No. 872,081. PATENTED NOV. 26, 1907.

J. PIATKOWSKI.

BULLET.

APPLICATION FILED JUNE 27, 1907

Fig. 1.

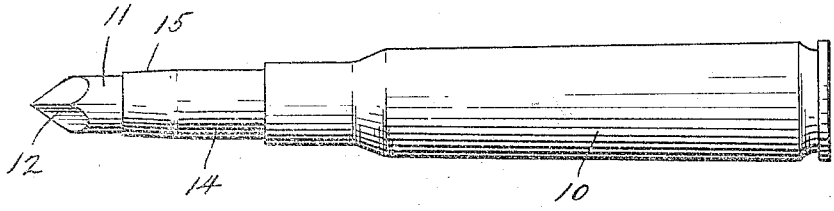
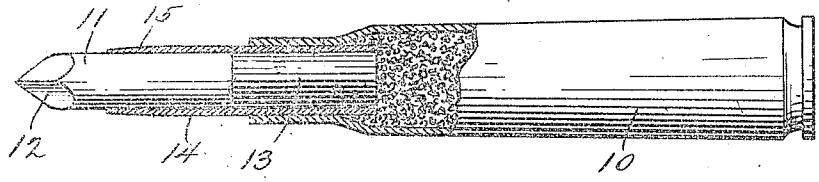


Fig. 2.



Witnesses:

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BULLET.

No. 872,081. Specification of Letters Patent. Patented Nov. 26, 1907.

Application filed June 27, 1907. Serial No. 381,014.

To all whom it may concern:

Be it known that I, JOHN PIATKOWSKI, a subject of the Emperor of Russia, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Bullets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to small arm or rifle cartridges and particularly to the bullets or projectiles thereof.

The object of the invention is to provide a rifle bullet which will have a greater penetrating power than those in use at the present time and which will be simple in form and construction and inexpensive to manufacture.

My invention consists in certain novel combinations and arrangements of parts which will be described in the specification and set forth in the appended claims.

In the drawings Figure 1 is an elevation of a cartridge having a bullet or projectile constructed in accordance with my invention, and Fig. 2 is a similar view parts being broken away and in section to show more clearly the construction.

Referring now to the figures of the drawing, 10 represents a cartridge casing for small arms having a bullet or projectile forming the subject matter of this invention. The bullet consists of three parts, a cylindrical head or forward portion having a pointed trihedral nose 12 formed of a very hard substance preferably tool-steel, a cylindrical rear portion 13, preferably of the same diameter as the forward portion 11 and abutting against the rear end of said portion, and formed of a substance having a high specific gravity such as lead, and a cylindrical sleeve or jacket 14 inclosing the rear portion 13 and part of the forward portion 11, the trihedral nose extending beyond the sleeve. This sleeve which is formed preferably of a hard substance such as nickel steel is in this instance open at the rear end as well as at the front end, the rear end being in this case flush with the adjacent end of the portion 13, and the forward end being tapered as shown at 15. The projectile extends into the cartridge casing for a suitable distance, the latter having its forward end slightly reduced in diameter and fitting snugly about the sleeve. The trihedral steel nose will be hardened to a very high degree.

It will be apparent that a bullet or projectile formed as shown will have great penetrating power on account of the hard sharp trihedral nose which has a drilling or boring action in the object which it strikes such as steel plate, and on account of the heavy rear portion which causes the projectile to attain great momentum in its flight. Furthermore the sharp steel nose and the tapered forward portion of the sleeve cause the projectile to have comparatively little frictional resistance in the air, and consequently the range of the guns will be greater than would be the case with bullets having rounded noses.

Having described my invention I claim:

1. In combination, a cartridge casing, and a bullet or projectile therefor, said bullet or projectile having a forward portion of hard material, and a separate rear portion formed of a softer material and having a higher specific gravity than the forward portion and a sleeve surrounding said portions, said portion of hard material being provided with a sharp nose having a plurality of flat faces, said nose extending beyond said sleeve.

2. In combination, a cartridge casing and a bullet or projectile therefor, said bullet or projectile consisting of a cylindrical forward portion of hard material and having a sharp trihedral nose, a separate cylindrical rear portion of softer material, having a higher specific gravity than the forward portion and a sleeve surrounding said portions, the sharp trihedral nose extending outward beyond the sleeve.

3. In combination, a cartridge casing, and a bullet or projectile consisting of a steel forward portion provided with a sharp tridedral nose, a rear portion of lead, and a sleeve open at both ends and holding said steel and lead portions together.

In testimony whereof I affix my signature in the presence of two witnesses.

JOHN PIATKOWSKI.

Witnesses:
RAE WEISS,
A. F. KWIS.