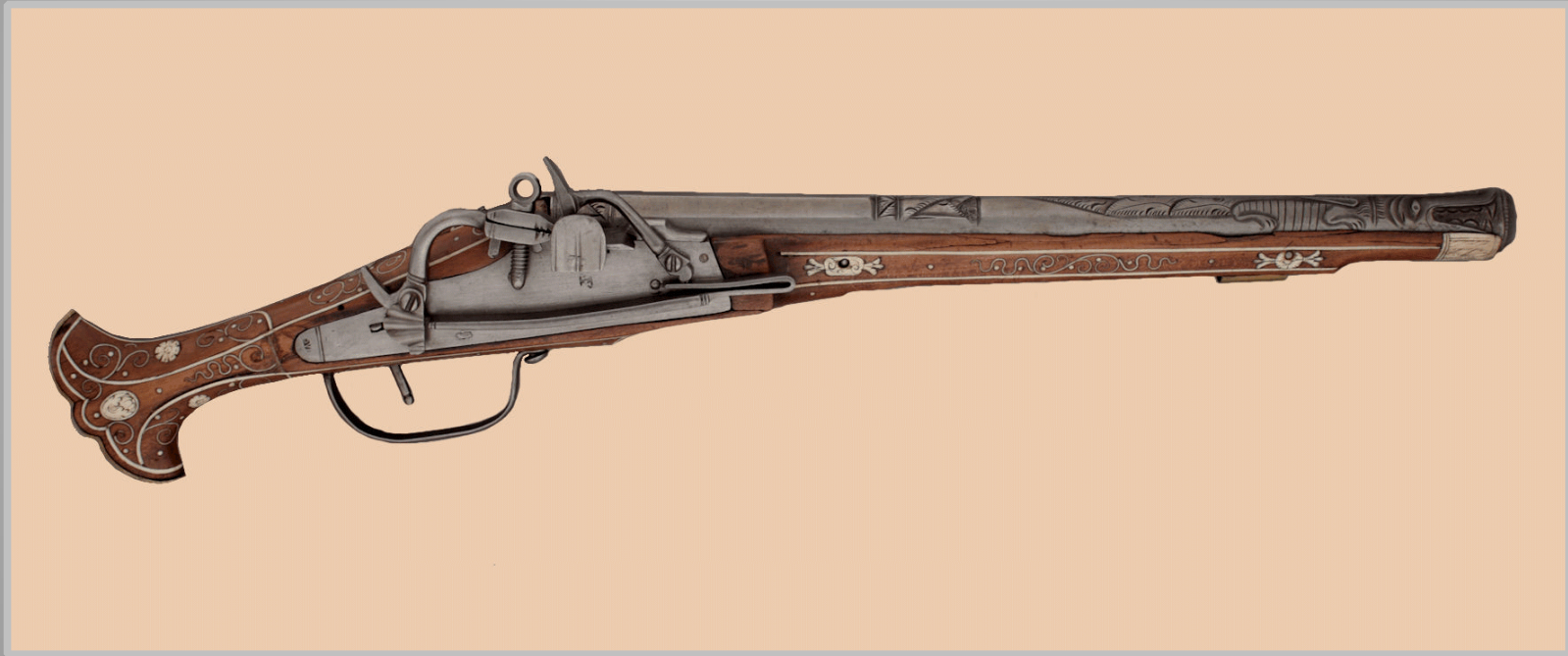
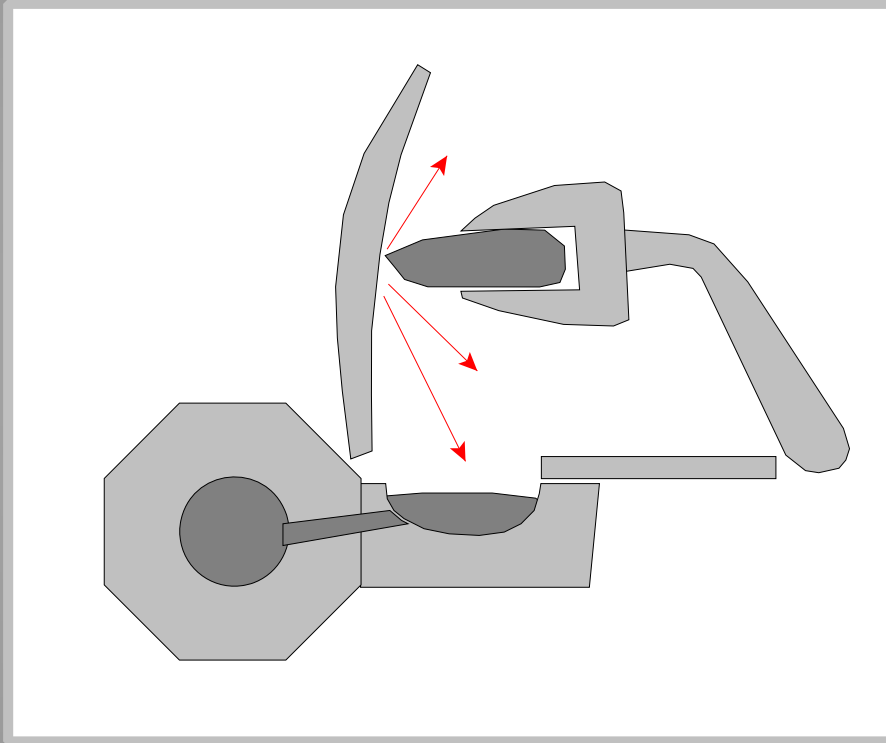


# Impact Spark Ignition

Pistol with Spanish Snaphance Lock, ca. 1550

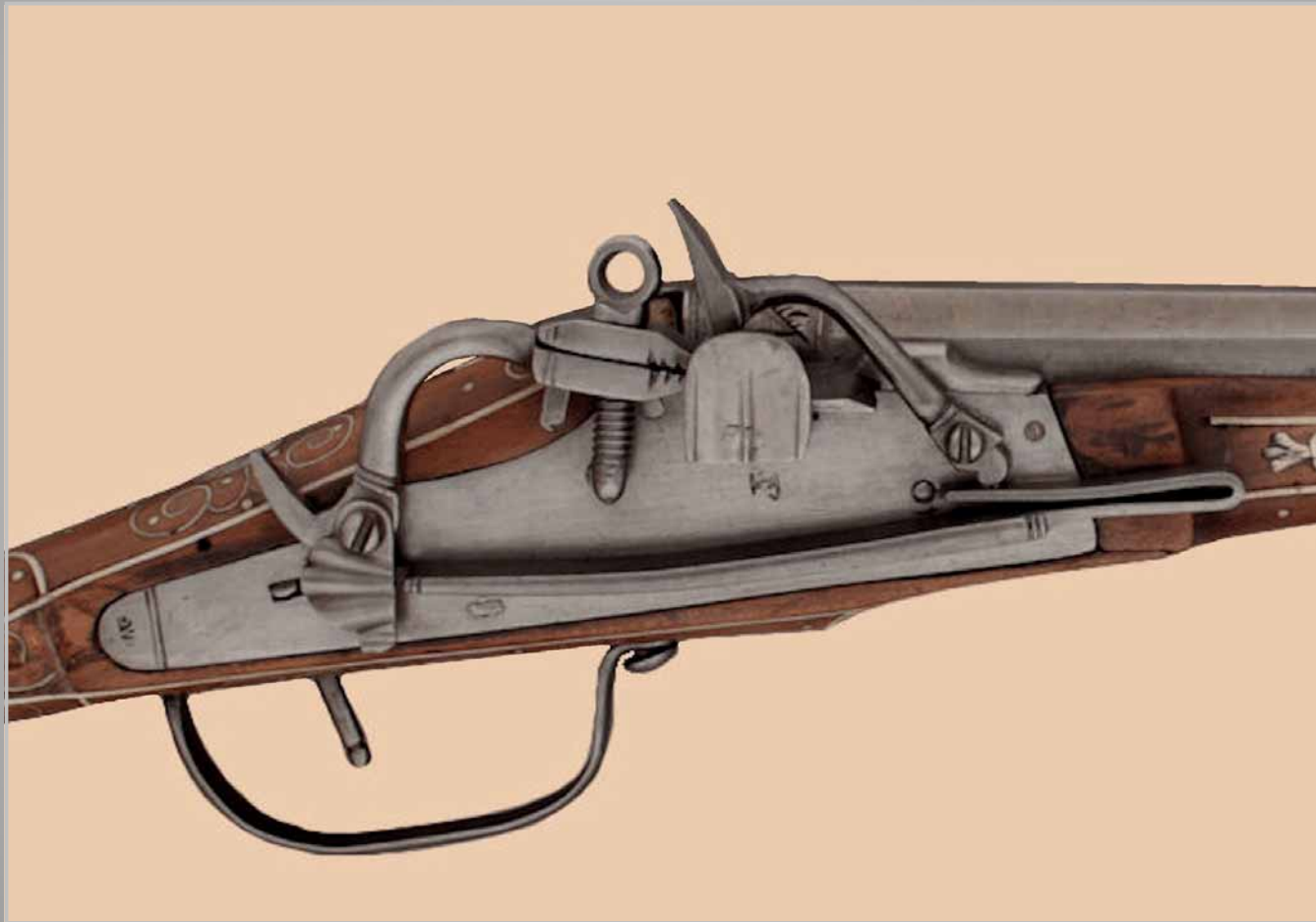


# Conception of Impact Spark Ignition

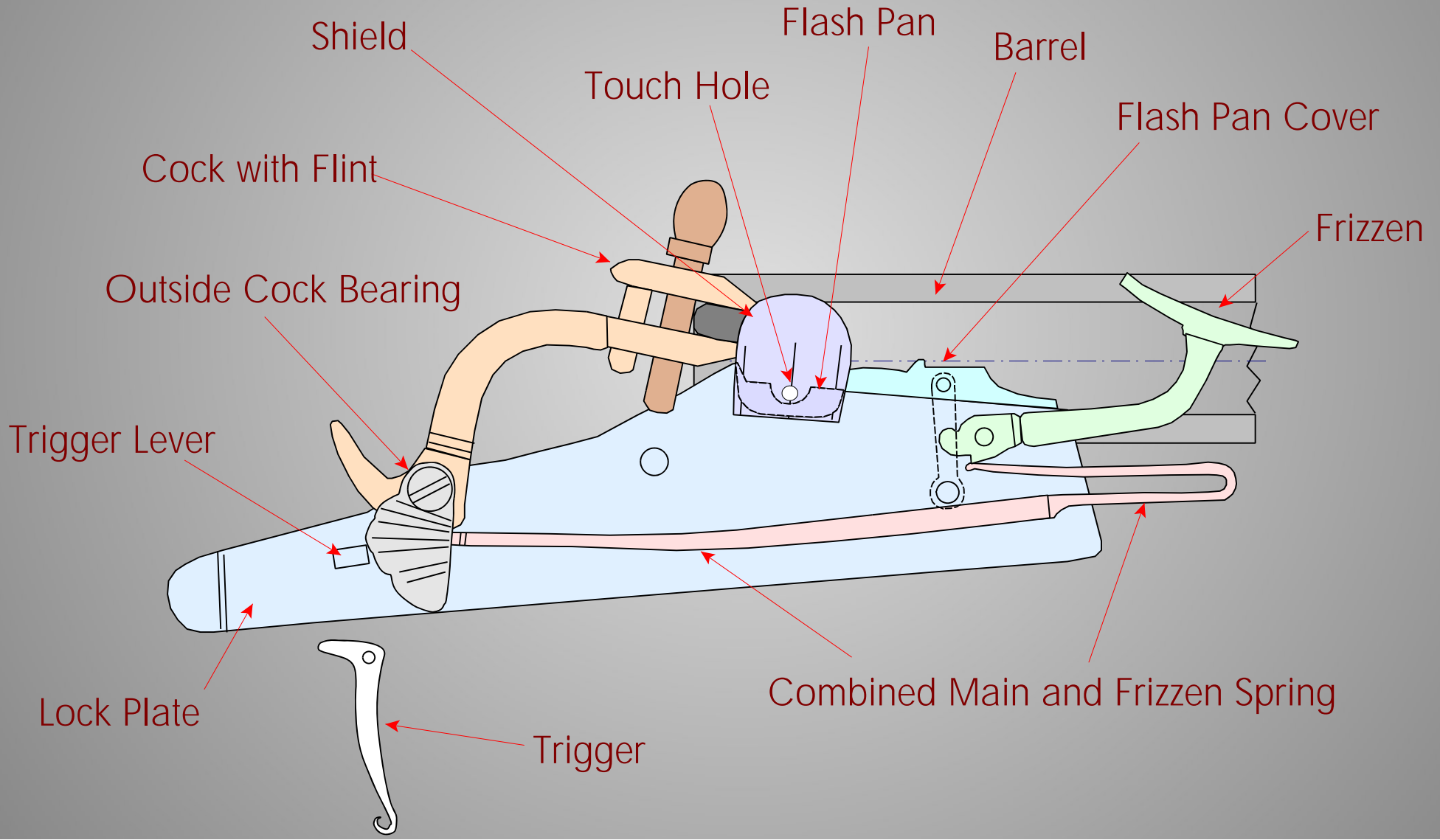


E. The snaphaunce lock has a flash pan and a cock with a locked-in flint. The cock is set counter-clockwise and held back with a locking mechanism. At the front of the lock, is a pivoting part, the frizzen with hardened steel plate. In the ready position the cam and spring will position the frizzen over the flash pan in an almost vertical position. When shooting, the cock is released, the flint swings downwards, hits the frizzen and creates spark. They fall onto the priming powder in the flash pan and ignite the load through the touch hole.

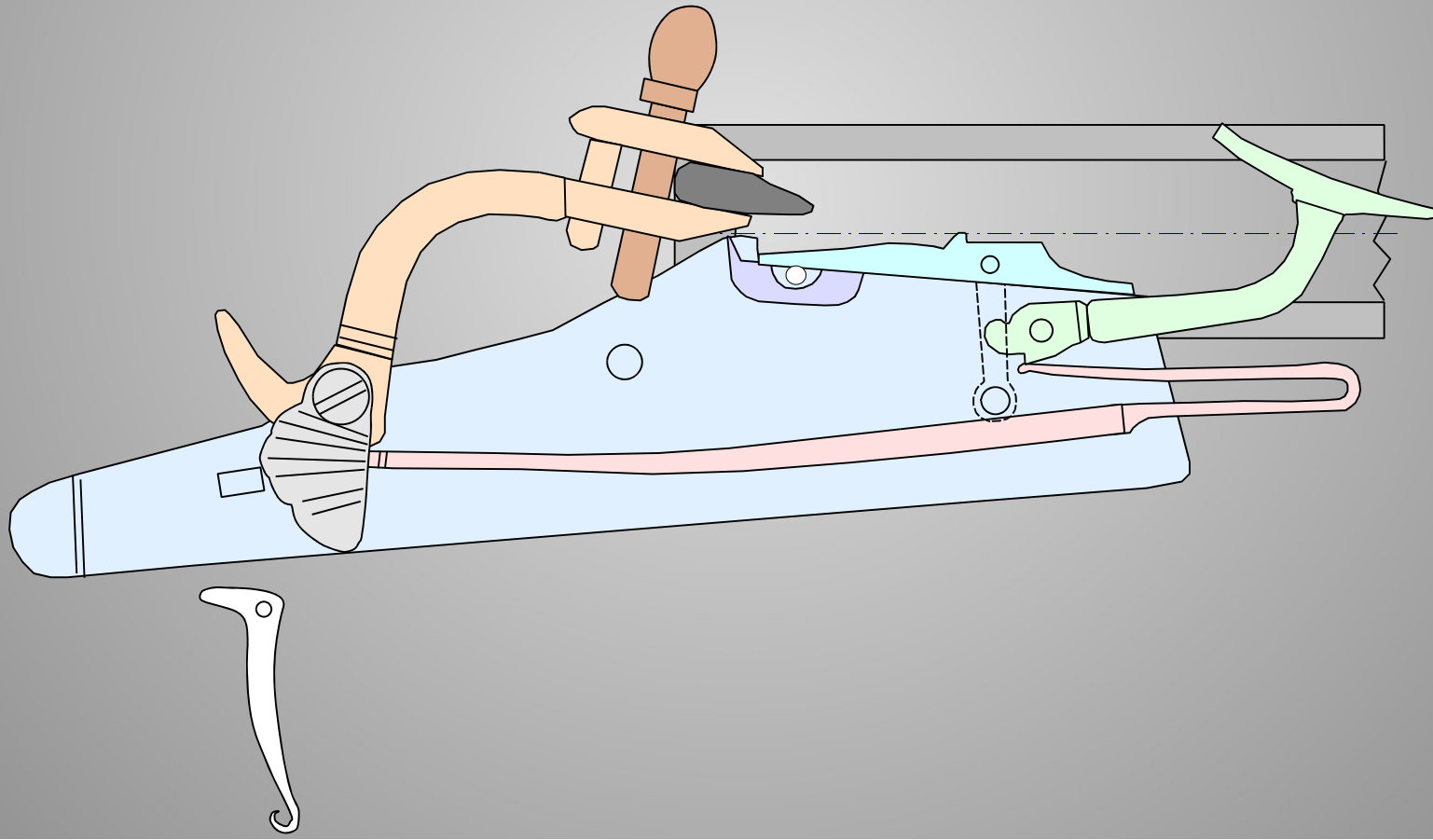
# Spanish Snaphance Lock, ca. 1580



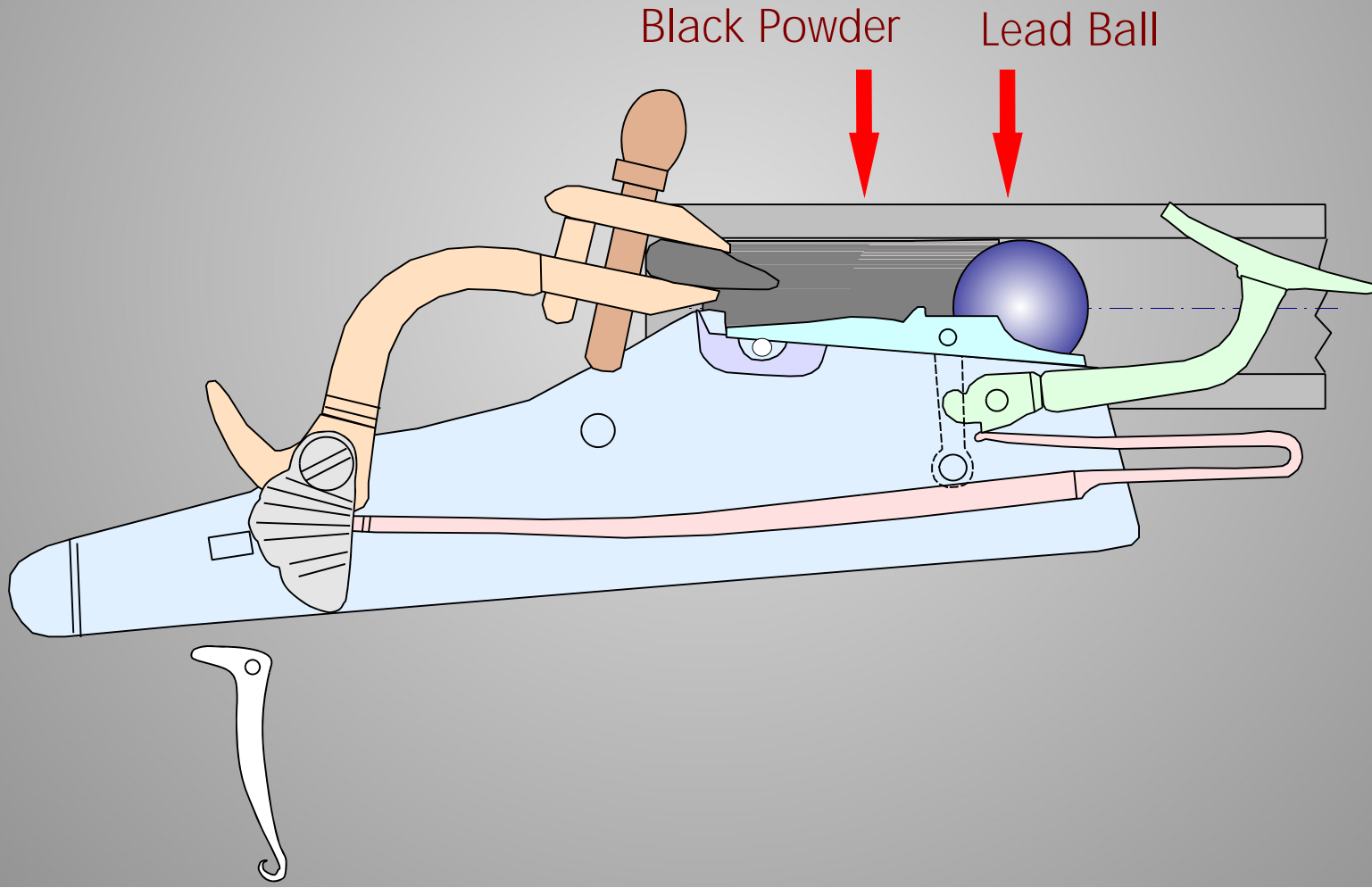
# Cross Section of Spanish Snaphance Lock



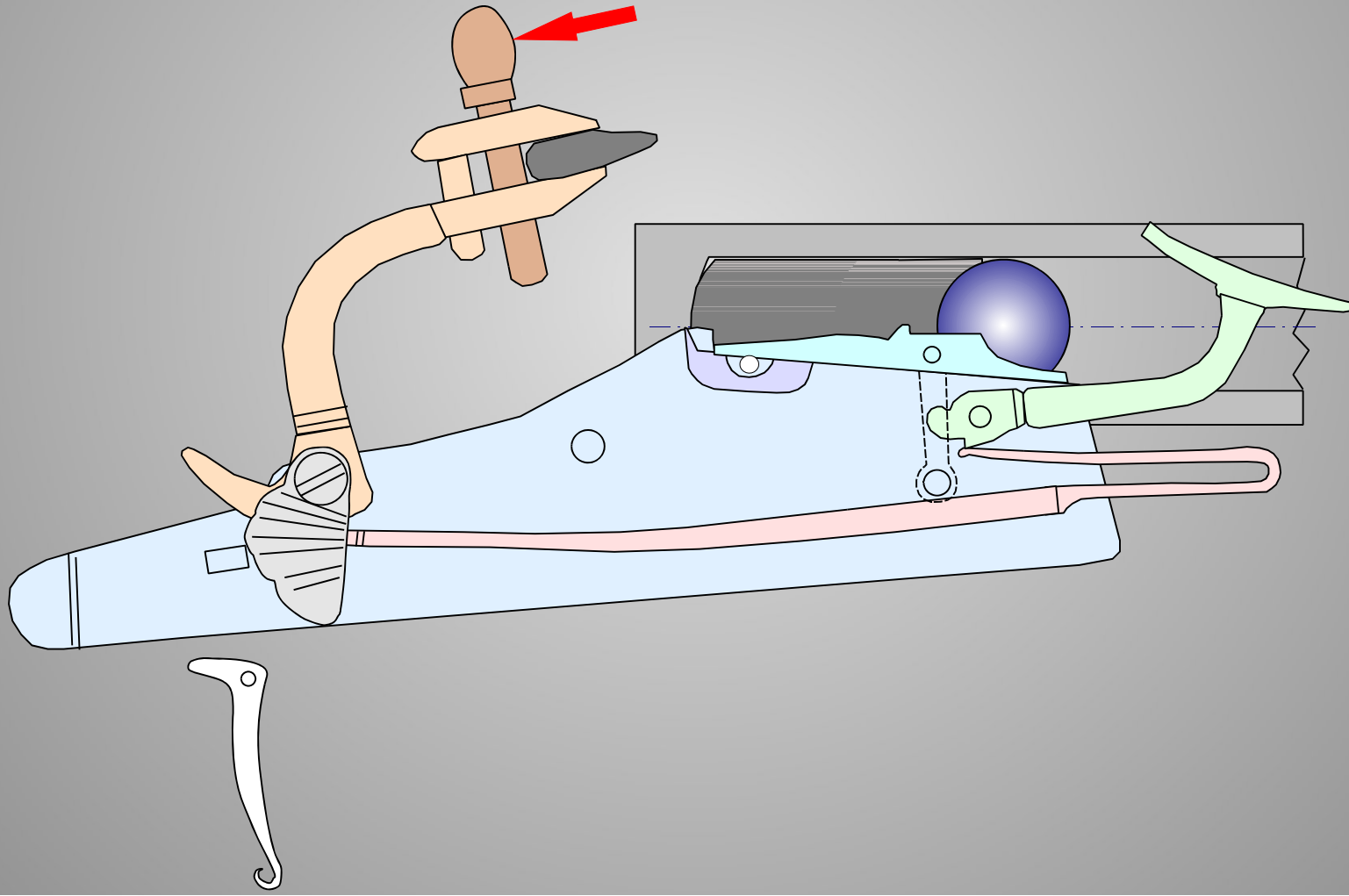
# Lock in released position



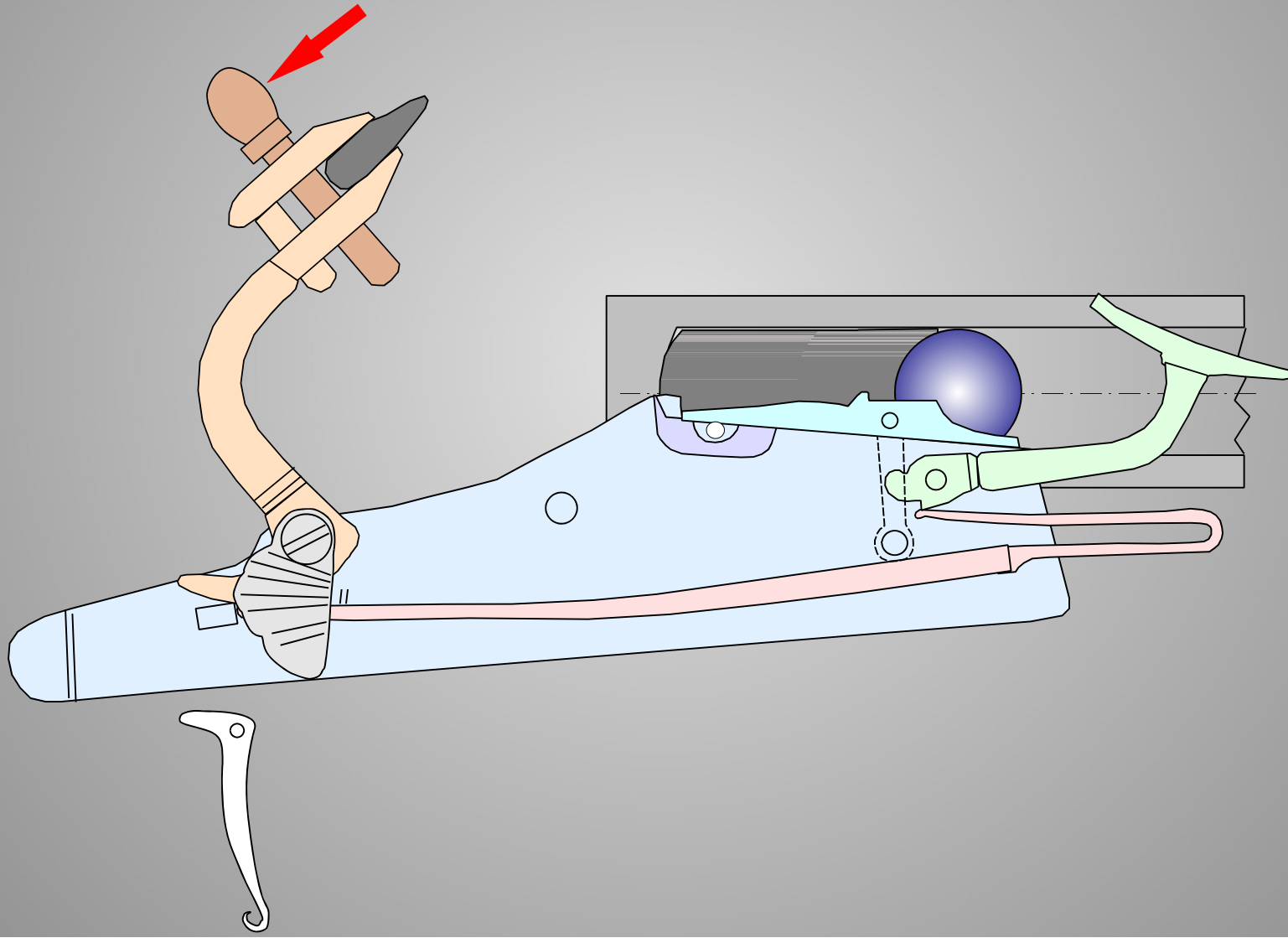
# Loading of the barrel



# Cocking the cock

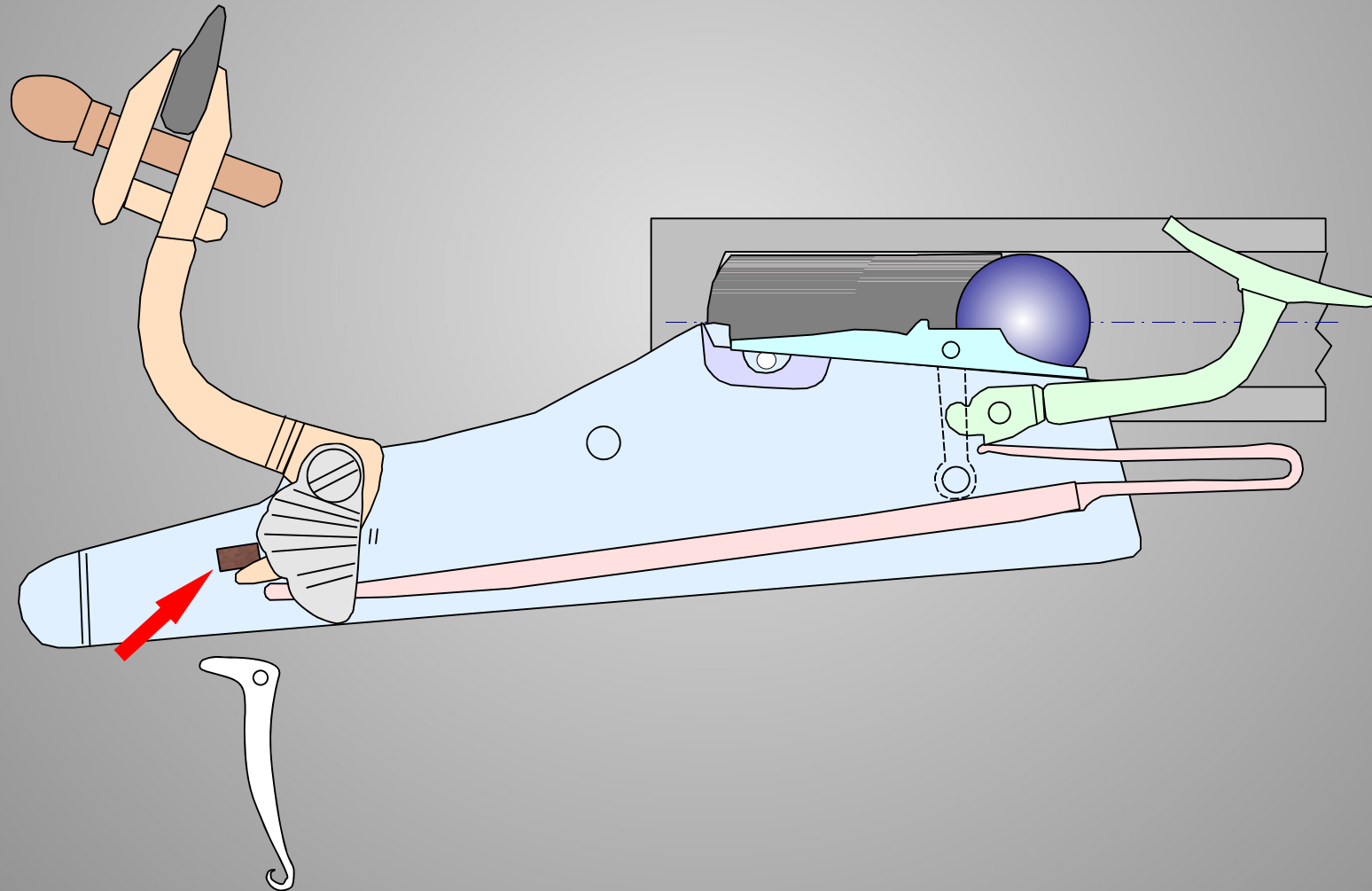


# Cocking the cock

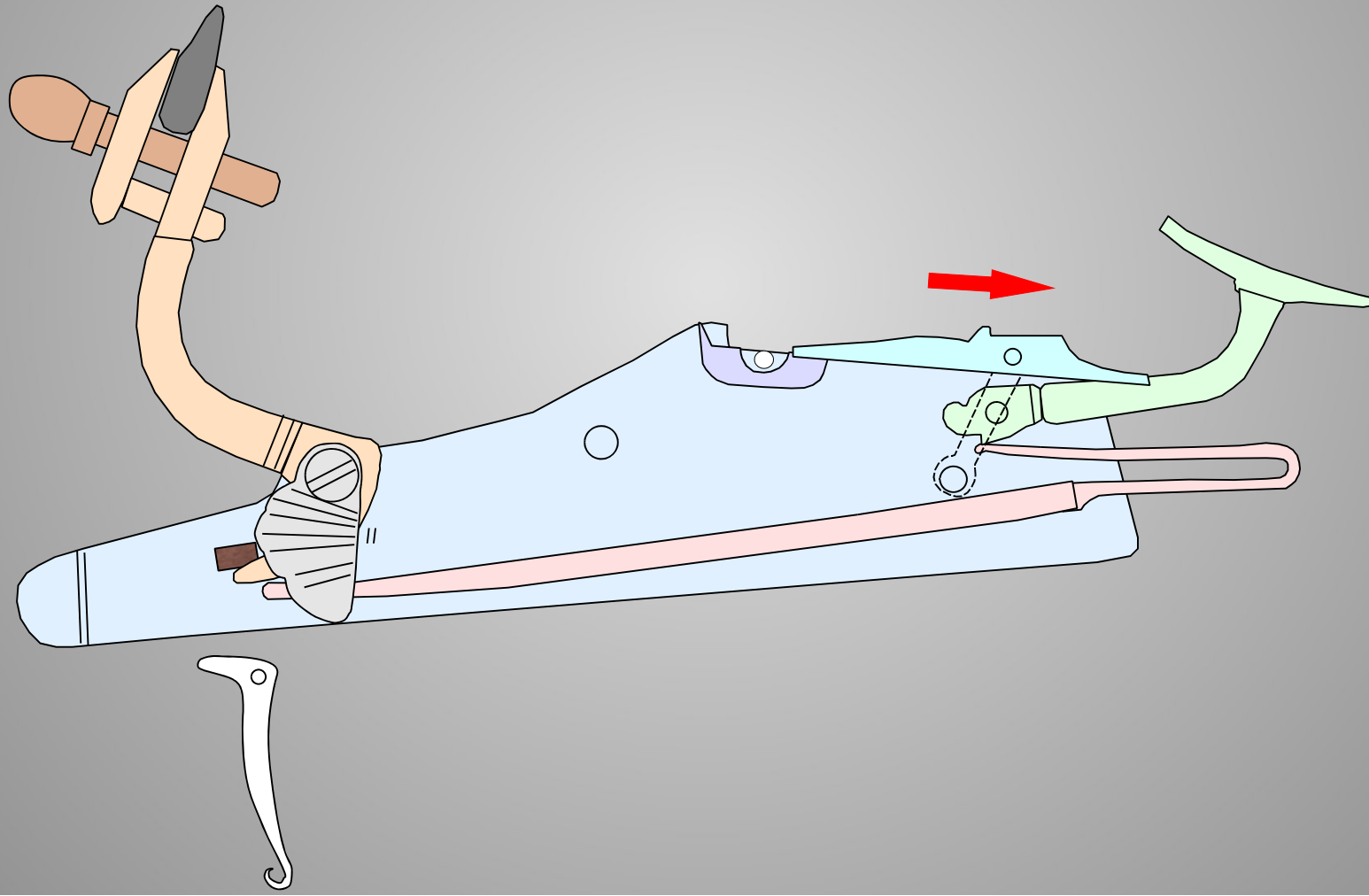




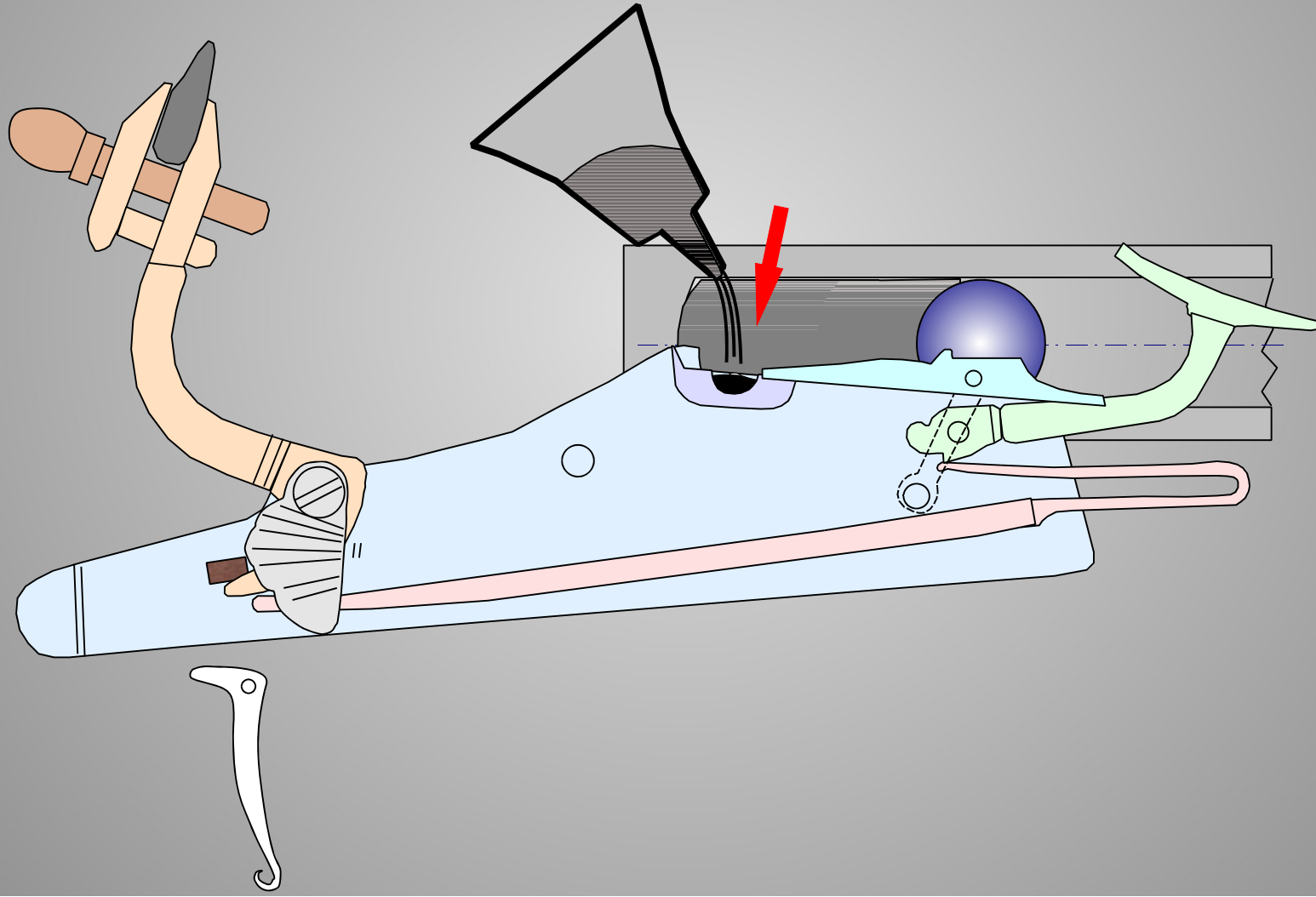
# Trigger bar holds cock in fully cocked position



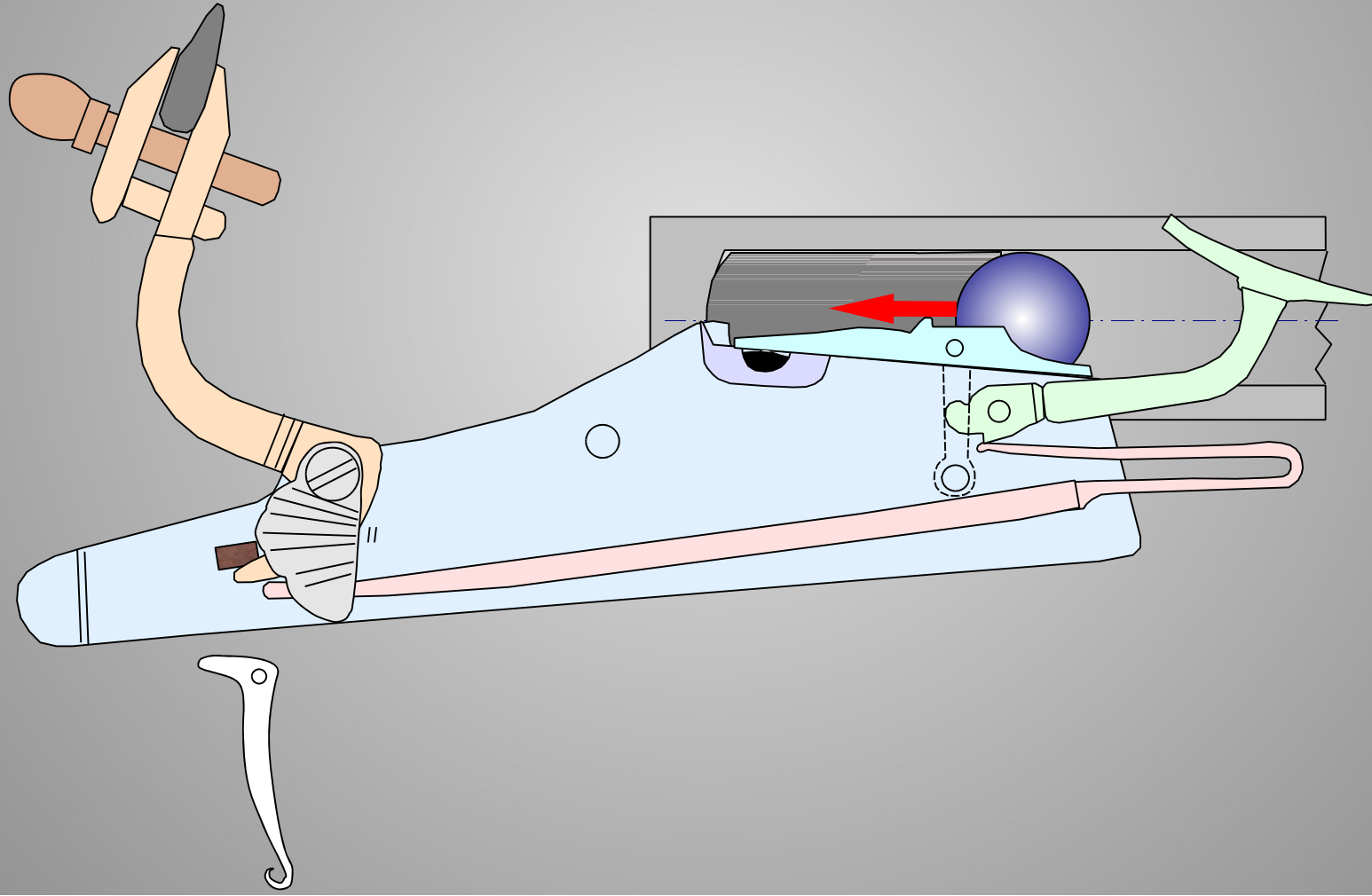
# Open flash pan cover



# Pour primer into flash pan

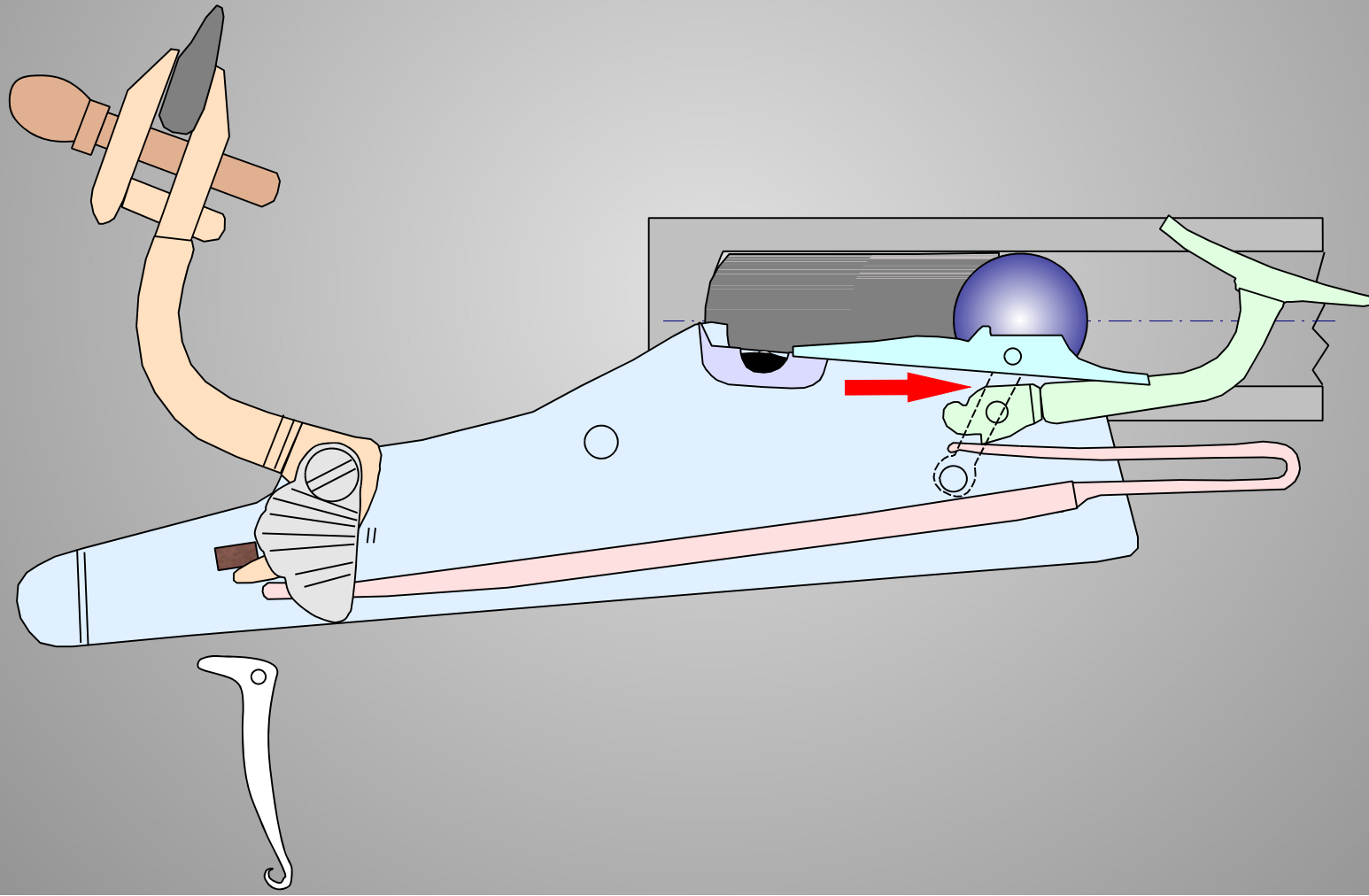


# Close flash pan

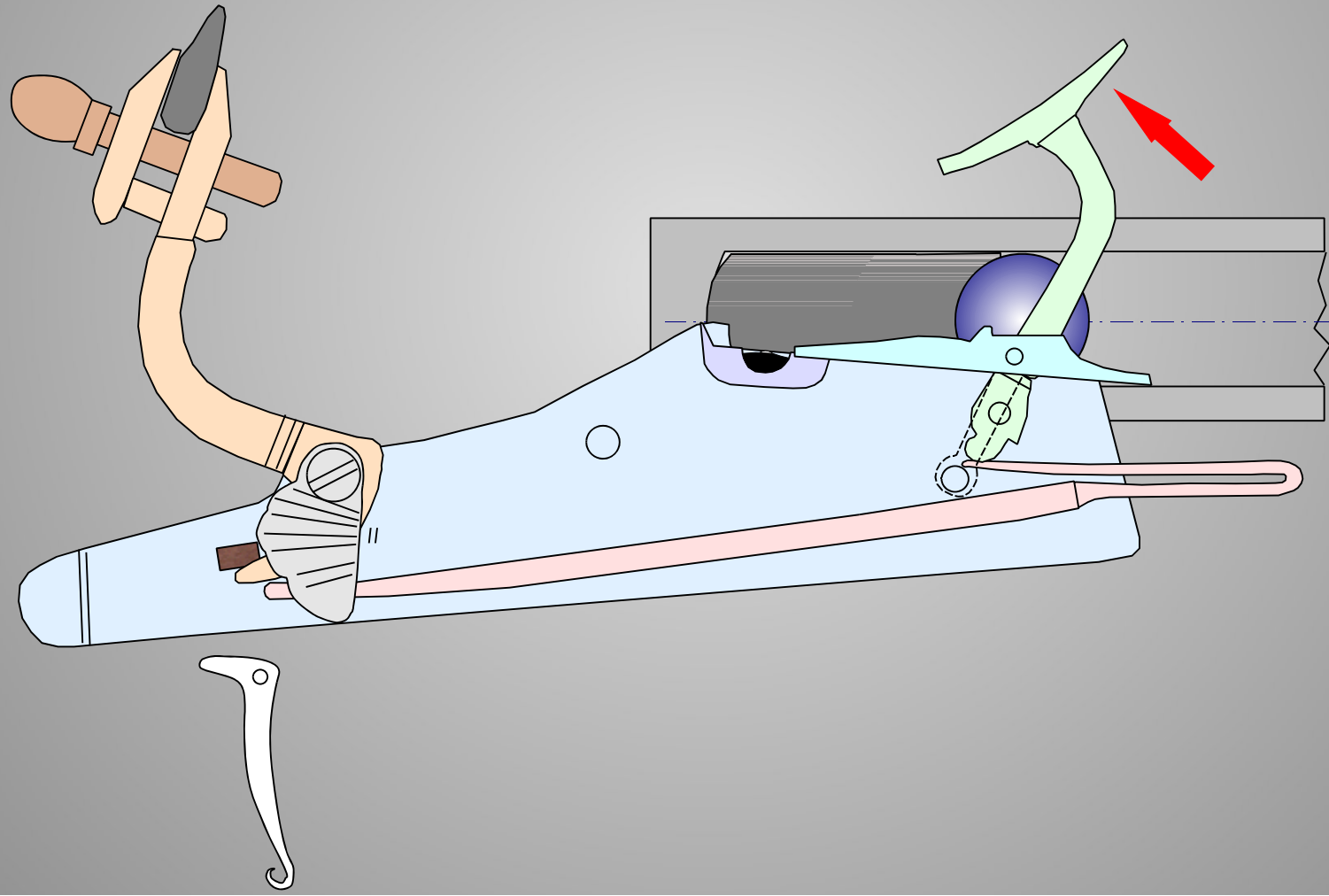


# **Firing of the snaphance Pistol**

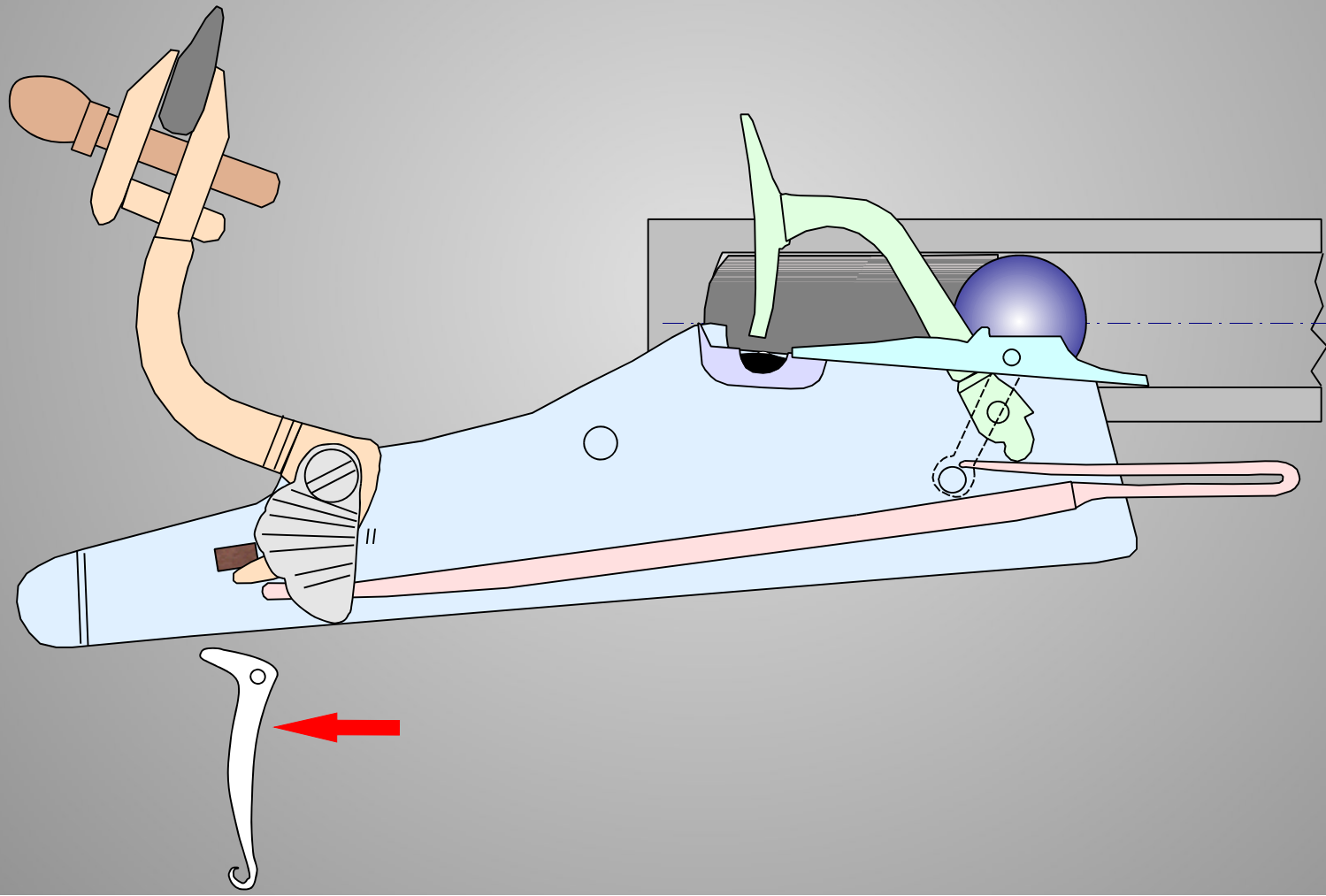
# Open flash pan cover



# Move frizzen over flash pan

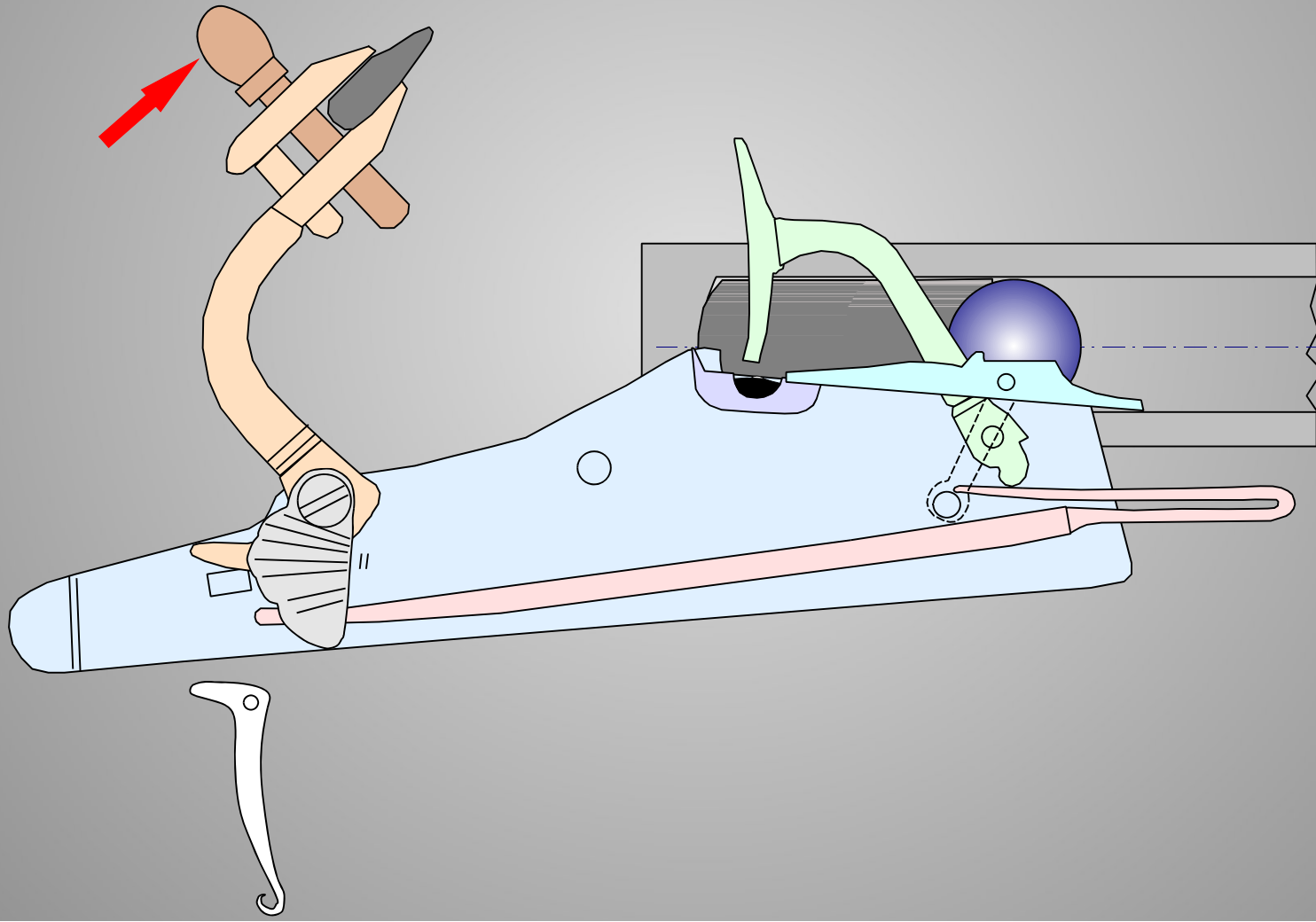


# Unlock cock by triggering

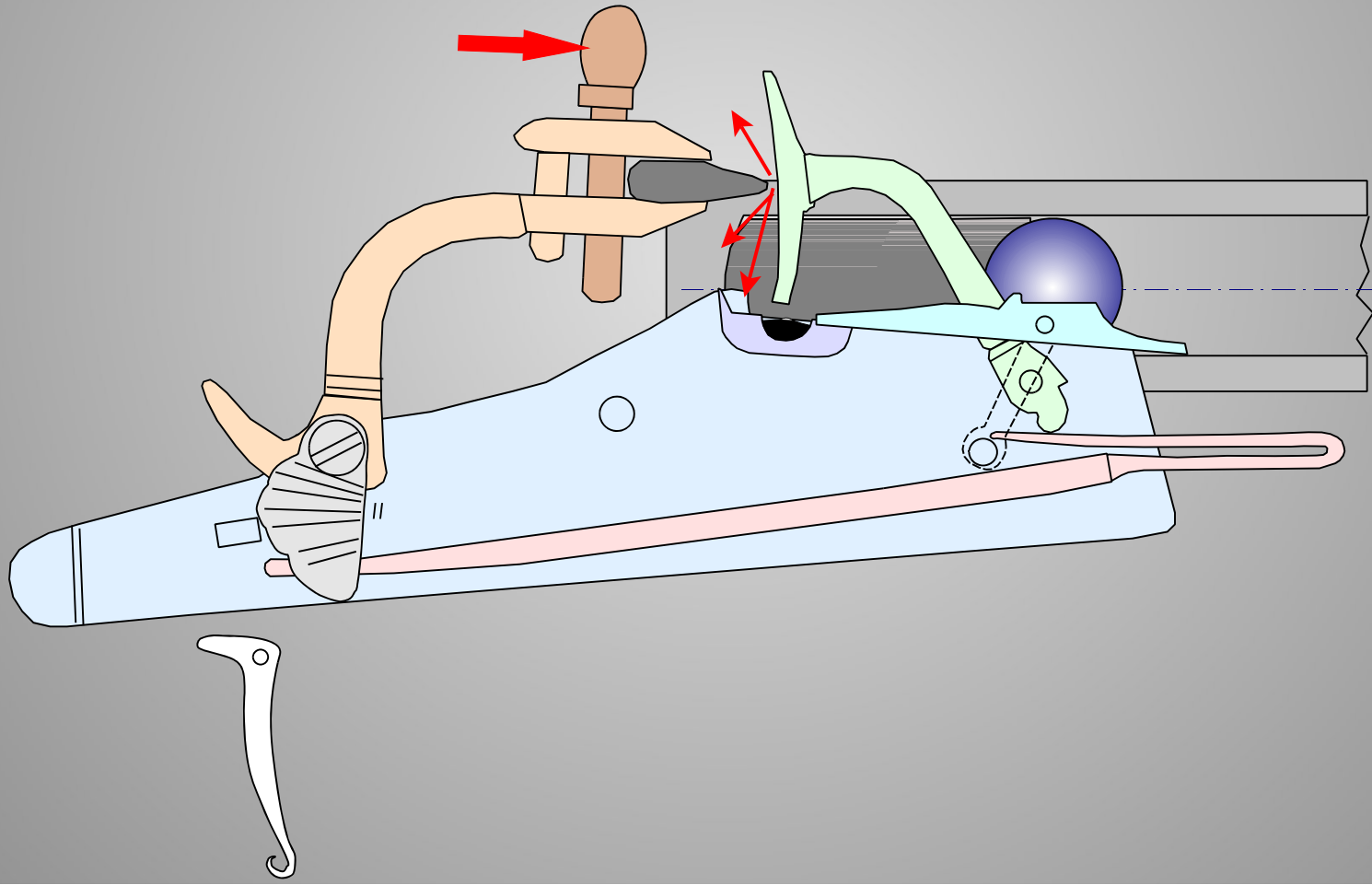




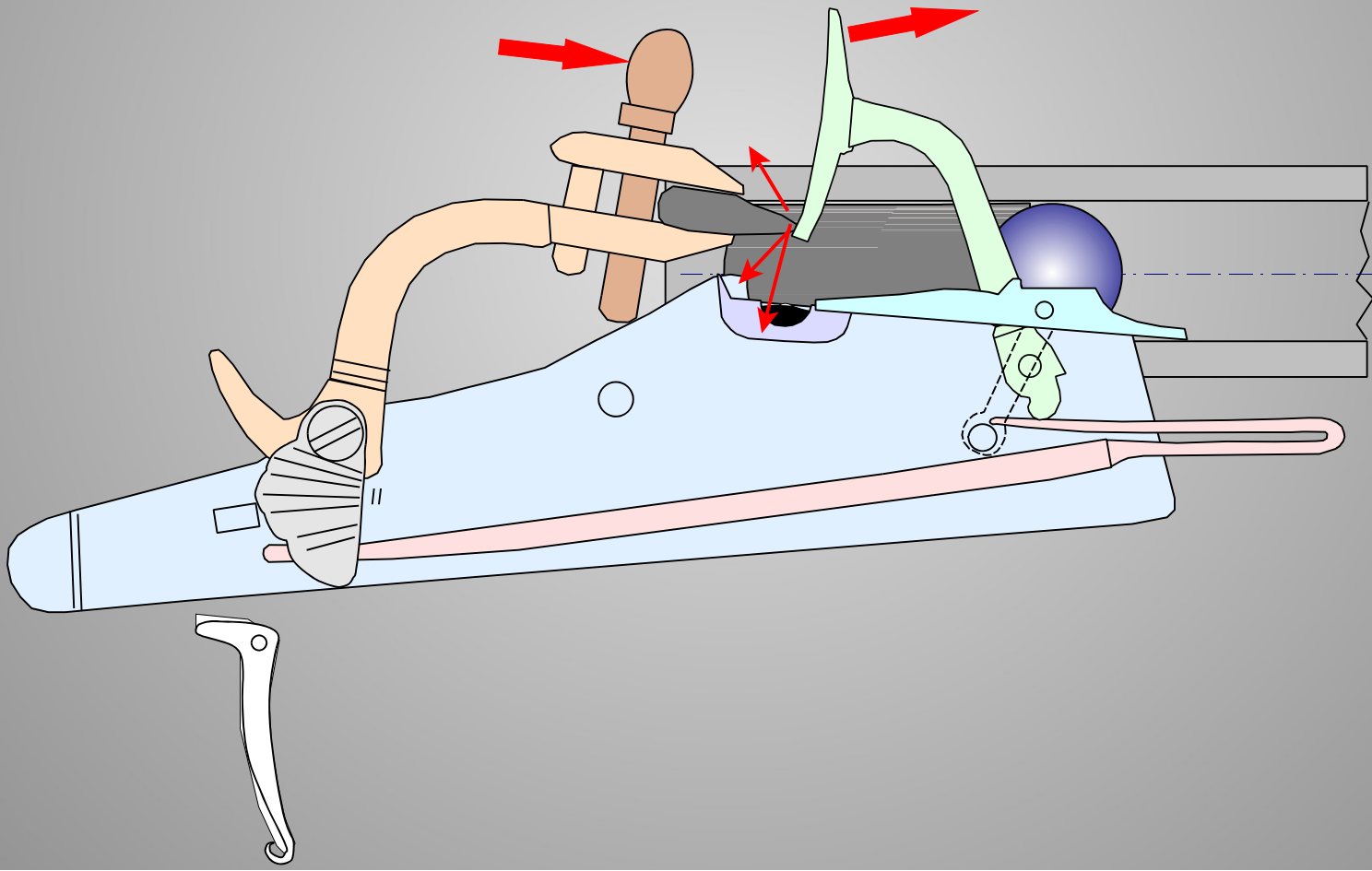
# Cock pivots toward frizzen



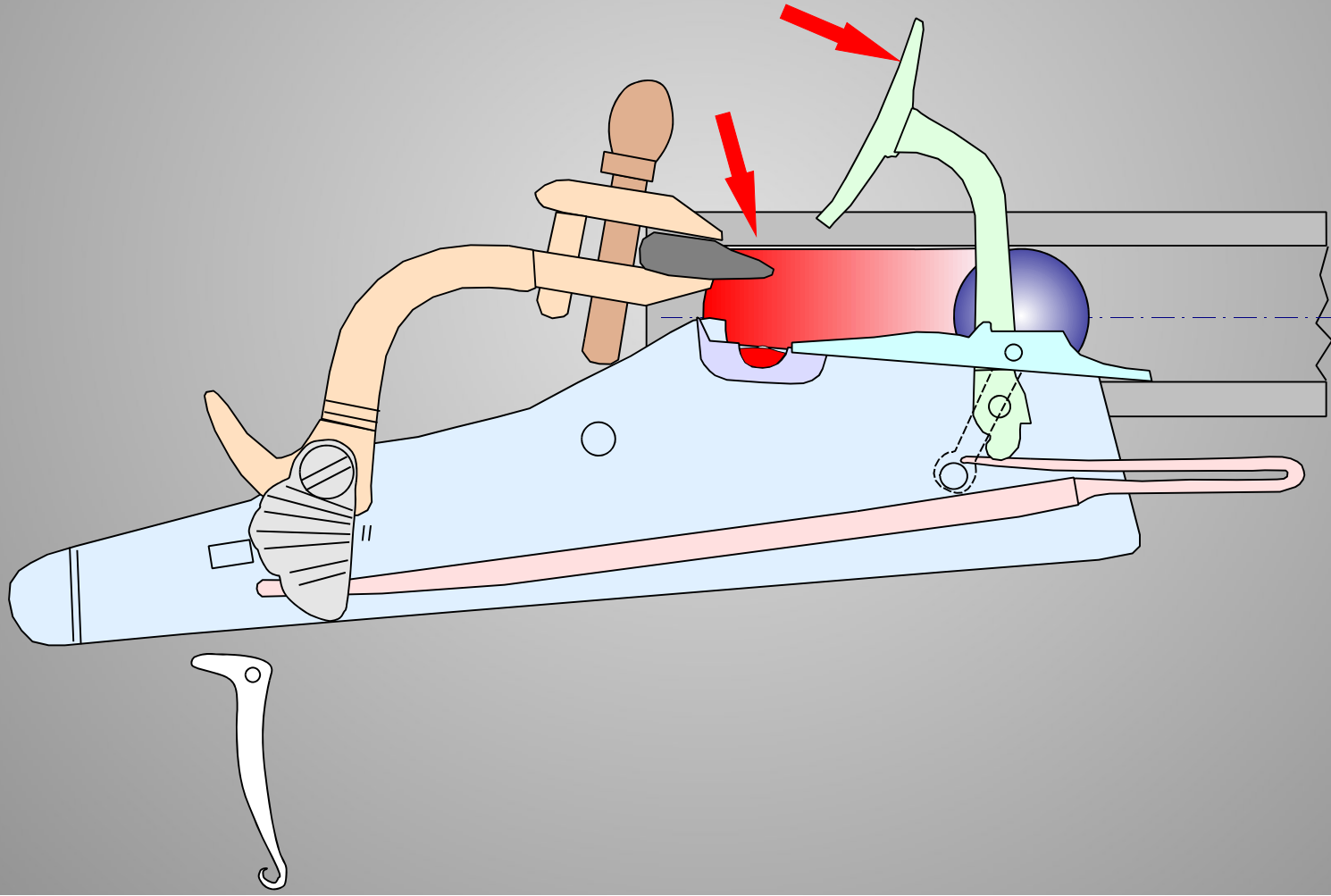
**Sparks are generated by impact of Flint on frizzen**



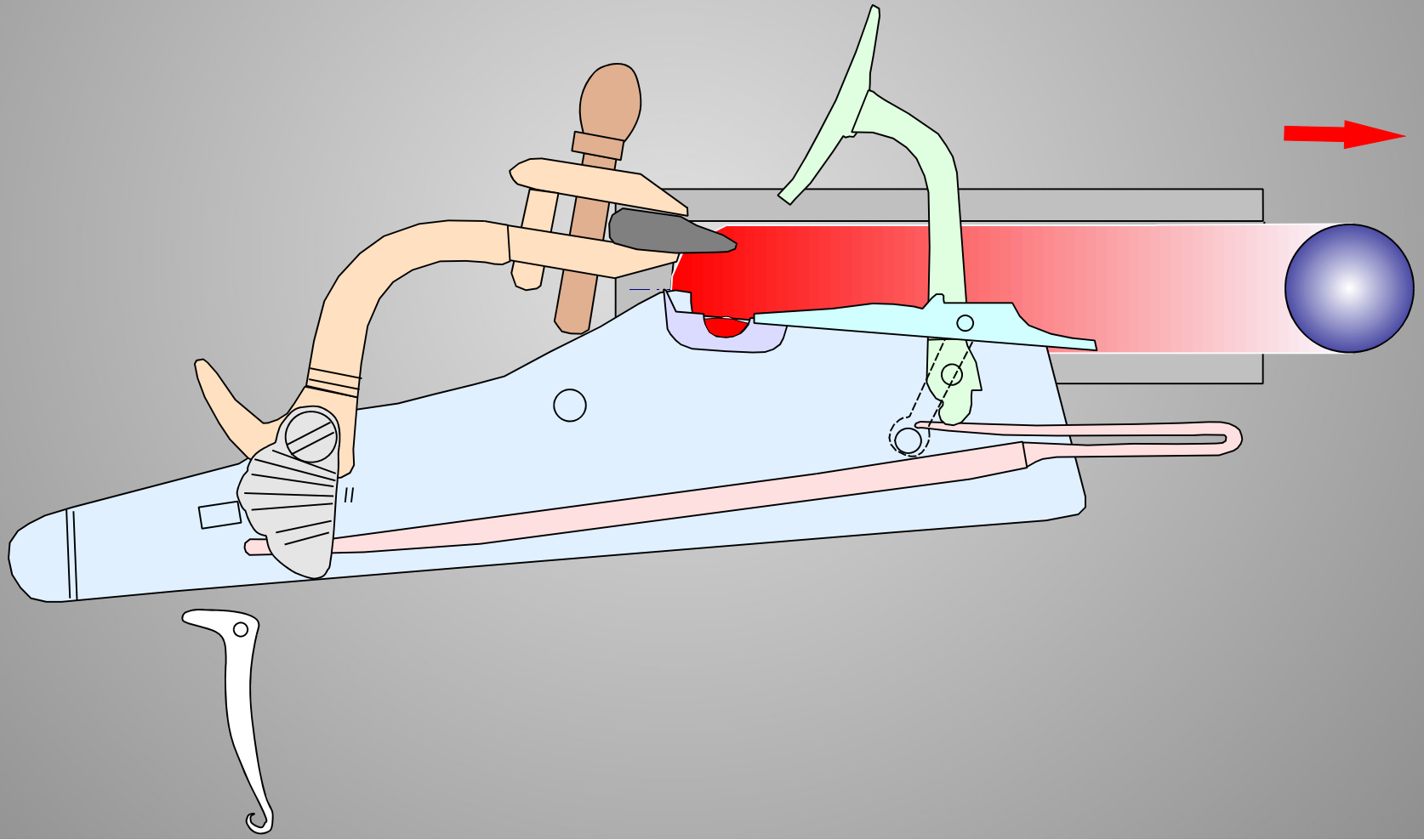
# Frizzen is being pushed back



# Sparks ignite black powder charge



**Bang !!**



**End**