

L. B. TAYLOR.

BULLET.

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914,992.

Patented Mar. 9, 1909.

Fig. 1.

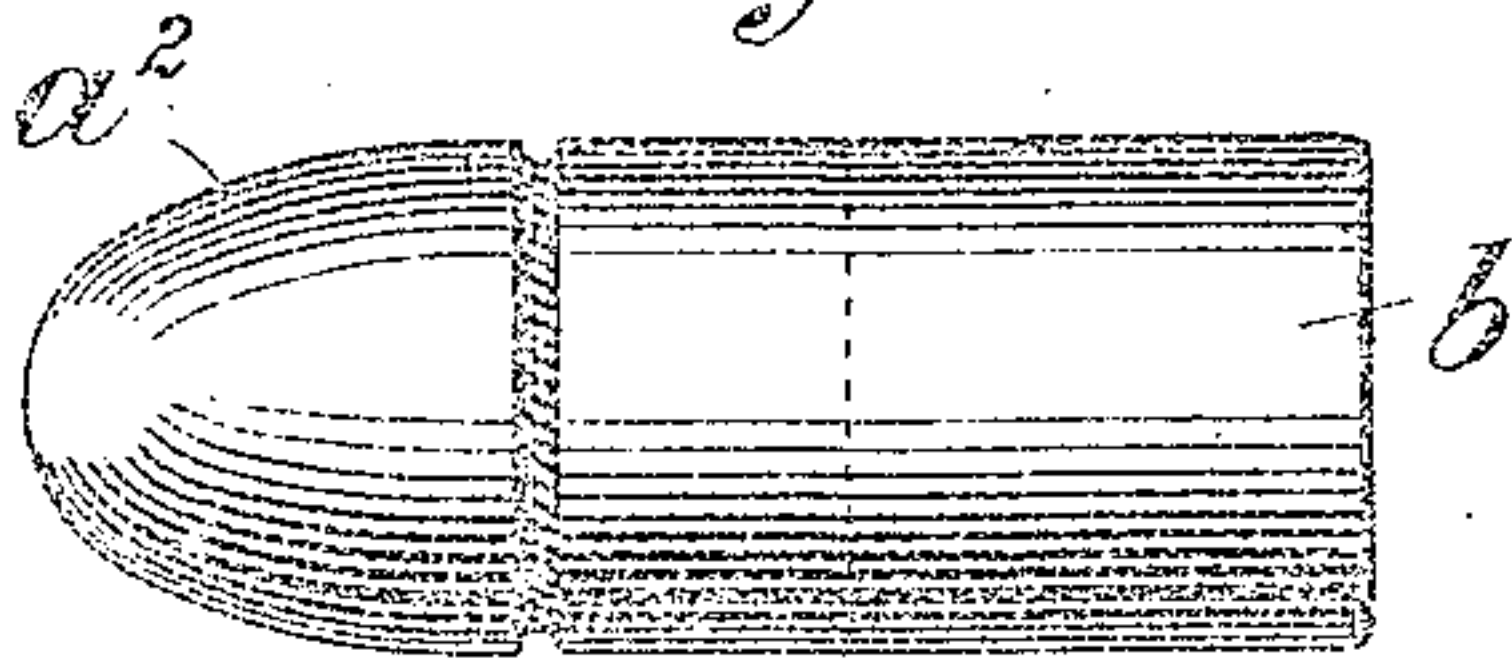


Fig. 2.

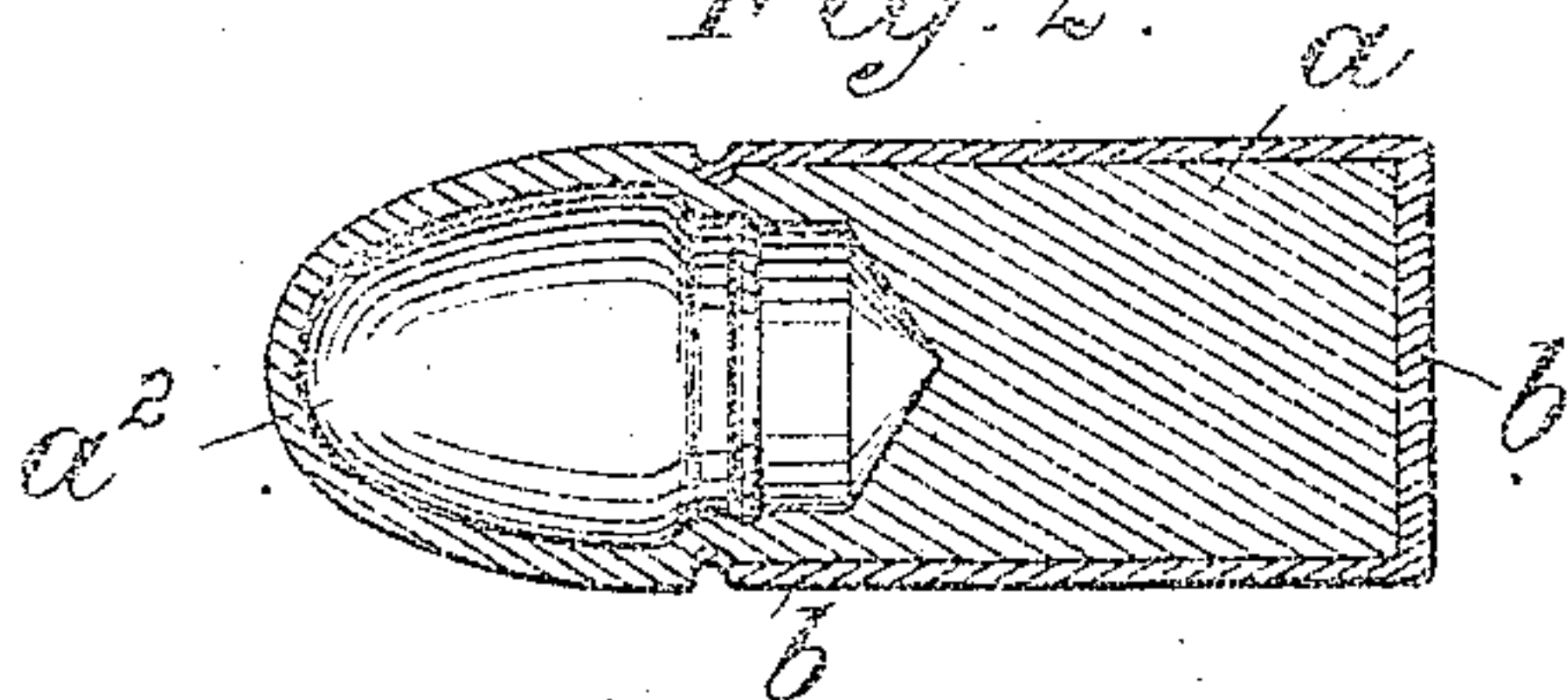


Fig. 3.

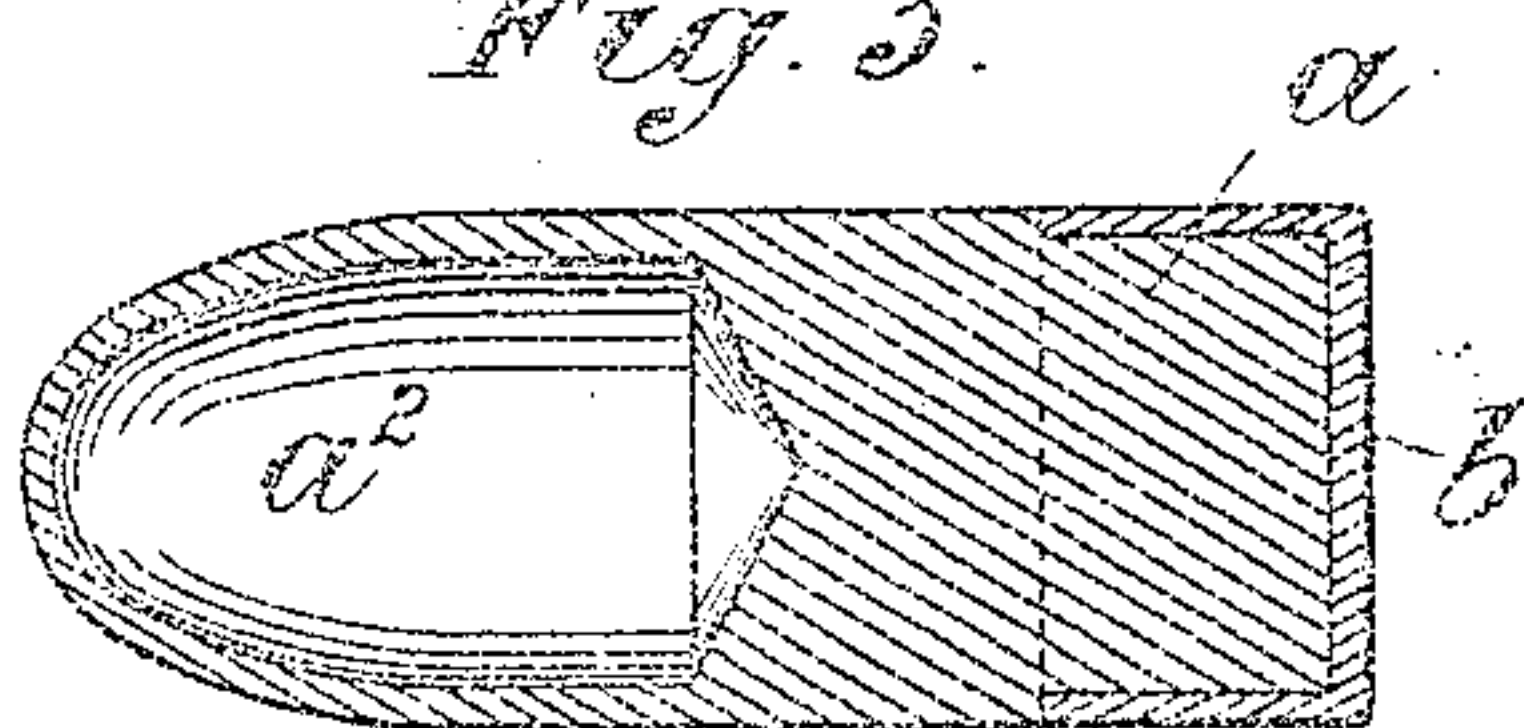


Fig. 4.

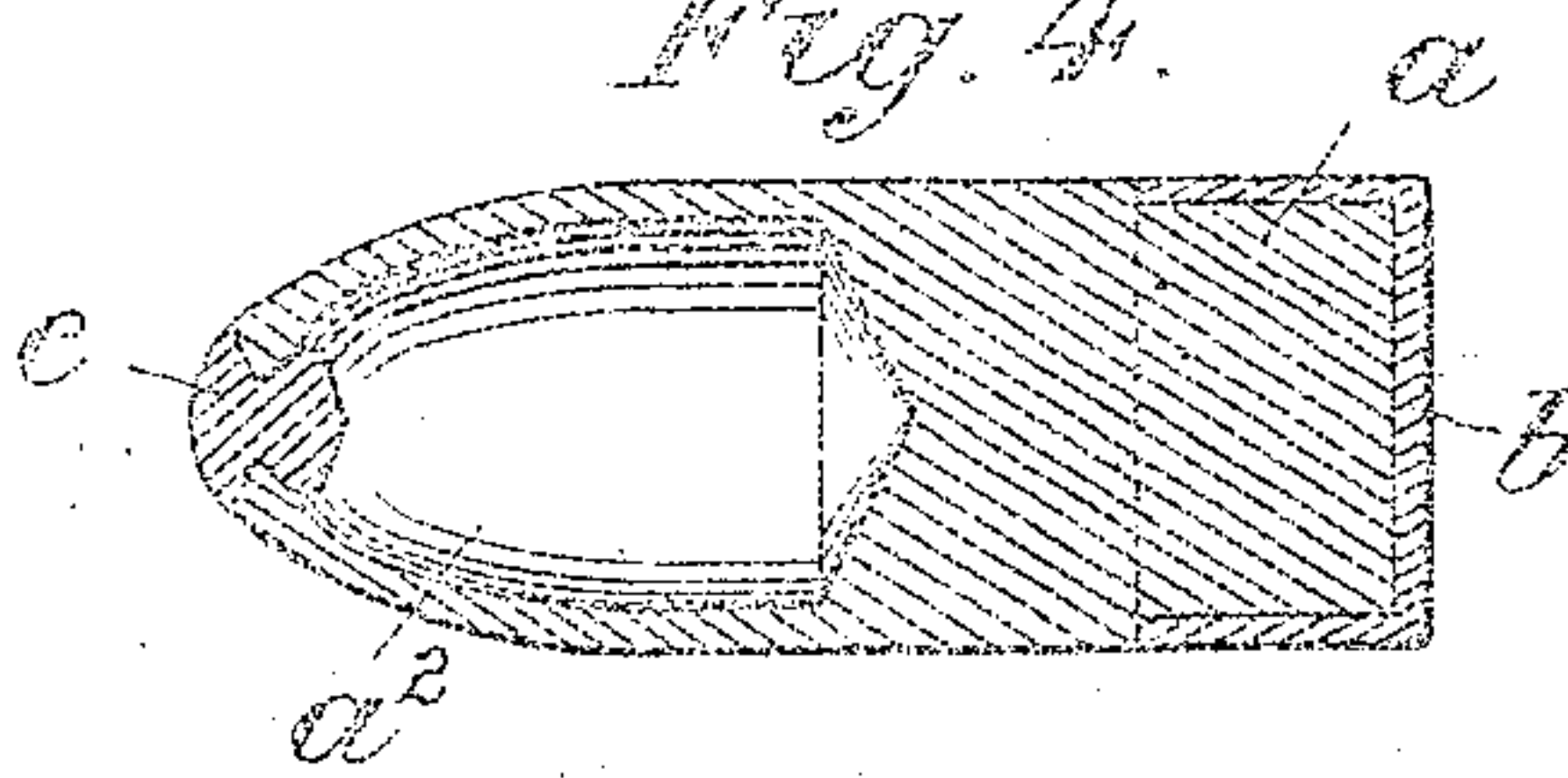


Fig. 5.

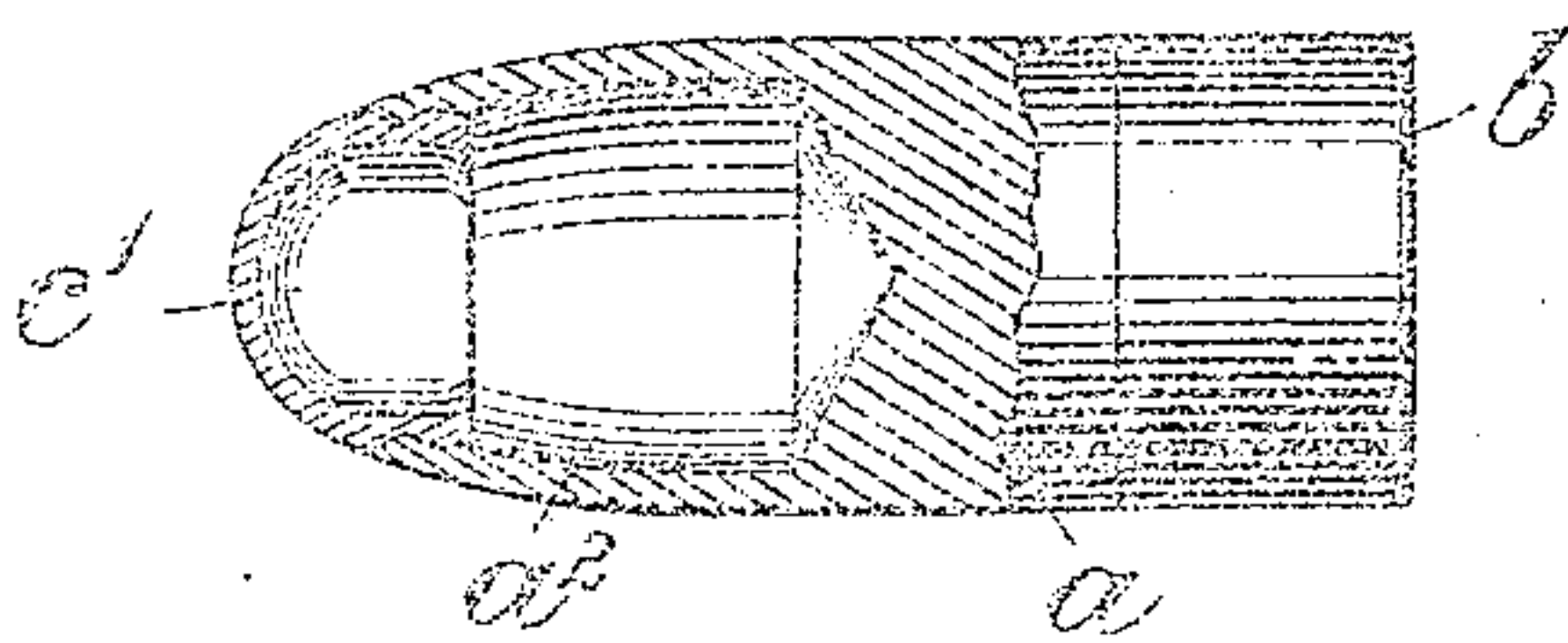
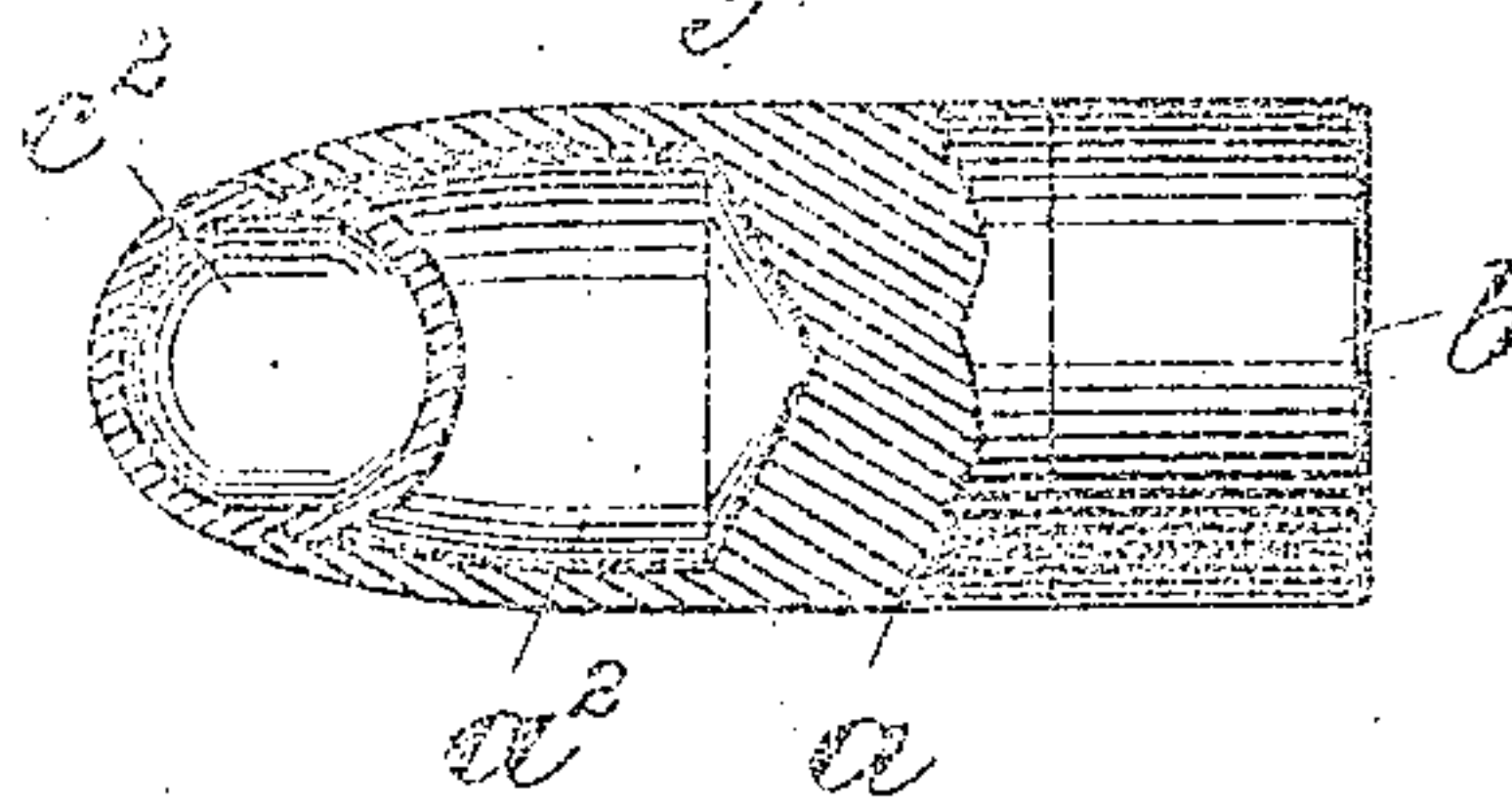


Fig. 6.



Witnesses:—

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UNITED STATES PATENT OFFICE.

LESLIE BOWN TAYLOR, OF BOURNBROOK, NEAR BIRMINGHAM, ENGLAND.

BULLET.

No. 914,992.

Specification of Letters Patent.

Patented March 9, 1909.

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To all whom it may concern:

Be it known that I, LESLIE BOWN TAYLOR, a subject of the King of Great Britain, residing at Grange Road, Bournbrook, near Birmingham, England, have invented certain new and useful Improvements in Bullets, of which the following is a specification.

My invention has especial reference to compound bullets which, as most commonly made, consist of a solid lead bullet, provided with a harder metal envelop or covering, the said envelop being applied either to the whole or to a portion only of the solid lead bullet. In some cases the compound bullets are entirely inclosed at their conoidal or hemi-spheroidal front ends and in other cases the conoidal or hemi-spheroidal front ends are left uncovered, the said enveloped bullets with uncovered front ends being generally called "half-mantle" bullets, "soft-nose" bullets, or "dum-dum" bullets.

In the new construction of compound bullet hereinafter described, constituting my invention, I may employ a reduced form of the full envelop of harder substance, that is to say, either a three quarter mantle or envelop, or a half mantle or envelop; or the mantle or envelop may be so shortened as to become a shallow cup, or it may be reduced to the form of a disk placed at the rear of the bullet. Or I may apply the harder substance to the nose of the bullet as a solid tip, disk, hollow cup or of other suitable form. Or the front solid tip, disk, hollow cup or the like may be used in addition to the harder substance at or on the rear portion of the bullet.

In carrying my invention into effect, I make the hemi-spheroidal, ogival or conoidal front end or nose of the bullet completely closed but hollow, that is, with a cavity therein, the bullet having the outward appearance of the ordinary solid elongated bullet of lead hereinbefore referred to. The said hollow closed in front or nose of the improved bullet may be made of a soft metal or alloy and is preferably formed from a tubular extension of the solid body of the bullet.

Figure 1 of the accompanying drawing represents in elevation and Fig. 2 in longitudinal section a compound bullet constructed according to my invention. Figs. 3, 4, 5 and 6 are modified forms of my invention.

a , a^2 is the lead body of the bullet the rear part A being solid and the front end or nose a^2 hollow as is seen in Fig. 2, the hollow front end or nose a^2 being completely closed,

the said hollow bullet resembling an ordinary solid three quarter mantle bullet.

b is the harder metal mantle of the bullet. From the description hereinbefore given it will be understood that the mantle b may be of any length desired, that is to say, if the improved bullet is to be provided with a half mantle the said half mantle terminates at the dotted line indicated in Fig. 1; Fig. 3 represents in longitudinal section one of the improved bullets in which the mantle b has the form of a short or shallow cup.

The hollow front end or nose a^2 of the improved compound bullet may be hemi-spheroidal, ogival, conoidal or of other desired shape and may have any length suitable for the combined purposes of expansion and accurate flight.

A compound bullet of the kind described and represented can be made of any length desired for the purpose of obtaining accuracy of flight while retaining the principle of lightening the bullet at its front end or nose by which the weight of the bullet is reduced and the velocity increased while the said bullet has, for certain conditions of sport, a greater degree of expansive power than has hitherto been obtainable.

Where it is desired to still further increase the effectiveness of the bullet I fix in the front end or tip of the hollow part a^2 a rivet-like stud c as is represented in Fig. 4; or instead of employing a solid rivet-like stud c a cup-shaped tip c^1 as is represented in Fig. 5 may be employed; or a nearly spherical tip c^2 as is represented in Fig. 6 may be secured in the hollow front end a^2 of the body of the bullet, the said rivet-like tip c , or cup shaped tip c^1 , or spheroidal tip c^2 projecting beyond the part a^2 of the body of the bullet and constituting the nose end or point of the bullet.

Although I prefer to make the solid tip c (Fig. 4), or cup-shaped tip c^1 (Fig. 5), or hollow tip c^2 (Fig. 6), of a harder metal or alloy than the hollow nose a^2 yet the same or nearly the same effect may be obtained by making the walls of the cup c^1 , or spheroidal tip c^2 thicker than the wall of the nose a^2 and of the same metal as the said nose. Or the tips c , c^1 and c^2 may be made of a softer metal or alloy than the hollow front end a^2 , or of other suitable material.

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

1. A bullet of the class specified having a body of hollow metal at its nose or front end

and formed of soft metal, the front terminal of the nose having a convex contour and unbrokenly merging into the side portion of the said nose or front end, the hollow nose or front end being completely closed, and a mantle of harder material than the body and partially inclosing the latter.

2. A bullet of the class specified having a body of soft metal with a hollow nose or front end completely closed and of exterior convex contour unbrokenly merging into the body, the nose or front end of the body being also of soft metal similar to that of the body, and a mantle of harder metal than the body and partially extending over and inclosing the latter.

3. A bullet of the class specified, consisting

of a solid metallic body having a completely closed chamber formed at its front end, the latter being integral with the body and continuing in a regular unbroken curved contour over the front extremity of the body, the rear extremity of the body being solid, and a mantle of harder material than the body and partially extending over and inclosing the latter.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LESLIE BOWN TAYLOR.

Witnesses:

RICHARD SKERRETT,
WILLIAM JAMES BOWKER.