June 9, 1931. N. E. SCHOONOVER 1,809,533

ORDNANCE

Filed May 21, 1930

Fig. 1.

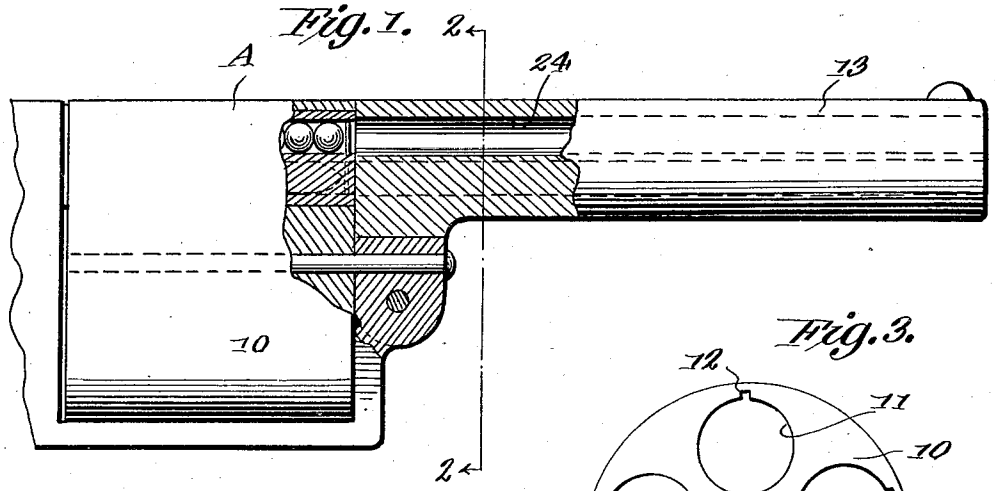


Fig. 3.

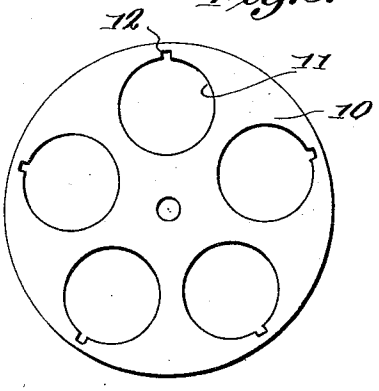


Fig. 2.

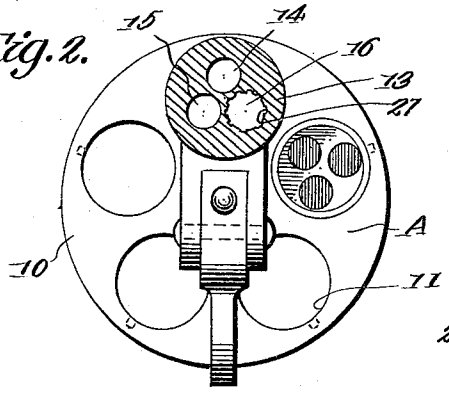


Fig. 4.

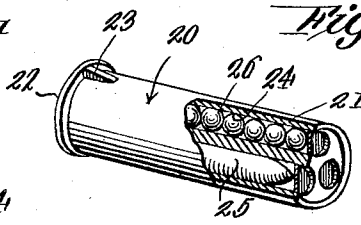


Fig. 5.

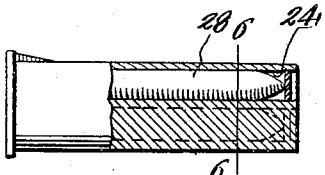


Fig. 6.

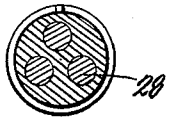


Fig. 7.

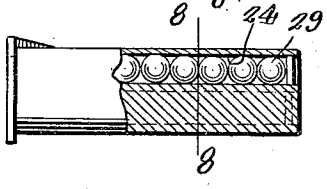
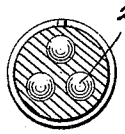


Fig. 8.



INVENTOR.
NOAH E. SCHOONOVER.
BY
Irving S. McCathran
ATTORNEYS.

Patented June 9, 1931 1,809,533

UNITED STATES PATENT OFFICE

NOAH E. SCHOONOVER, OF INTERIOR, SOUTH DAKOTA, ASSIGNOR OF ONE-HALF TO ESLI A. WOODBURN, OF INTERIOR, SOUTH DAKOTA

ORDNANCE

Application filed May 21, 1930. Serial No. 454,378.

This invention appertains generally to ordnance and more particularly to small arms.

One of the primary objects of my invention is to provide a gun having a single barrel with a plurality of bores therein, with cartridges therefor having different chambers therein for receiving shot, slugs, and the like, for aligning with the bores in the barrel, whereby upon firing of the cartridge the balls, slugs, etc., will be fired through the different bores in the barrel, thereby permitting the effective carrying of the shot, slugs, etc., and the increasing of the likelihood of hitting the target.

Another salient object of my invention is the provision of novel means for forming a cartridge for guns having a plurality of separate compartments therein for receiving balls, slugs, etc., whereby different types of projectile can be carried.

A further object of my invention is to provide an improved gun and cartridge therefor of the above character, which will be durable and efficient in use, one that will be simple and easy to manufacture, and one which can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed, and illustrated in the accompanying drawings, in which drawings:—

Figure 1 is a side elevation of a gun constructed in accordance with my invention showing parts thereof broken away and in section.

Figure 2 is a section taken on the line 2—2 of Figure 1 looking in the direction of the arrows.

Figure 3 is a rear elevation of the cylinder of the gun.

Figure 4 is a detail perspective view of one type of cartridge which can be used in my gun, showing parts thereof broken away and in section.

Figure 5 is a side elevation of another type of cartridge which can be used in my gun showing parts thereof broken away and in section.

Figure 6 is a transverse section through the type of cartridge illustrated in Figure 5, the section being taken on the line 6—6 of Figure 5.

Figure 7 is a side elevation of another type of cartridge which can be used in the gun, showing parts thereof broken away and in section, and

Figure 8 is a transverse section through the cartridge of the type shown in Figure 7, the section being taken on the line 8—8 of Figure 7.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A generally indicates a revolver constructed in accordance with my invention, it being understood that the novel features can be incorporated with other types of fire arms.

As shown in the drawings the revolver A includes a rotatable cylinder 10 having a plurality of chambers 11, the chambers being arranged in a circumferential row equi-distantly spaced from the axial center of the cylinder. In accordance with my invention each chamber 11 of the cylinder at the inner end thereof is provided with a tapered groove 12, for a purpose, which will be later described.

The revolver A also includes the longitudinally extending barrel 13, which is also formed in a novel manner. As shown, the barrel 13 is provided with a plurality of bores 14, 15, and 16, and the chambers 11 of the cylinder are adapted to be brought one at a time into axial alignment with the barrel. From the description so far, it can be seen that I have provided a single barrel 13 but that the barrel is provided with a plurality of bores.

The revolver A is adapted to receive a particular type of cartridge 20, which forms an important part of my invention. The cartridge 20 includes the usual case 21 having an end wall 22 extending beyond the outer surface of the case and the case has formed thereon at its outer end a rib 23 which rib

is tapered toward the outer end thereof from the end wall 22. The cartridge 20 is provided with a plurality of longitudinally extending compartments 24 which compartments 24 correspond to the number of the bores in the barrel 13 and these compartments are so spaced and formed as to properly align with the said bore. The rib 23 and the groove 12 of the cylinder forms a positive means for facilitating the proper alignment of the compartments 24.

In the type of cartridge shown in Figure 4 of the drawings, one of the compartments 24 can receive a slug 25, while the other chambers can receive ball shot 26, and if preferred, the bore 16 of the barrel 13 with which the slug 25 aligns can be rifled as at 28 to facilitate the carrying of the said slug.

If preferred, as shown in Figures 5 and 6 each of the chambers can receive a slug 28, or as shown in Figures 7 and 8 of the drawings all of the compartments 24 can receive ball shot 29.

In other respects the cartridges are of conventional construction being provided with powder or other explosive compounds in rear of the ball shot and slugs, which powder or shot is ignited by a firing cap forming a part of the wall 22 adapted to be exploded by the firing pin of the revolver (not shown).

From the foregoing description, it can be seen that I have provided a novel firearm in which the barrel is provided with a plurality of bores and in which the cartridges therefor are provided with a plurality of compartments carrying ball stops, slugs or the like for aligning with the bore.

Changes in details may be made without departing from the spirit or the scope of this invention, but what I claim as new is:

1. In a firearm, a single barrel having a plurality of longitudinally extending bores, a rotatable cylinder provided with chambers, cartridges for the chambers having a plurality of compartments therein adapted to align with the bores in the barrel, and projectiles in the different compartments of the cartridge.

2. In a firearm, a barrel having a plurality of longitudinally extending independent bores, a cylinder rotatably mounted in rear of the barrel, having a plurality of annularly arranged chambers, a cartridge for each chamber having a plurality of compartments therein adapted to be brought into alignment with the bores of the barrel, each compartment of the cartridge having projectiles therein, the wall of each chamber adjacent to the inner end thereof being provided with a guide groove, and a guide rib on each cartridge for fitting in the groove to insure the proper alignment of the compartments in the cartridges with the bores of the barrel.

3. In a firearm, a barrel having a plurality of longitudinally extending bores, the wall of one bore being rifled, a cylinder rotatably mounted in rear of the barrel and having a plurality of chambers adapted to be brought into successive axial alignment with the barrel, a cartridge for each chamber being provided with a plurality of compartments adapted to align with the bores in the barrel, one of the compartments containing a slug for alignment with the rifled bore of the barrel, the wall of each of the chambers at the inner end thereof being provided with a guide groove, and each cartridge adjacent to the inner end thereof being provided with a guide rib for reception in the groove to facilitate the proper alignment of the compartments in the cartridges with the bores of the barrel.

In testimony whereof I affix my signature.

NOAH E. SCHOONOVER.