(No Model.)

T. F. EUSTACE.

CARTRIDGE.

No. 488,627. Patented Dec. 27, 1892.

Fig. 1.

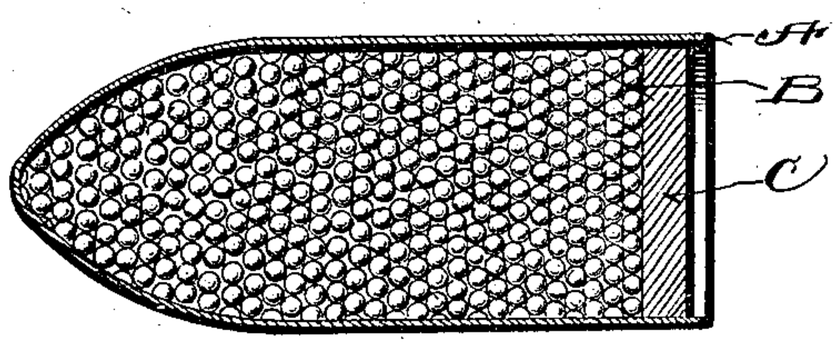


Fig. 2.

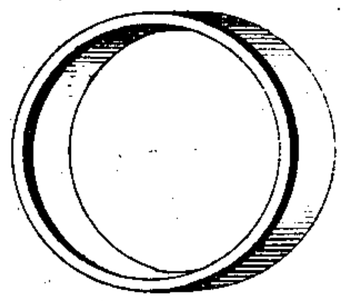


Fig. 3

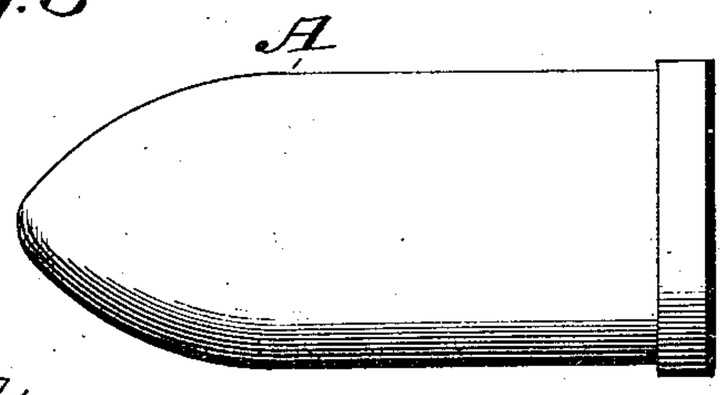


Fig. 4.

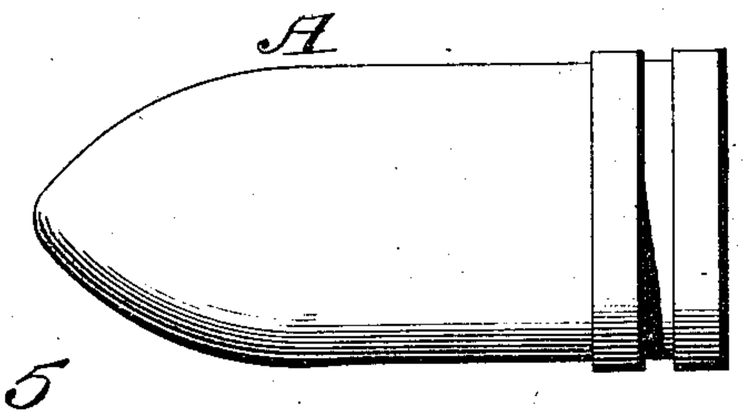


Fig. 5

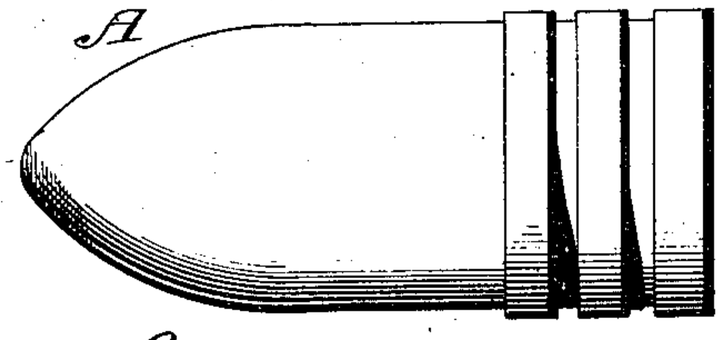
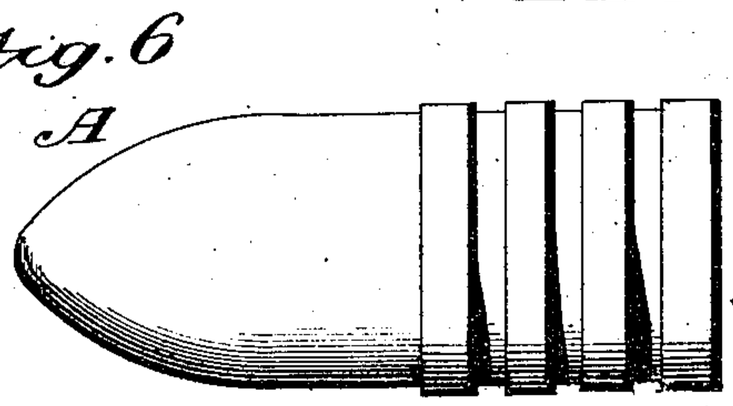


Fig. 6



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THOMAS F. EUSTACE, OF ST. LOUIS, MISSOURI.

CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 488,627, dated December 27, 1892.

Application filed May 7, 1892. Serial No. 432,219. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. EUSTACE, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented a new and useful Improvement in Loading a Shotgun for Hunting Purposes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

The shot-gun loaded in the ordinary and usual manner will on the moment the shot (or pellets) leave the barrel, spread or scatter them to such a degree as to give an unsatisfactory result and cause the single pellets through their extreme lightness to fall at a short distance from the gun.

The object of my invention is to concentrate or hold the pellets together until the distance desired by the marksman is reached and to spread at that point.

Another object of my invention is to regulate the distance at which the pellets should separate.

To carry my invention into effect I press a piece of vellum linen or any other suitable material into the shape as shown in letter "A—Figure—1." This I fill to within a short distance from the edge with pellets of any desired size, as shown in letter "B—Fig.—1." I then force down on these pellets a circular wad as shown in letter "C—Fig.—1" which forces the pouch to retain a spherical shape. I now force over the pouch "A" and encircling the wad "C" the ring "Fig.—2" as shown in "Fig.—3." This ring, as shown in "Fig.—3" acts as my concentrator as it will not permit the pouch to open until the ring has through the resistance of the air been stripped off. It also increases the velocity and range of the projectile, as the pellets being in a compact mass the projectile through its weight is not affected by the atmospheric resistance to the same extent that the light and separated pellets are subject to.

I regulate the spreading of the pellets in the following manner:—If I desire to shoot at a distance of one hundred yards the ring described and shown in "Fig.—3" acts sufficiently as a concentrator. Should I wish the gun to carry one hundred and fifty yards I place a second ring immediately before the first one, as shown in "Fig.—4" which takes the position of the first ring after that ring has been stripped off. Should I desire a still greater range I slip on a third ring, as shown in "Fig.—5." This range I can still increase by slipping on a fourth ring as shown in "Fig.—6." By the use of these rings I claim that the result is an increase in the velocity, force, range and accuracy. This ringed pouch or receptacle, as above described, can be forced down on a charge of powder into a muzzle loading shot-gun, or can be used in connection with breech loading shot-guns, by loading it into a shell or powder chamber.

I am aware that prior to my invention receptacles for balls intended for use with rifles and pistols have been made, I therefore do not claim such a combination broadly; but

What I do claim as my invention, and desire to secure by Letters Patent, is:—

1. A shot-cartridge having a case provided with a series of bands, said bands being separately removable at the forward end of the cartridge, and adapted, when the cartridge is fired, to drop successively, and independently of each other, from the rear end of the cartridge, substantially as described.

2. A shot-cartridge having a case provided with a series of bands, said bands being of uniform diameter, and arranged successively upon the cartridge, but independently of each other, and the forward one or ones of said bands being attachable to and removable from the cartridge at the forward end thereof, substantially as described.

3. A shot-cartridge case consisting of a shell, a ring or band attached to said shell at the base thereof, and one or more rings or bands which can be attached to or removed from the case by slipping them onto or off the case at the forward end thereof, substantially as described.

4. A shot-cartridge case containing in its construction a shell and one or more detachable, encircling, bands, said bands encircling said shell independently of each other and

held in place thereon by means of a shoulder at the base-end of the shell, substantially as described.

5. A shot-cartridge case combining in its construction a shell and a detachable band or ring, said band or ring being held in place upon said case by means of a shoulder at the base-end of the shell, substantially as described.

THOMAS F. EUSTACE.

Witnesses:
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