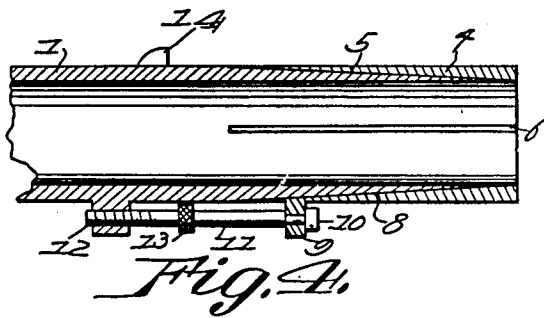
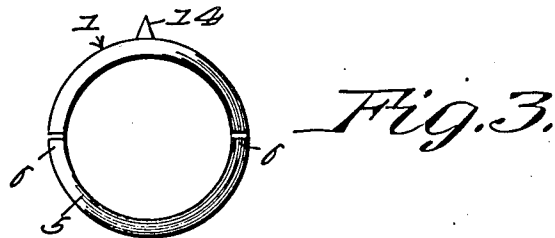
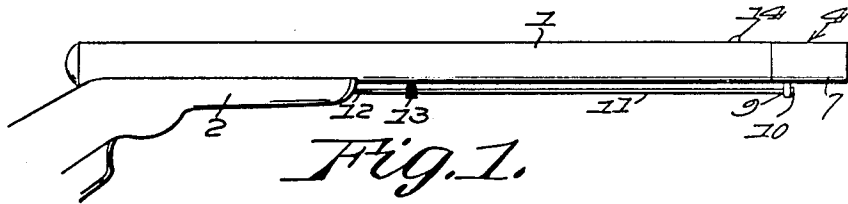


F. X. SCHUSTER.
CHOKE ATTACHMENT FOR SHOTGUNS.
APPLICATION FILED DEC. 19, 1918.

1,348,750.

Patented Aug. 3, 1920.



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FRANCIS XAVIER SCHUSTER, OF RABER, MICHIGAN.

CHOKE ATTACHMENT FOR SHOTGUNS.

1,348,750.

Specification of Letters Patent.

Patented Aug. 3, 1920.

Application filed December 19, 1918. Serial No. 267,523.

To all whom it may concern:

Be it known that I, FRANCIS XAVIER SCHUSTER, a citizen of the United States, residing at Raber, in the county of Chippewa and State of Michigan, have invented new and useful Improvements in Choke Attachments for Shotguns, of which the following is a specification.

This invention has reference generally to improvements in that class of inventions known as fire arms, and more particularly relates to a choke attachment for shot guns.

It is the primary aim and object of the present invention to provide a device of the above mentioned character designed to be attached to the outer end of a barrel of a shot gun and adjusted so as to adapt the shot gun to different ranges when the same is being used, enabling the user to quickly and conveniently vary the range of the gun, when desired.

It is an equally important object of the present invention to provide a device of the above mentioned character wherein the outer end of the barrel is designed so that the bore thereof will be varied upon the adjustment of the choke, in the present instance in the form of a sleeve.

More particularly this invention contemplates the provision of a device of the above mentioned character wherein both the bore of the barrel and the bore of the choke are bored when the choke is arranged in its innermost and outermost positions for assuring of the proper directing of the shot on the firing of the gun.

It is an additional object of this invention to provide a device of the above mentioned character which is simple in construction, thoroughly reliable and efficient in its purpose and inexpensive in manufacture.

Other objects will be in part obvious and in part hereinafter set forth.

The invention accordingly consists in the features of construction, the combination of elements and the arrangement of parts, which will be exemplified in the construction hereinafter described and the scope of the application of which will be indicated in the appended claim.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of the invention.

Fig. 2 is a longitudinal sectional view thereof.

Fig. 3 is an end elevational view looking toward the outer end of the barrel with the choke detached.

Fig. 4 is a longitudinal section of the muzzle end of the barrel equipped with the choke device, and with a modified means for adjusting the choke.

Similar characters of reference are employed in all of the above described views, to indicate corresponding parts.

Referring now, more particularly, to the accompanying drawings there is illustrated a shot gun of the conventional form, including generally a barrel 1 supported on the fore-stock 2, the forward end of which is formed with an inwardly extending threaded recess 3 for a purpose that will presently appear, while adjustably mounted on the other end of the barrel is an improved choke attachment generally indicated by the numeral 4.

In reducing the present feature of the invention to practice, the outer surface of the barrel near the outer end is gradually tapered toward the outer end as indicated at 5, while the outer portion of the barrel is provided with opposed pairs of slits 6, as indicated, for permitting the contraction of the muzzle and of the barrel, as will hereinafter become apparent. The choke in the present instance is in the form of a sleeve 7, the inner surface of which is gradually tapered from the outer end to the inner end, as indicated by the numeral 8 and corresponds to the inclination or tapered portion 5 of the barrel. In assembling the parts, that is, telescoping the sleeve on the tapered outer portion of the barrel, it is desirable that the sleeve and the barrel be bored when the sleeve is in the position indicated in Fig. 2 and when it is positioned forwardly or beyond the outer end of the barrel for insuring of the proper directing of the shot at the time the gun is fired. In this connection it is to be observed that when the sleeve is moved to the innermost position, as indicated in Fig. 1, the slits 6 will permit of the contracting of the bore by the sleeve for insuring of the maintainance of the shot in a compact or close formation when projected from the barrel upon the firing of the gun, whereas when the sleeve is adjusted forwardly of the barrel, the

shot will be scattered. In the former position the gun is best adapted for long range shooting, whereas when the choke is extended to the forward position, the gun can
5 be conveniently and effectively used for short range shooting.

With a view toward providing the improved means for manually adjusting the sleeve, an ear 9 is formed integral with,
10 and near the lowermost point of, the sleeve and swiveled therein is a head 10 which in turn is formed on one end of an adjusting rod 11, the inner end of which is threaded
15 as at 12 and received or accommodated within the threaded recess 3 in the forestock 2. A knurled wheel 13 is carried by this rod and of course facilitates adjustment of the rod to correspondingly adjust the sleeve, as is apparent. It is, of course,
20 to be understood that the barrel is equipped with a sight 14, for facilitating the firing of the gun.

It is believed in view of the foregoing description that a further detailed description of the operation of the invention is
25 entirely unnecessary. Likewise it is believed

that the advantages of the invention will be readily apparent.

What is claimed is:—

The combination with a gun barrel the 30 outer diameter of which adjacent the muzzle end is gradually reduced to form a forwardly extending taper, the barrel being provided with longitudinally arranged slits in this tapered portion, of a correspondingly 35 shaped sleeve telescoped over the tapered end and formed with an ear, an adjusting rod formed with a reduced portion passing loosely through the said ear and having a head abutting the ear on one side and the 40 shoulder abutting the ear on the other side, a threaded socket fixed with reference to the stock and, receiving the other end of the said rod which is correspondingly threaded, and manually operable means for rotating 45 the rod whereby relative longitudinal movement between the barrel and the sleeve is effected for the purpose specified.

In testimony whereof I affix my signature.

FRANCIS XAVIER SCHUSTER.