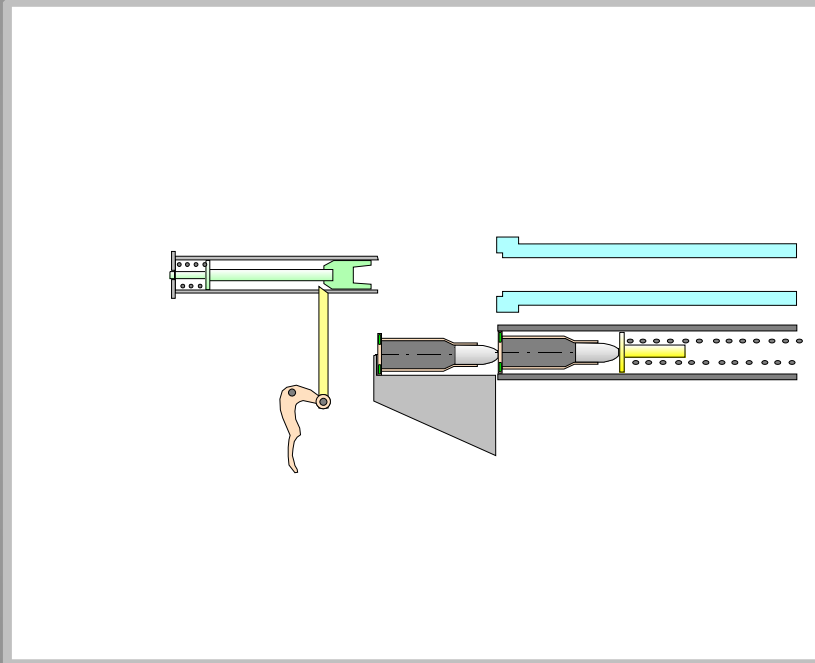


# Repeater Lock

Vetterli Carbine 1869/71, Switzerland



# Conception of Vetterli Repeater Lock



The repeater has a tubular magazine in the fore end below the barrel with a capacity of 12 cartridges of which one is in the carrier. The cartridges are manually loaded into the loading gate via a cutout in the carrier. The rotating bolt action has an ignition pin with a coil spring and an ignition fork. The rim fire cartridges are loaded. A quarter turn of the bolt handle unlocks the action and pulls back the ignition pin pulling back on the bolt, opening the lock. The empty cartridge shell is ejected and at the same time, the next cartridge is brought up in front of the chamber by the carrier via a lever in the loading mechanism. By pushing the rotating bolt forward, a new cartridge is chambered, the ignition is set, and the bolt is locked with a quarter turn.

# Vetterli Repeater Lock, 1869



# Vetterli Repeater Lock, 1869

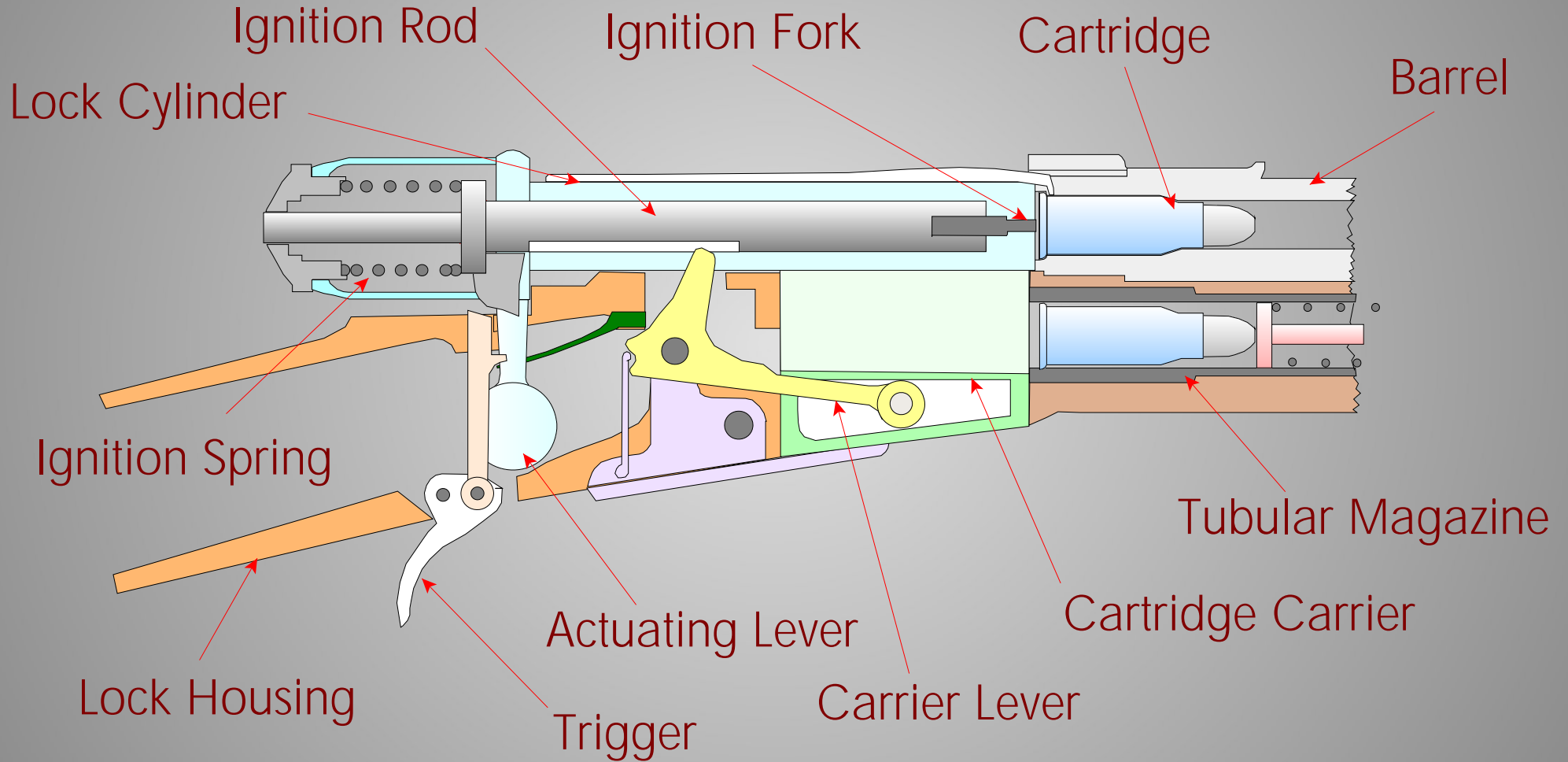


# Vetterli Repeater, M1869/71, Switzerland

First Repeater in Use in a European Army



# Cross Section of Vetterli Lock

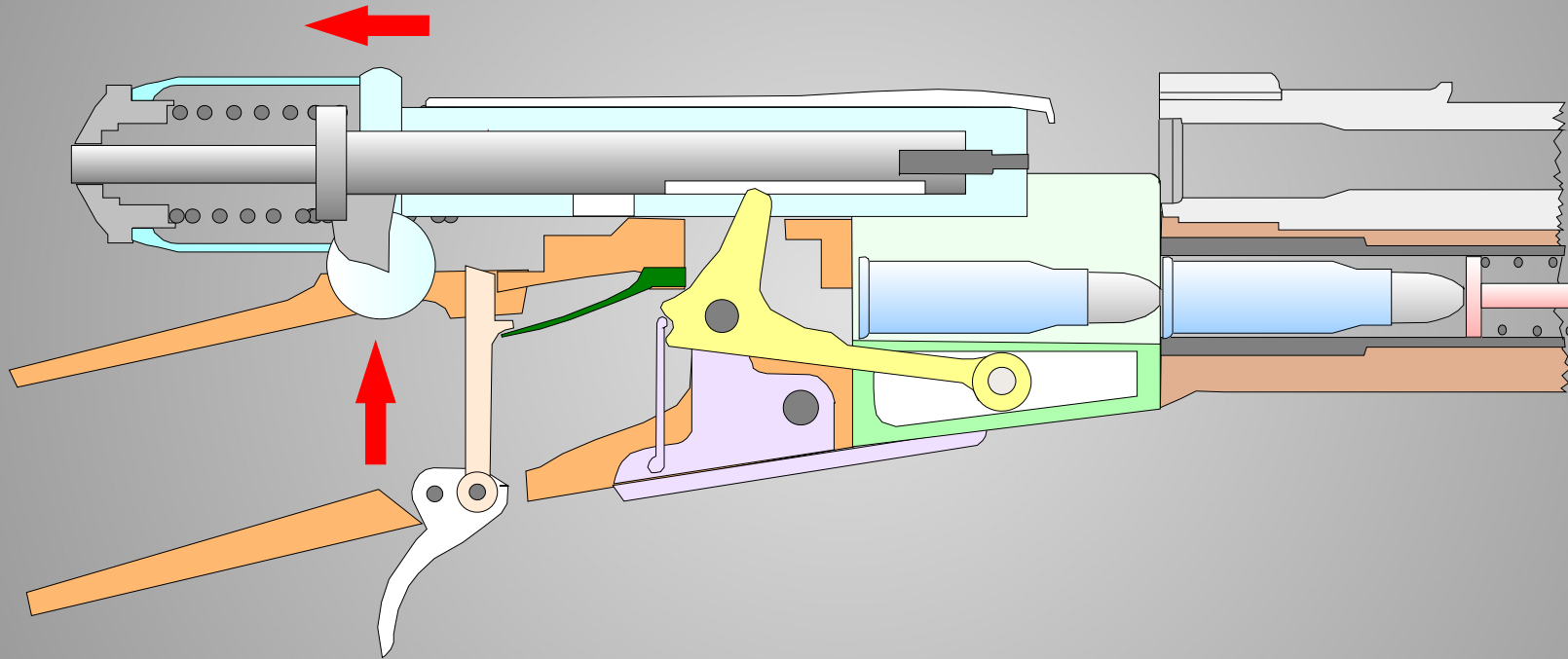


# Loading Repeater



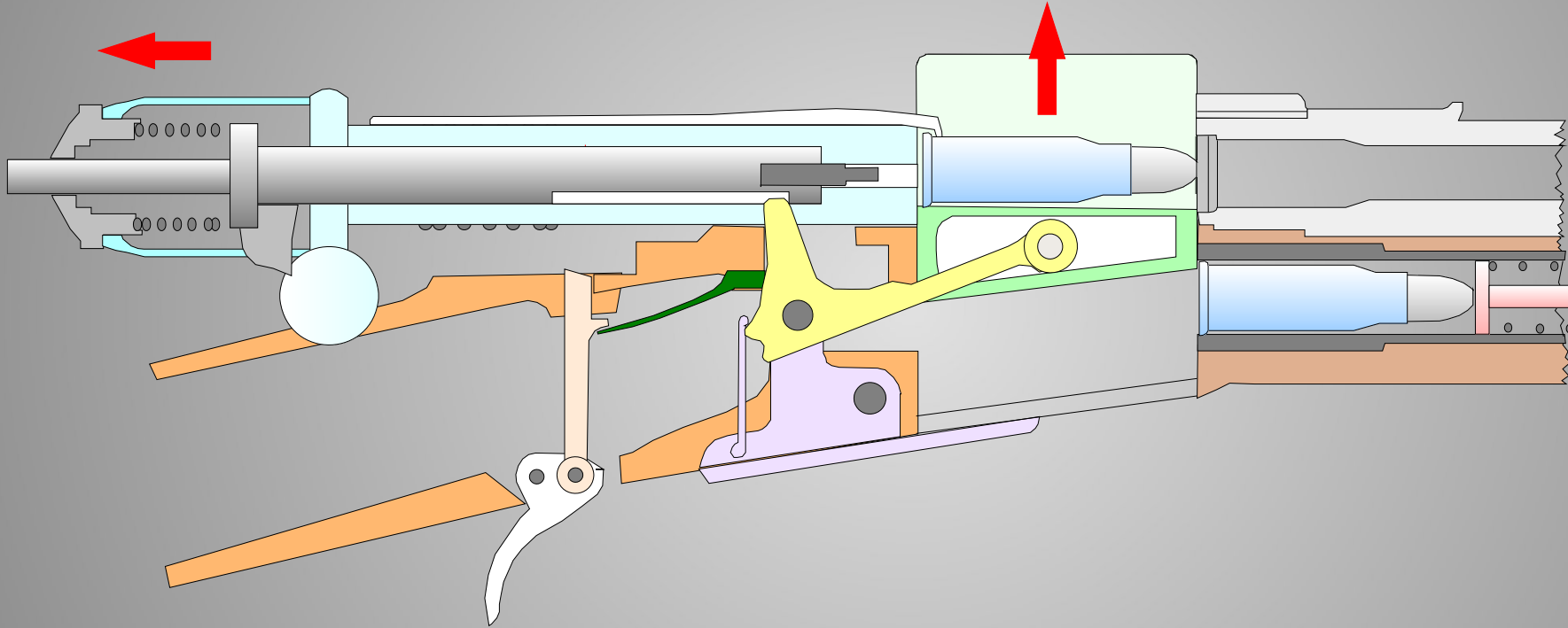


# Open lock by turning the actuating lever

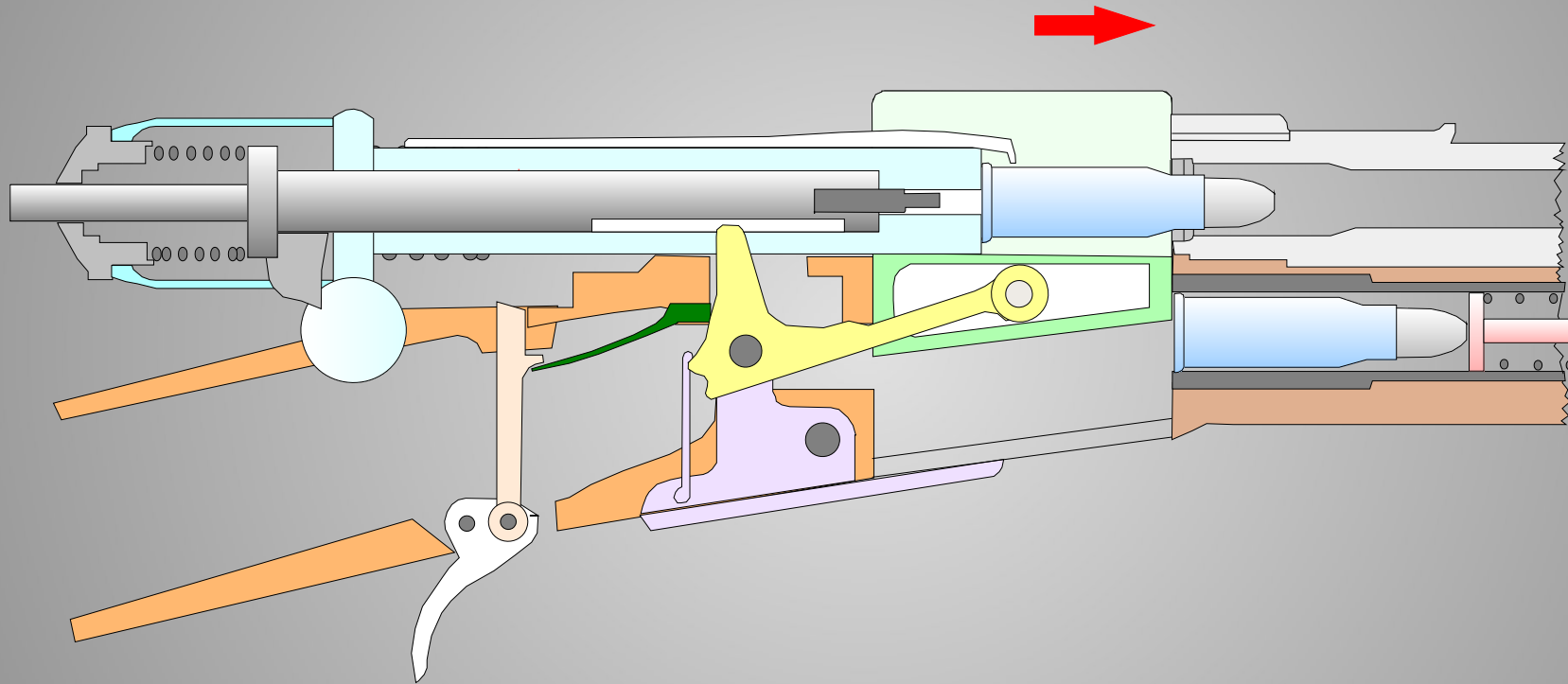




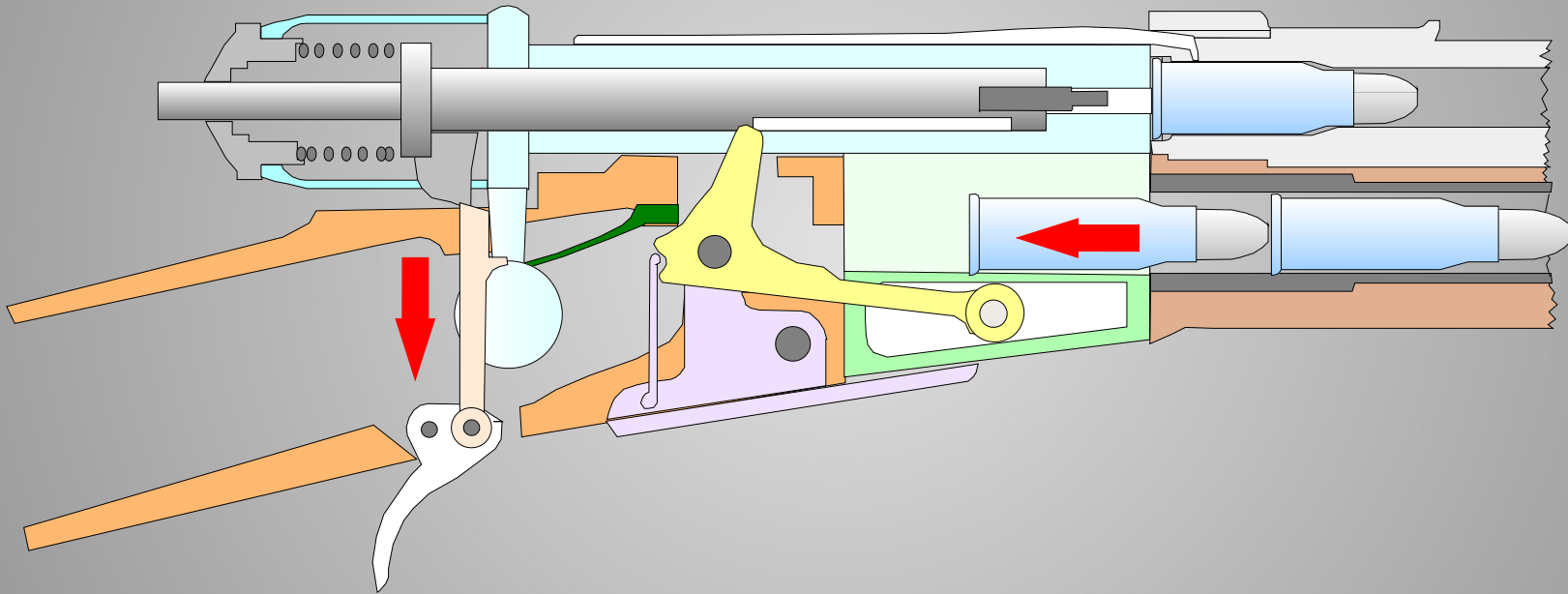
# Cocking of ignition rod



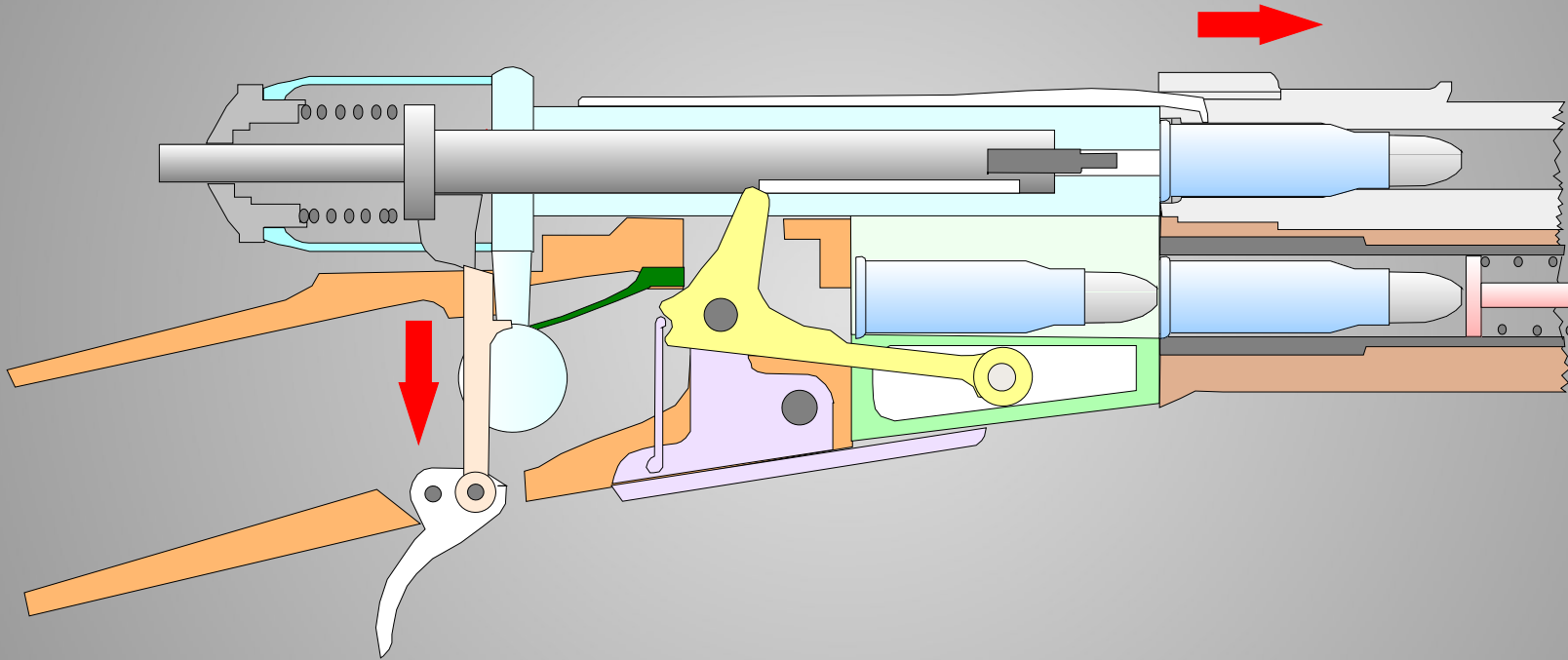
# Close repeater lock



**Cartridge is being pushed into carrier**

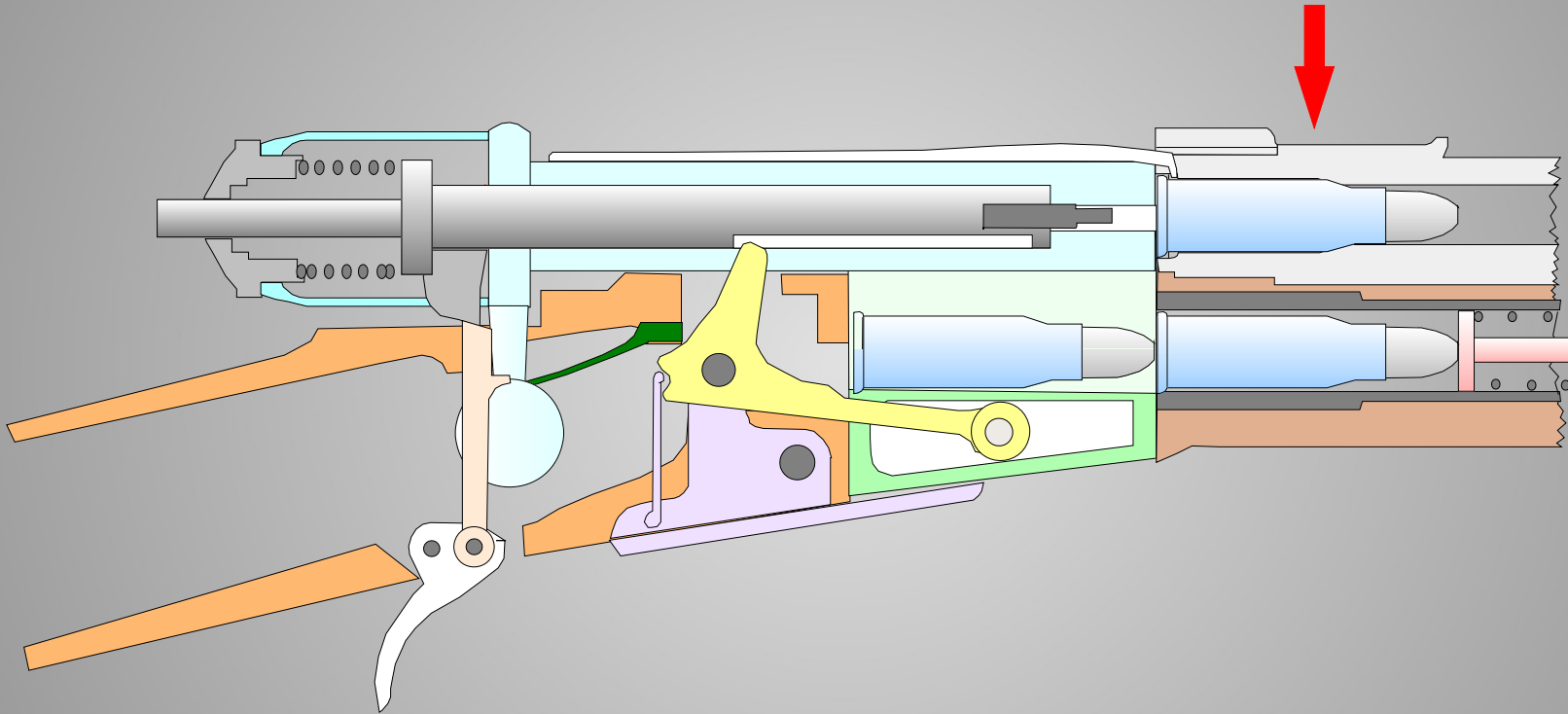


# Lock in closed position



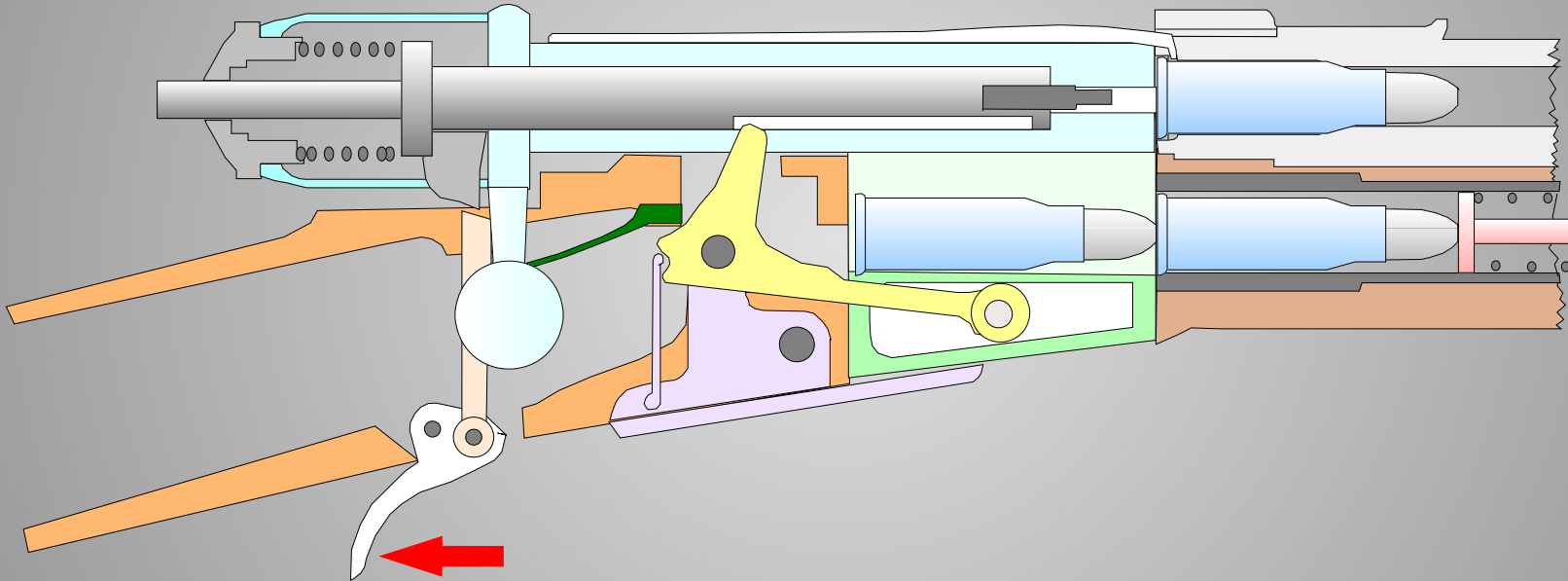
# **Firing of the Repeater**

# Rifle loaded

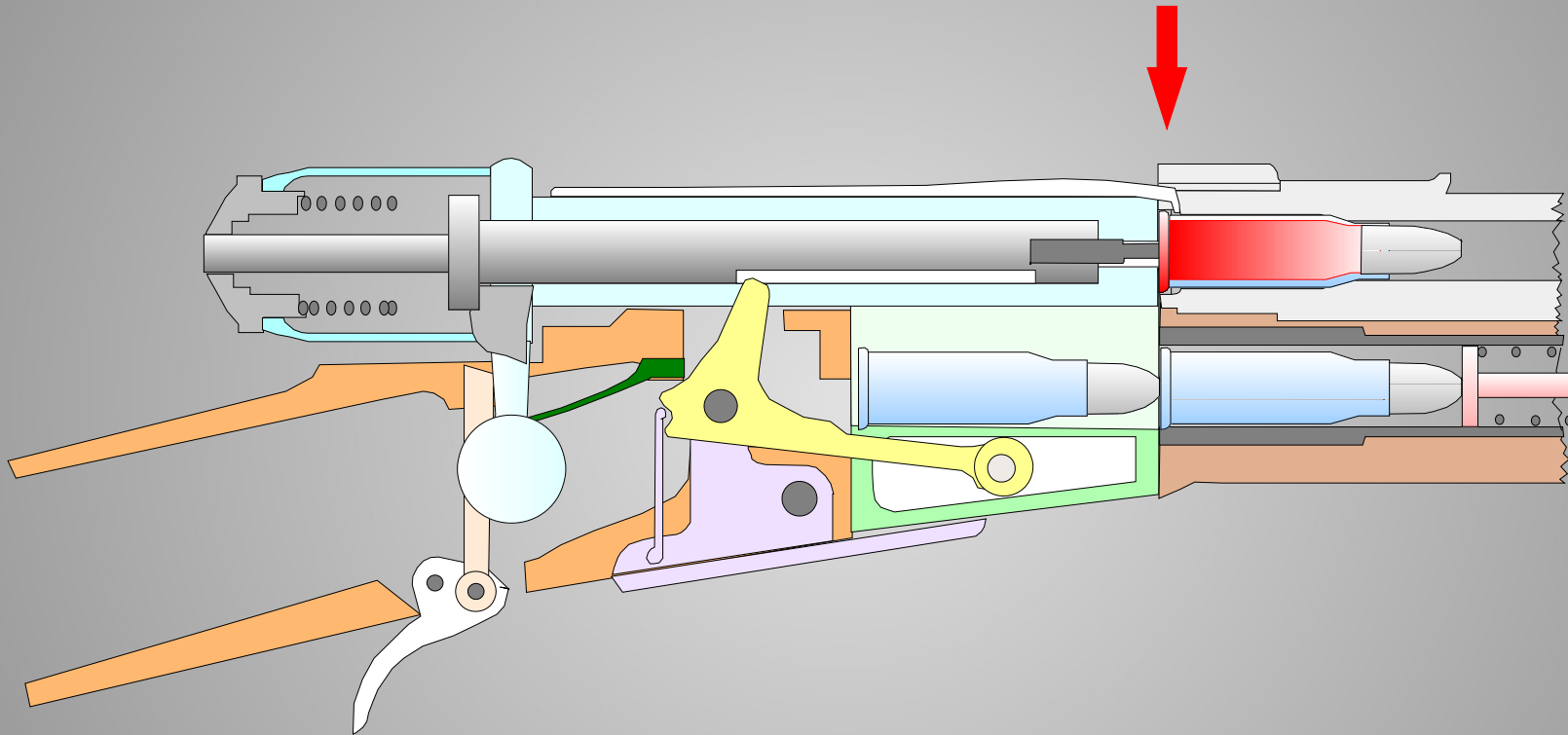




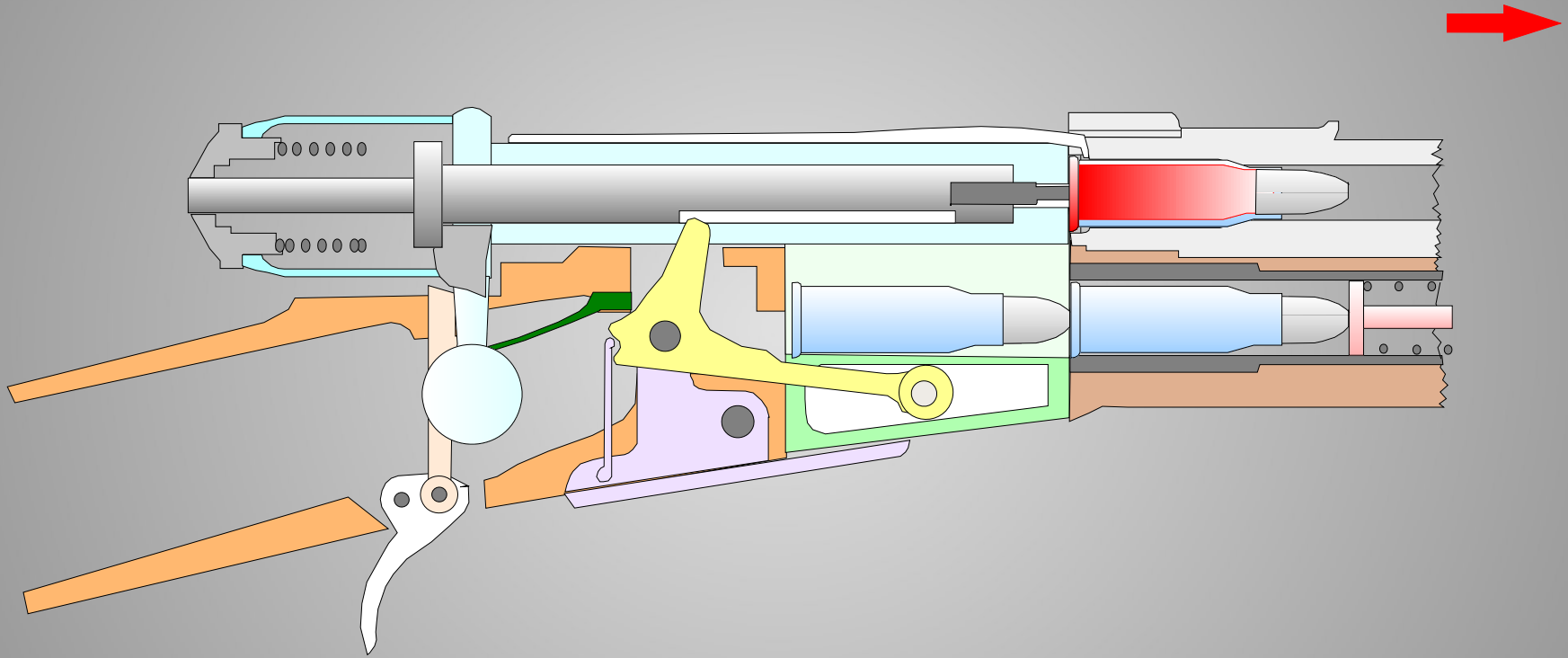
# Trigger



# Trigger fork hits fulminate rim and ignites cartridge



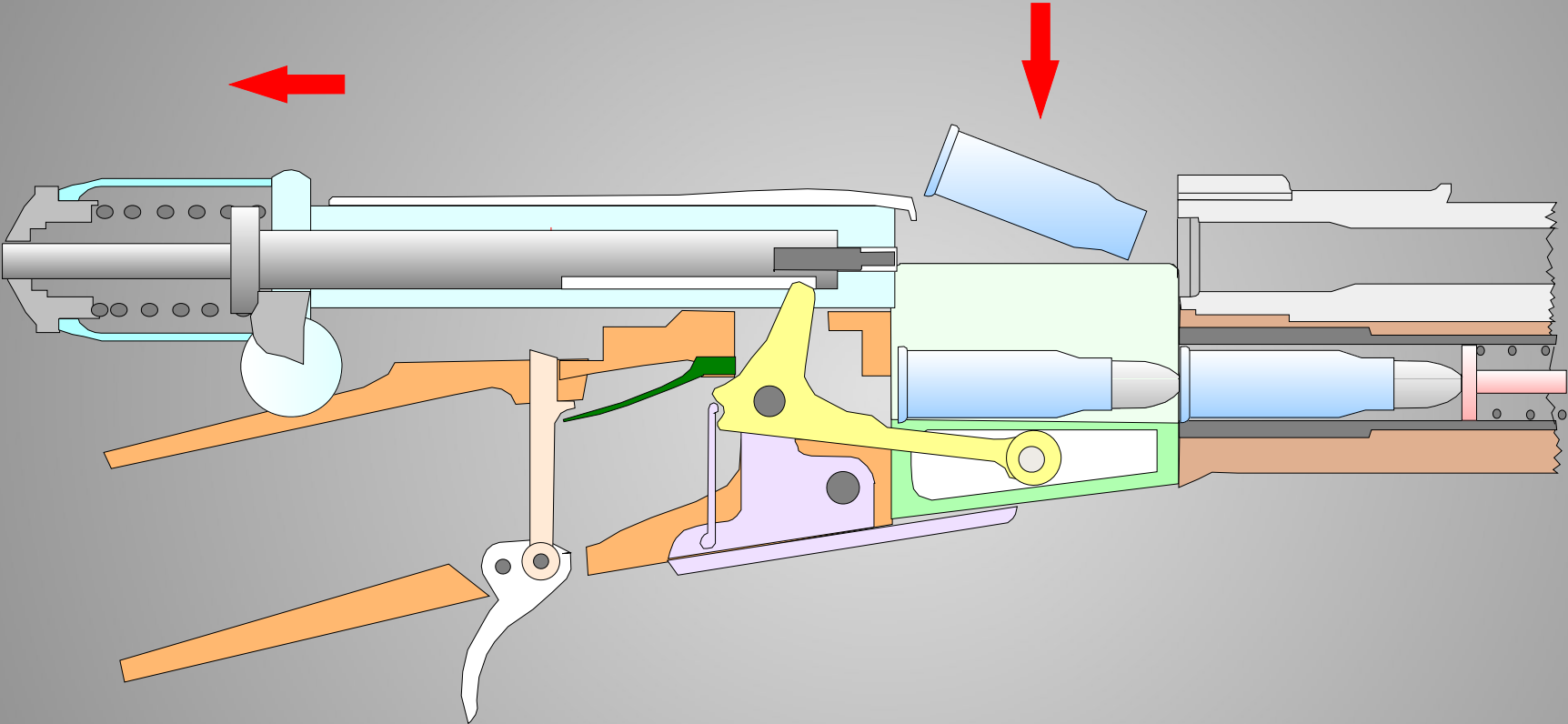
**Bang !!**



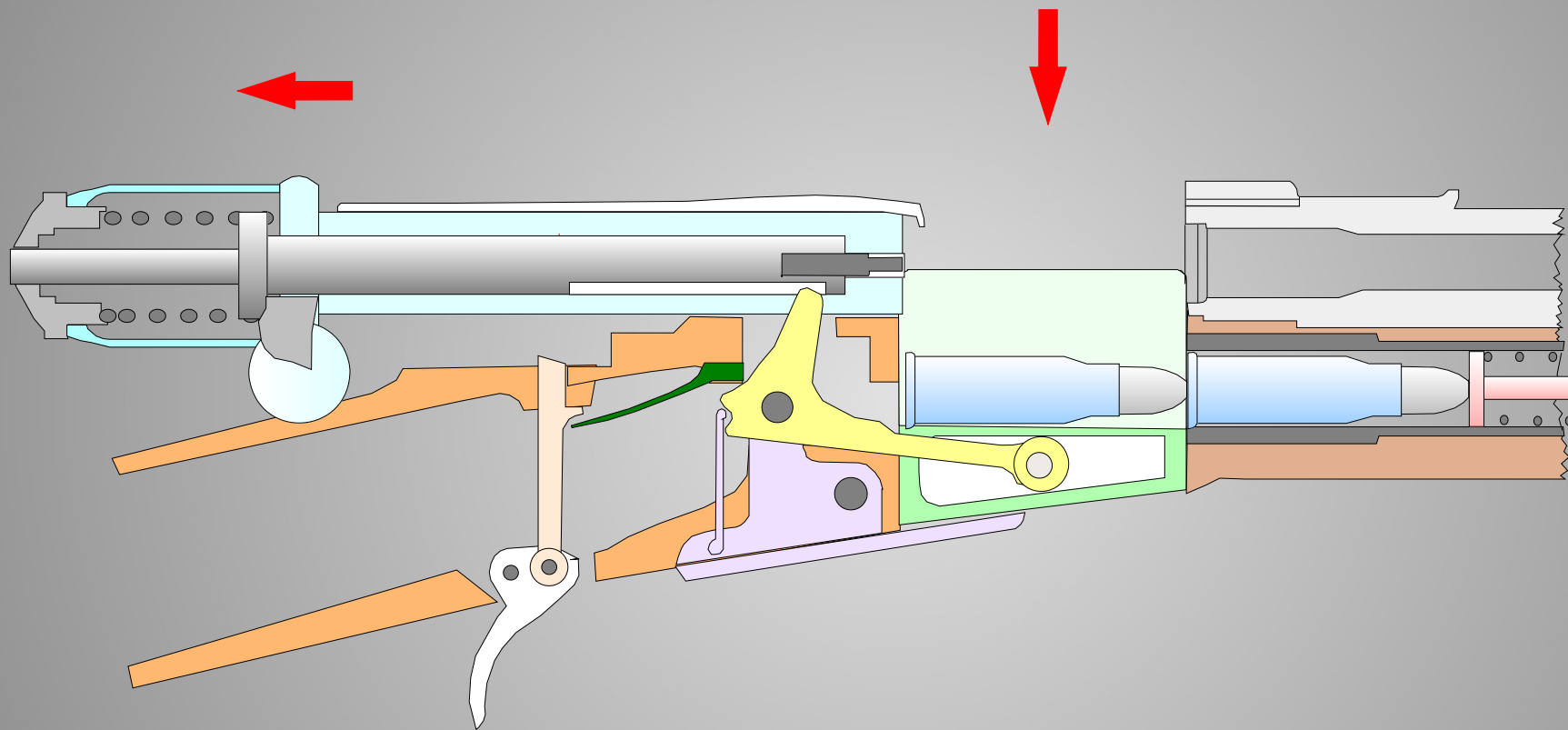
# **Reload Rifle**



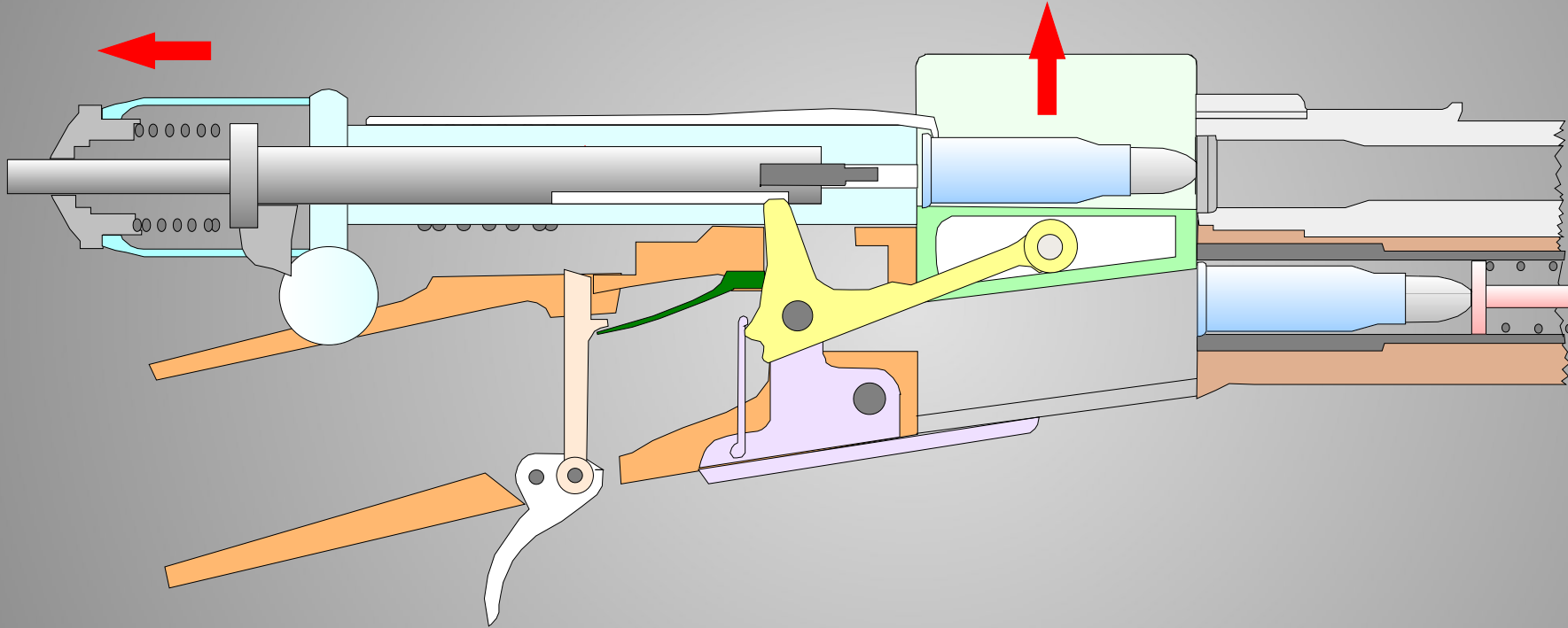
**Cartridge case is ejected by opening the lock**



**New cartridge is pushed into carrier**



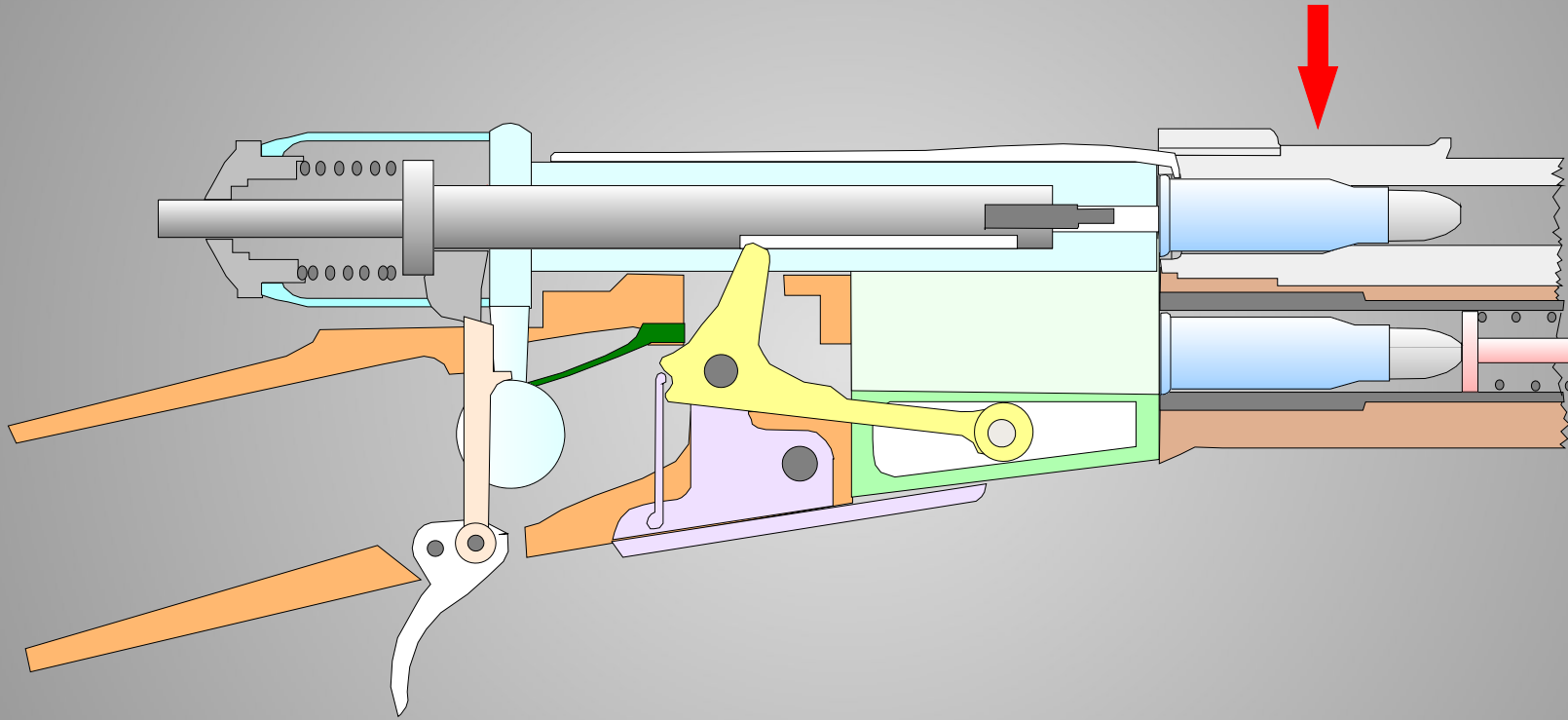
# Retention of ignition rod







# Rifle again ready for firing



**End**