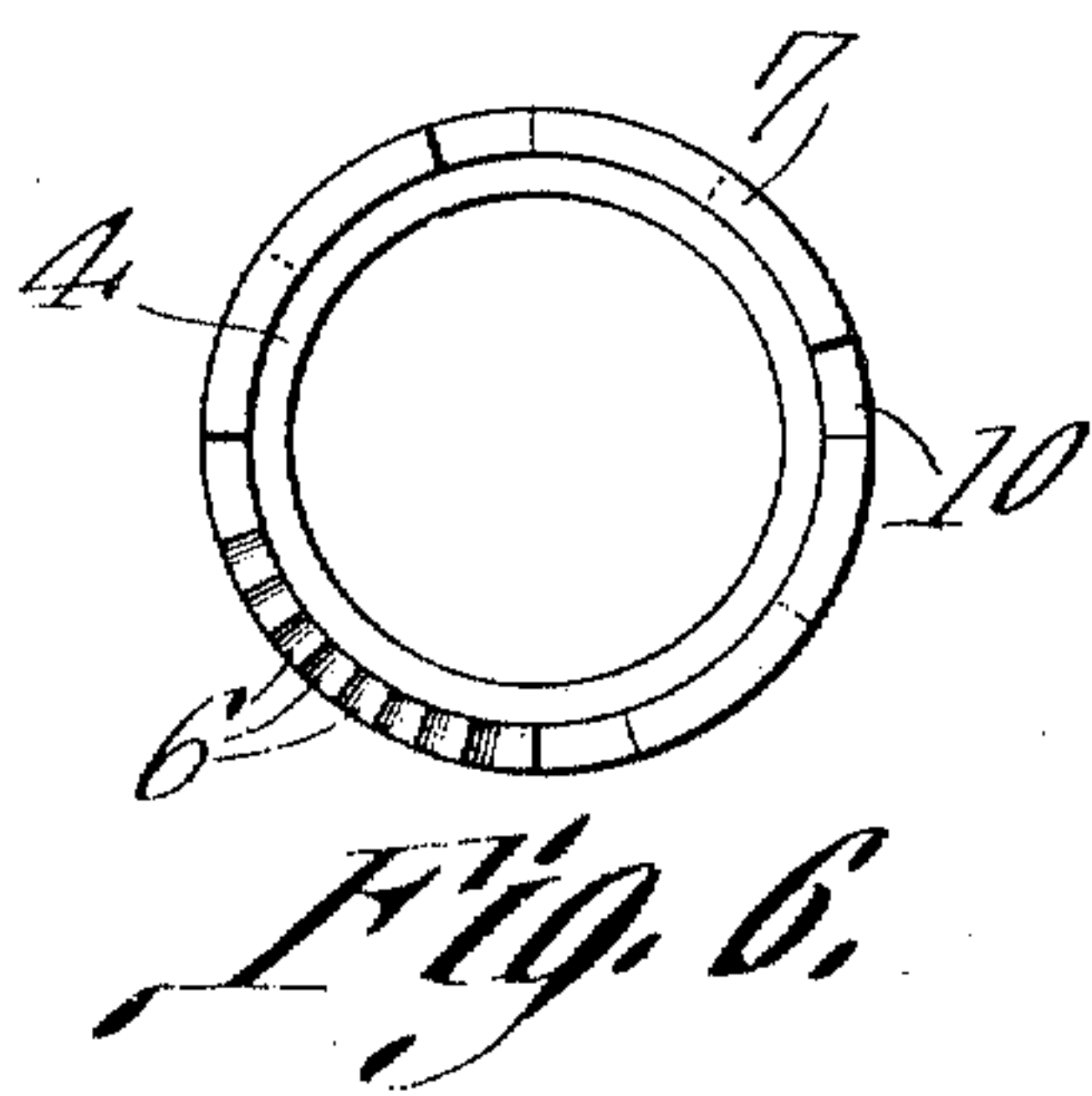
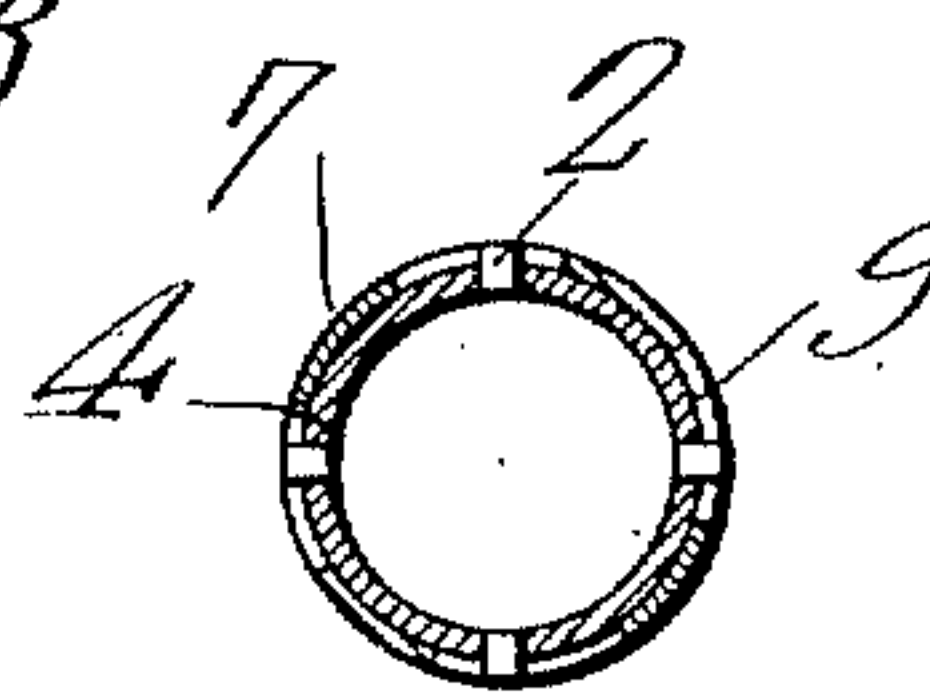
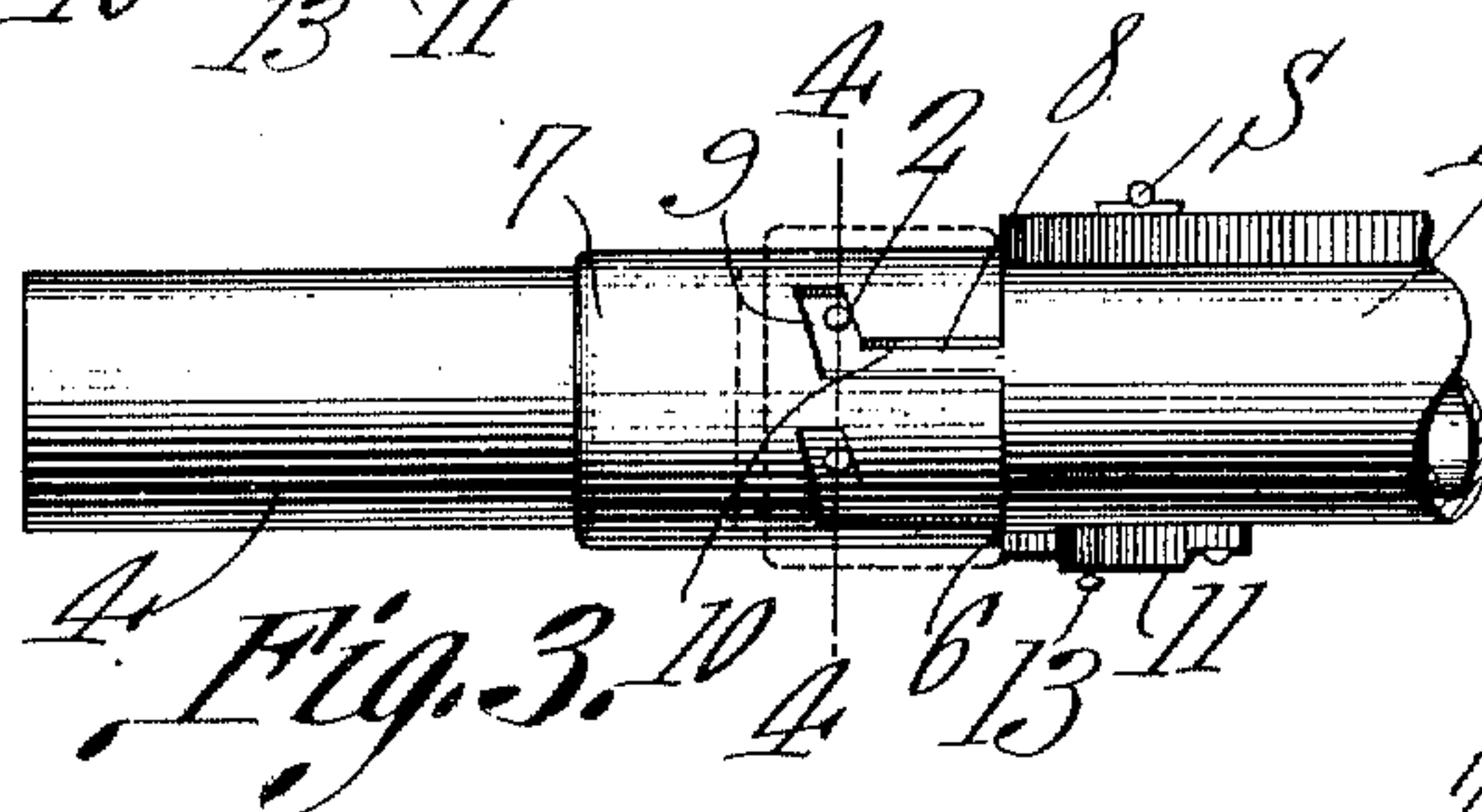
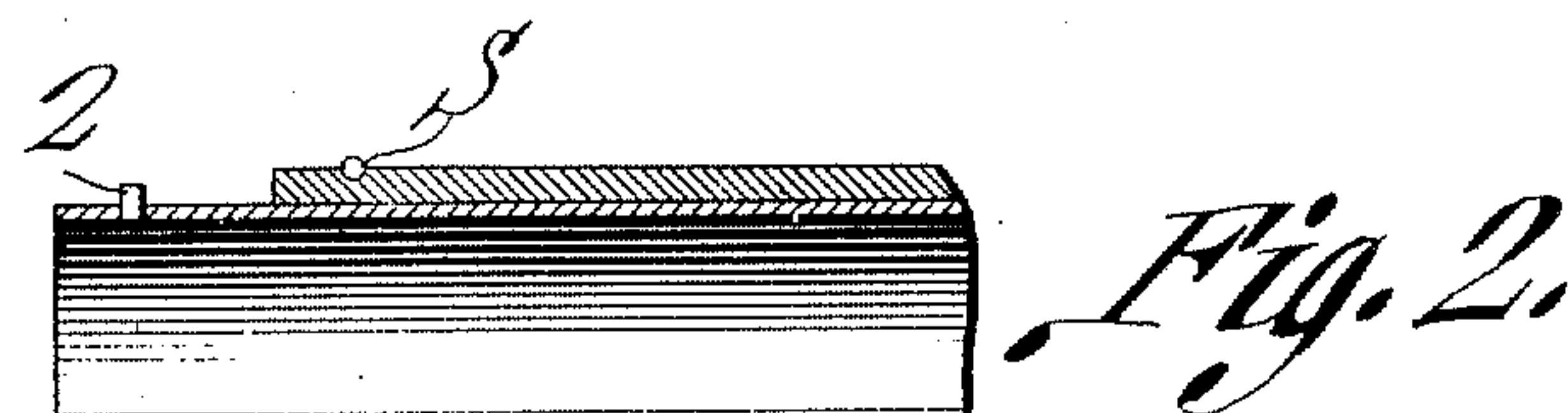
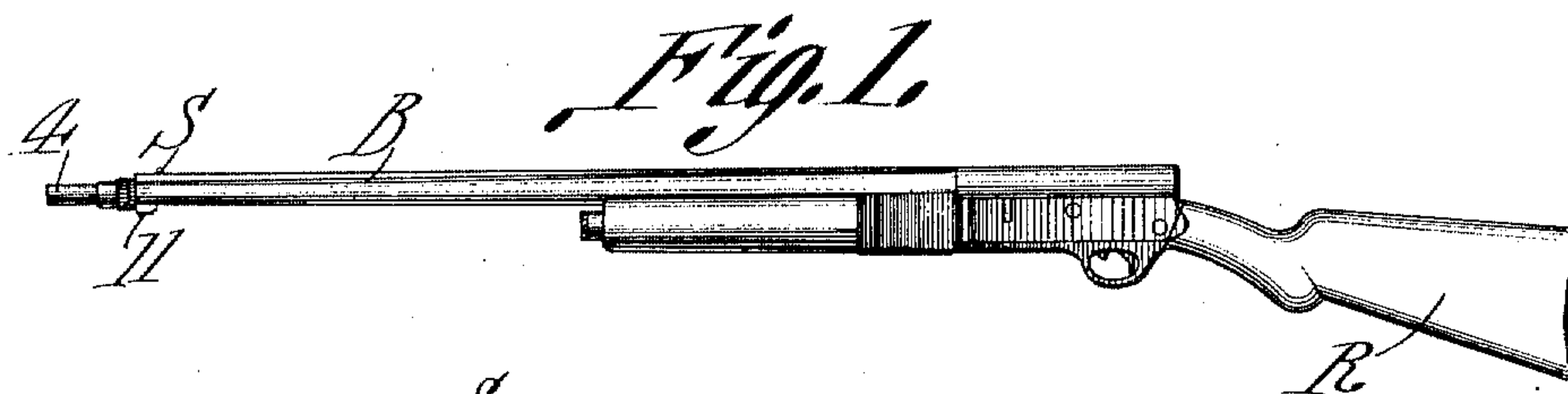


J. O. VAN VOORHIS.
FIREARM.
APPLICATION FILED JAN. 9, 1911.

985,308.

Patented Feb. 28, 1911.



Witnesses
J. P. Tomlin
A. L. Colamer

J. O. Van Voorhis, Inventor
by *C. A. Snow & Co.* Attorneys

UNITED STATES PATENT OFFICE.

JESSE OWEN VAN VOORHIS, OF OSAWATOMIE, KANSAS.

FIREARM.

985,308.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed January 9, 1911. Serial No. 601,686.

To all whom it may concern:

Be it known that I, JESSE OWEN VAN VOORHIS, a citizen of the United States, residing at Osawatomie, in the county of Miami and State of Kansas, have invented new and useful Firearms, of which the following is a specification.

This invention relates to fire arms, and more especially to the barrels thereof; and the object of the same is to provide a detachable choke-piece for connection with the discharge end of the barrel by improved means.

To this end the invention consists in the specific form of the choke-piece and its means for connection to the barrel, all as hereinafter more fully described and claimed and as shown in the drawings wherein—

Figure 1 is a side elevation of a shot gun with my improved choke-piece attached. Fig. 2 is a vertical longitudinal section through the barrel of the shot gun without the choke-piece. Fig. 3 is a plan view of the choke-piece attached. Fig. 4 is a section of the line 4—4 of Fig. 3. Fig. 5 is an enlarged perspective view of the inner end of the choke-piece, and Fig. 6 is an end elevation thereof.

Referring to the drawings, the letter R designates a shot gun having a barrel B and sights S as usual, and forming no part of the present invention. This gun is by preference made with a rather short barrel for use at short range, and the choke-piece forming the subject matter of the present invention is in reality an extension of said barrel adapted for attachment thereto by improved means which I will now describe.

The numeral 4 designates a short section of the barrel, made by preference of the same material and conforming therewith exteriorly and interiorly, and secured to and around the inner end of this section and extending beyond the end thereof (see dotted lines in Fig. 3) is a sleeve 7 whose walls are provided with a number (four are here shown) of bayonet slots 8 having their inner arms 9 set a little oblique to the outer arms 10.

Projecting from the barrel B at points beyond the front sight S are studs 2 disposed

all in one plane and separated from each other to correspond with the disposition and number of the several bayonet slots 8 as best seen in Fig. 4, and hence the choke-piece can be slipped on the end of the barrel B so that the long arms 10 of the bayonet slots pass over the studs and then turned slightly so that the studs pass into the short arms 9 of said slots and bind the inner end of the extension barrel 4 against the outer end of the main barrel. In order to prevent the choke-piece as thus attached from becoming detached from the barrel of the shot gun, either accidentally or during the use thereof, I provide ratchet teeth 6 in the inner end of the sleeve 7 as best seen in Fig. 5, and mount upon one side of the main barrel B (preferably its bottom) a spring-actuated catch best seen in Fig. 2 and which consists of a tongue 10' mounted in a housing 11 and pressed normally forward by a spring 12. Hence when the choke-piece is applied as above described, and slightly rotated so as to bring the studs into the inner arms 9 of the bayonet slots, the ratchet teeth 6 slip over the beveled front end of the tongue 10' of the catch and latch the parts in position to prevent a retrograde movement which might permit the choke-piece to become dislodged. Moreover, the oblique disposition of the inner arms 9 of the bayonet slots causes this slight rotation of the choke-piece to close up the joint between it and the end of the barrel. The catch can be retracted by hand by the knob 13 provided for that purpose; and obviously when it is retracted, the choke-piece can be rotated in a reverse direction to disconnect it from the barrel when the shot gun is to be used for short range.

What is claimed is:

In a choke-piece for gun barrels, the combination with a barrel having a series of studs projecting radially from it near its front end, and a spring pressed catch carried by the barrel; of a choke-piece consisting of an extension of said barrel, a sleeve secured around and projecting beyond its inner end and provided with a series of bayonet slots corresponding in number and

disposition with said studs and having their inner arms disposed oblique to a plane transverse through the sleeve, and ratchet teeth on the inner end of said sleeve adapted to
5 detachably engage said catch and take up lost motion.

In testimony that I claim the foregoing

as my own, I have hereto affixed my signature in the presence of two witnesses.

JESSE OWEN VAN VOORHIS.

Witnesses:

L. W. GRANT,

EDGAR CAMPBELL.