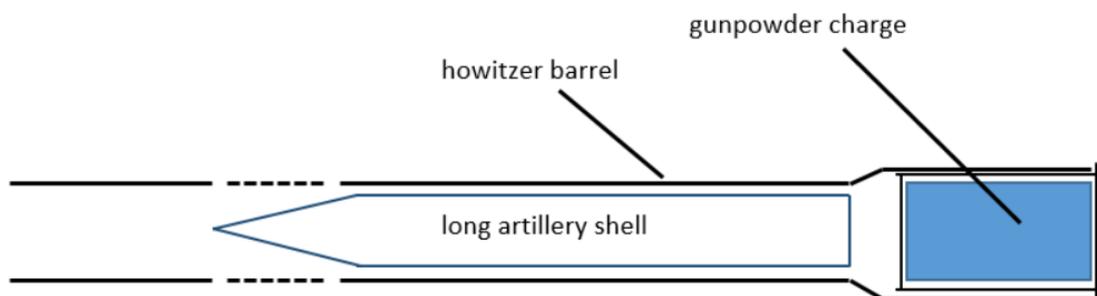
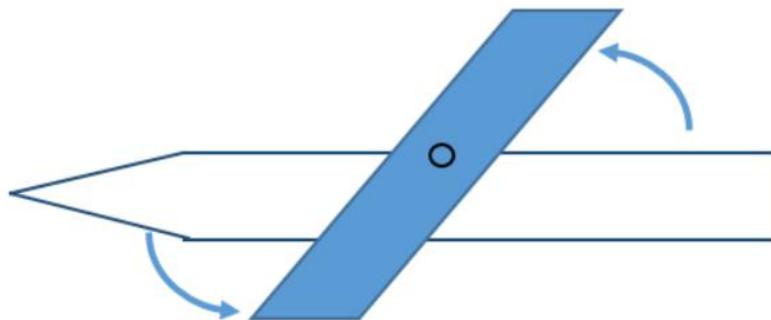


OFLAMERON Theoretical Engineering

Long artillery projectile of a new type OFLAMERON. The length of the projectile is 1.5-2.0 meters. The projectile is separated from the gun barrel by protective plastic pads, which are dropped after exiting the barrel. The pads protect the projectile from friction and increase the speed of movement. After resetting the protective pads, a rotary wing and "tail" stabilizers (rudders) open at high altitude. Further flight occurs similarly to a planning bomb. The firing range can reach 200 kilometers. Such a projectile has no thermal signature and cannot be intercepted by thermally guided missiles (MANPADS).



A projectile with a protective layer is not limited to a smooth barrel. A rifled barrel can also be used. Long length provides a large internal volume and stable flight aerodynamics. In practice, it turns out a planning ammunition with a high initial speed, which does not require an aircraft to launch. The technical wear of the barrel also has little effect.



If you add a thermal homing head to a "long" projectile, then you can get a means of destroying helicopters, attack aircraft or aircraft during takeoff at a distance of about 100 kilometers. The approximate area of the projectile shot is set according to the data of the specialist on the battlefield.

This technology makes it possible to use a "projectile" of great length (up to half the length of the gun barrel), to provide a high initial speed and height before opening the wing, and the absence of a thermal wake (because there is no engine).

When the projectile moves in the gun barrel, it must be protected by thin dense plastic elements that are dropped after exiting the barrel (as with sub-caliber projectiles). For example, from ballistic polyethylene. This reduces friction in the barrel and allows smooth and grooved barrels to be fired.

The large length of the projectile allows the use of a large elongation wing and provides a large gliding range.

Only technical ideas, possible technologies, finding unusual solutions, overcoming technical problems.

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