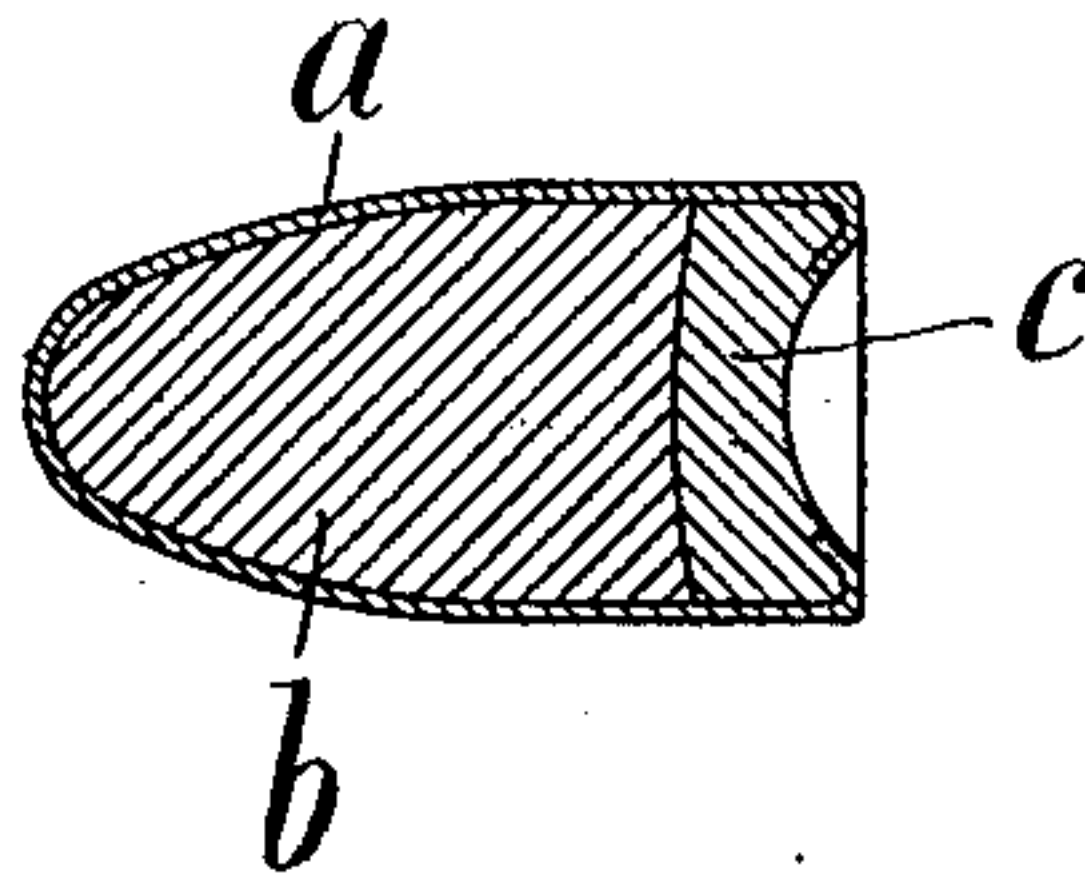


J. T. S. SCHOUBOE.
PROJECTILE.
APPLICATION FILED JUNE 4, 1910.

998,307.

Patented July 18, 1911.



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Specification of Letters Patent.

Patented July 18, 1911.

Application filed June 4, 1910. Serial No. 564,945.

To all whom it may concern:

Be it known that I, JENS THEODOR SUHR SCHOUBOE, first lieutenant, a subject of the King of Denmark, residing at Holte, in the Kingdom of Denmark, have invented new and useful Improvements in Projectiles, of which the following is a specification.

This invention relates to an improvement in projectiles, and more particularly to projectiles adapted for use in revolvers, pistols or the like.

One of the objects of the invention is to provide a projectile which may be discharged from the weapon with a minimum amount of recoil.

Other objects will be in part obvious and in part pointed out hereinafter.

The accompanying drawing, which shows an illustrative embodiment of the invention, is a longitudinal sectional view taken through the longitudinal medial line of the projectile.

As tending to more readily understand certain features of this invention, it may here be noted that it has been the general practice to construct a projectile in such a manner that the ratio between the weight of the projectile (expressed in kilograms, for example) and its cross sectional area (expressed in square centimeters, for example) should be large, in order that the speed of the projectile should not be retarded to any great extent, whereby its trajectory will be low. The tendency to increase this ratio has resulted in constructing the projectile of heavy material, as, for example, lead covered with a sheath of hardened metal such as nickel alloy, and further in making the projectile comparatively long. While a projectile constructed in this manner is well adapted for use with rifles and the like, in which the recoil due to the discharge does not impair the marksmanship of the person who is shooting, it is not adapted to use in revolvers or the like, which must be held in one hand when being discharged, as in this instance the recoil will tend to throw the weapon, which is comparatively light, out of its position, thereby retarding the firing

of the next shot, or rendering the same practically worthless.

In the operation of automatic revolvers, the recoil, if great, practically nullifies the shots after the first one.

In order to avoid the disadvantages above set forth, the projectile in accordance with this invention is so constructed that the ratio between its weight and its cross sectional area is comparatively small, and it has been found in practice that a projectile so constructed will be just as effective as a projectile in which the ratio is large, when the projectile is fired at the range at which revolvers are generally used. It has also been found that when a projectile constructed in accordance with this invention is discharged from a revolver or pistol, there is practically no recoil.

In the illustrative embodiment of the invention shown in the drawing, *a* is a sheath, preferably formed of a hard substance such as copper-nickel, and *b* represents the core constructed of a material having a lower specific gravity than the metal of which the sheath is made, such core being preferably formed of wood. The core is maintained in position in any suitable manner, as by a base member *c*, preferably formed of a light substance such as aluminium.

Having described this invention in connection with the illustrative embodiment thereof, to the details of which disclosure the invention is not of course to be limited, what is claimed as new and what is desired to be secured by Letters Patent is set forth in the appended claim:

A projectile comprising a sheath and a compound core, said core comprising a wooden front portion and an aluminum rear portion adapted to hold the wooden front portion in position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JENS THEODOR SUHR SCHOUBOE.

Witnesses:

A. LARSEN,
J. STEENSON.