

Locking and unlocking mechanism for fixed barrel of automatic firearm with gas-operated automatic reloading system, comprising fixed barrel, barrel jacket, gas piston surrounding the barrel, bolt, and frame containing rotating doubled breechface, designed to hold bolt, which is designed with the possibility of rigidly locking barrel located in barrel jacket, with muzzle attachment designed with the possibility of diverting powder gases to gas piston surrounding barrel, which is designed with the possibility of lowering bolt. Breechface is designed to release bolt for recoil.