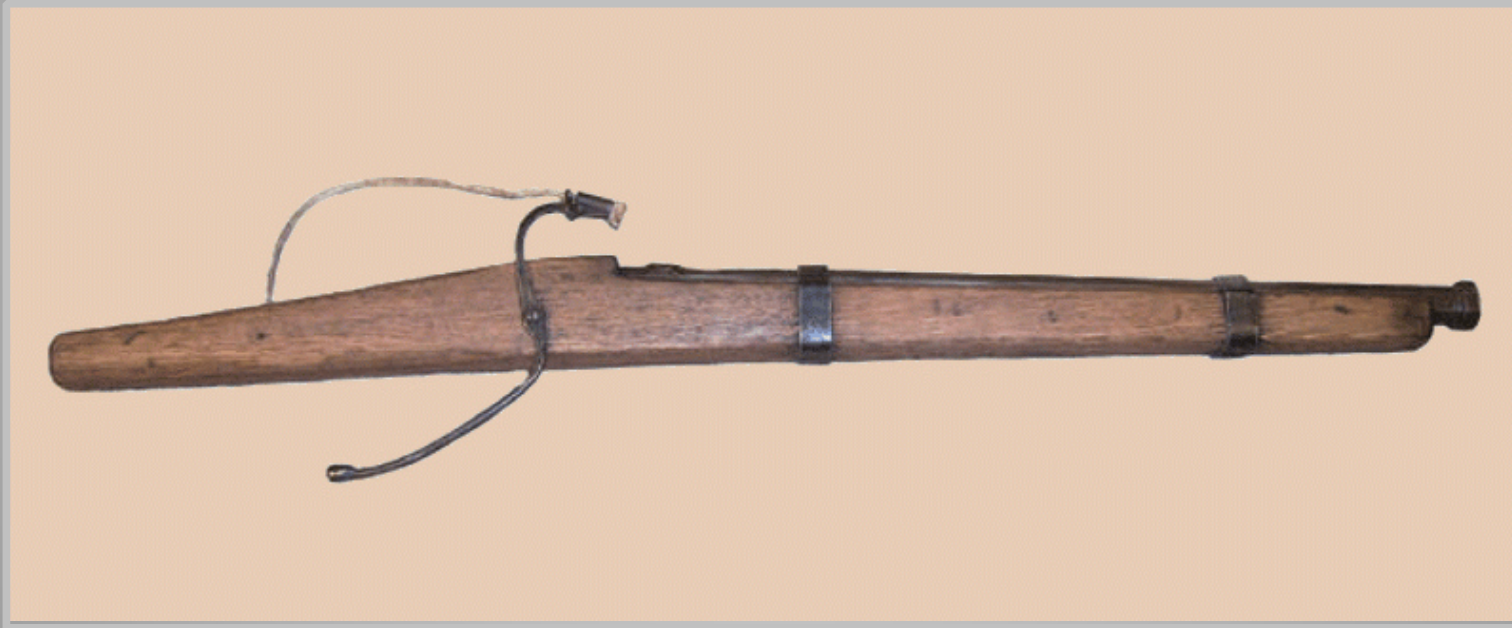


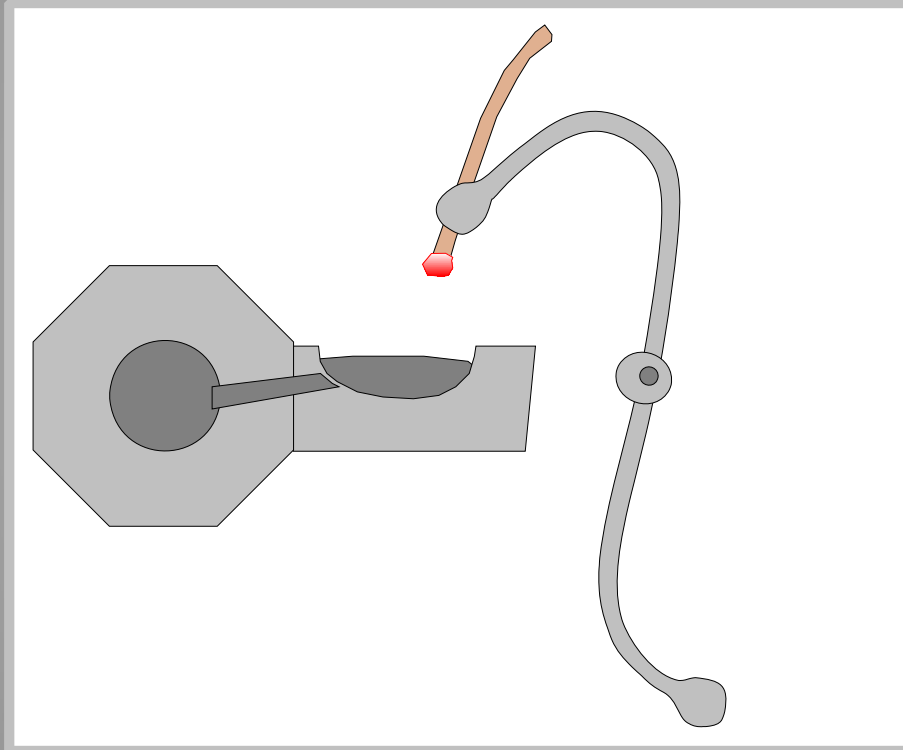
Match Glow Ignition

Early Serpentine Hand Gun, ca. 1500

(Replica)



Concept of Serpentine Match Ignition



A finger thick hemp rope dipped in lead sugar and then dried, is clamped into the forks of an S-shaped serpentine with a pivot in its center.

After the loading of the barrel with black powder and a lead ball, primer is put into the flash pan.

With an external fire or embers the tip of the match is brought to glow.

By pulling the lower end of the serpentine the glowing end of the match touches the primer and ignites the charge.

Serpentine Match Lock

(Replica)

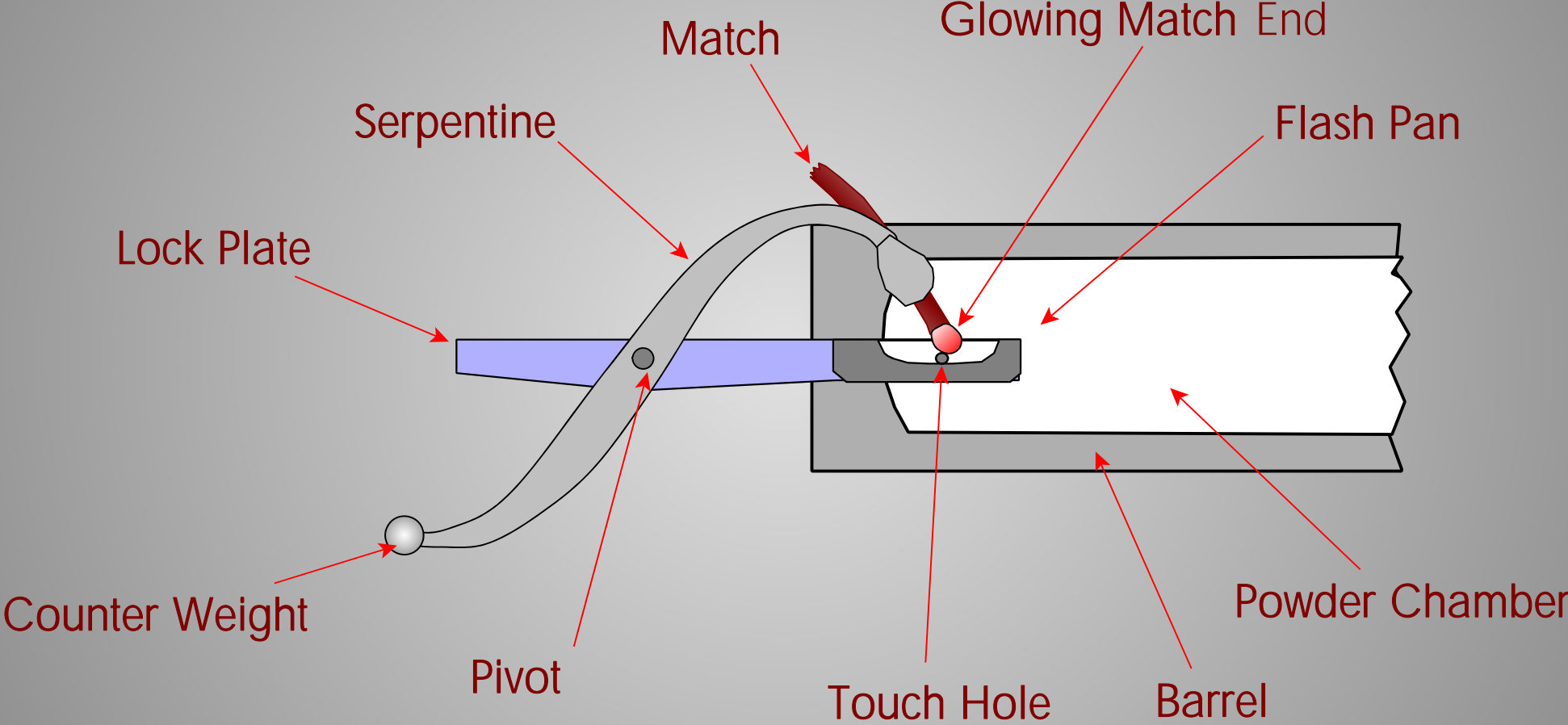


Early Match Lock Hand Gun

(Replica)

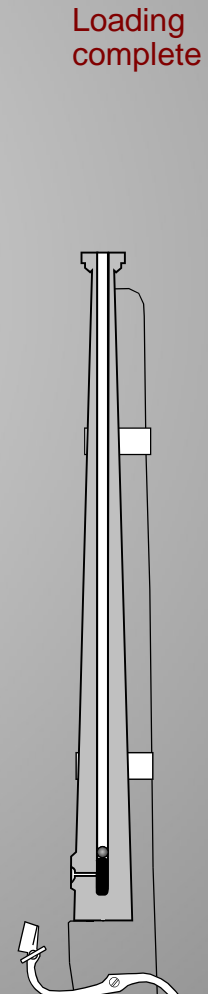
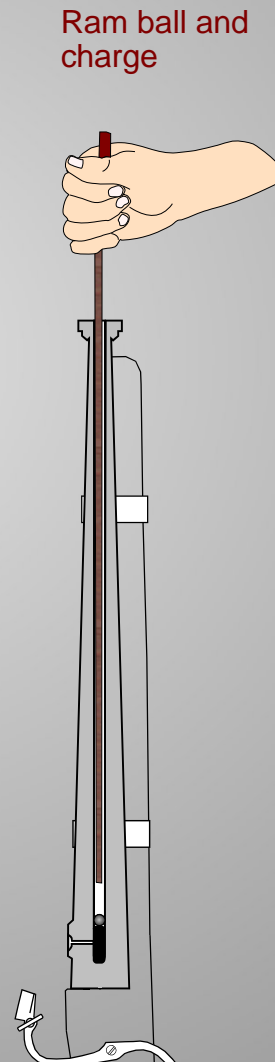
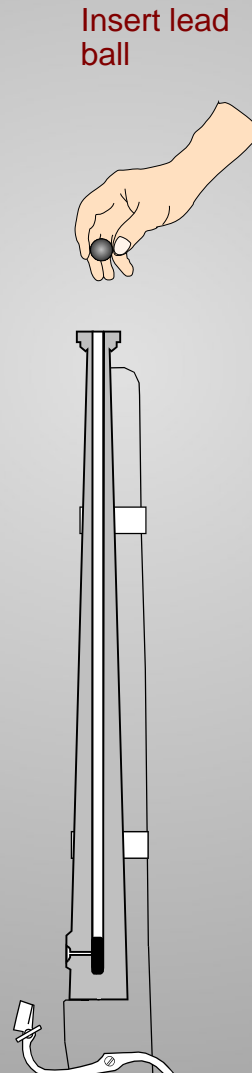
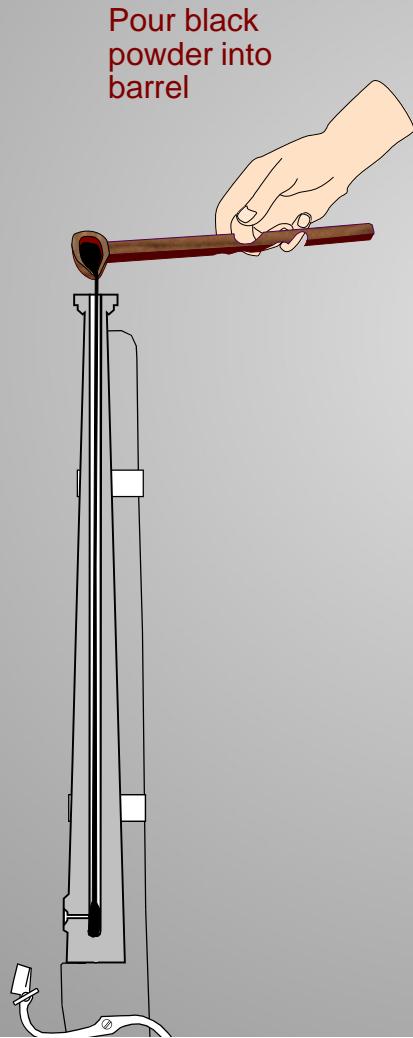
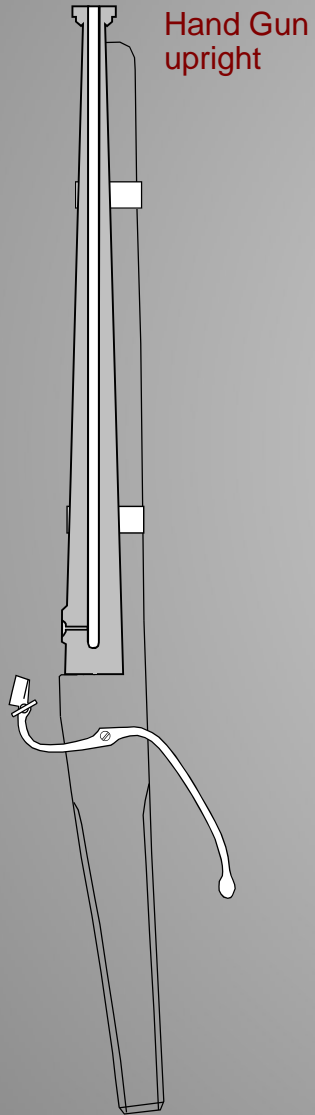


Cross Section of Ignition Mechanism

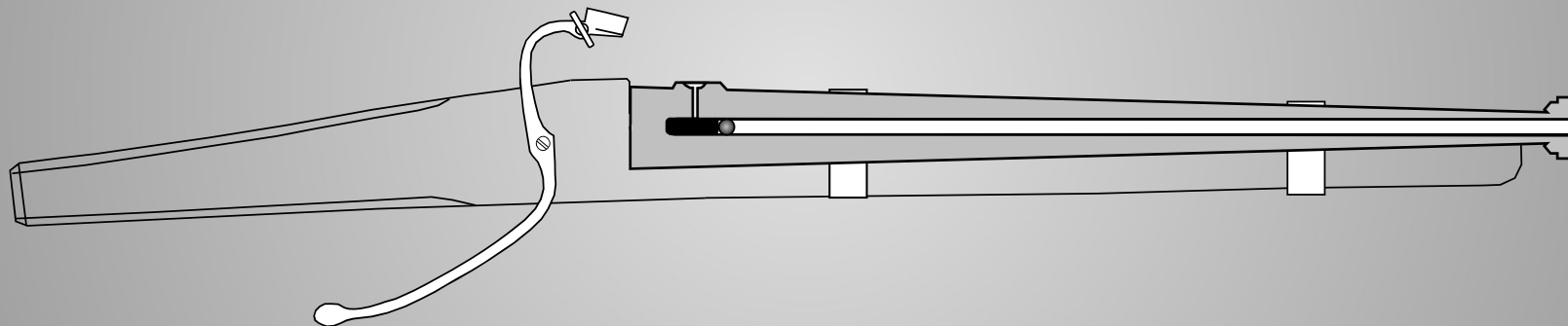


Loading the Hand Gun

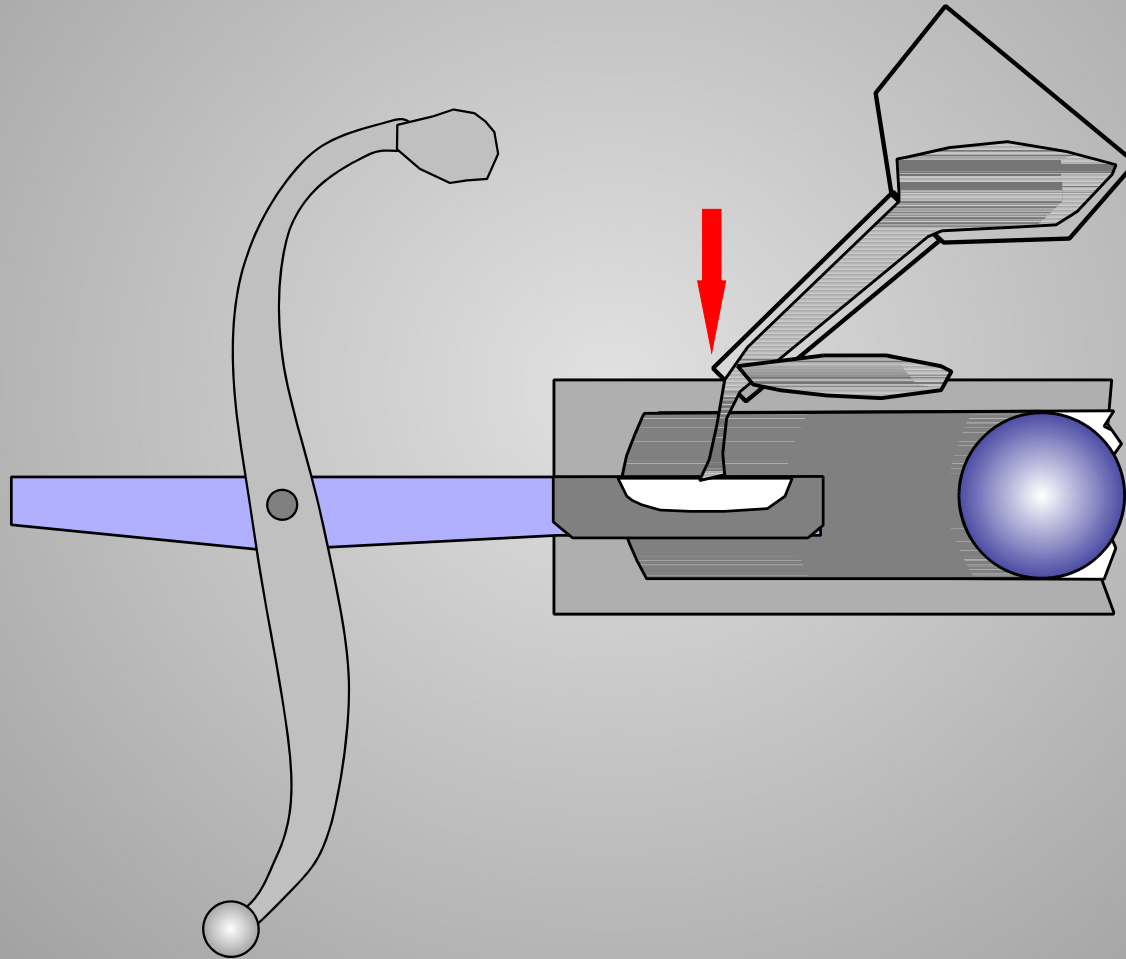
Loading Steps



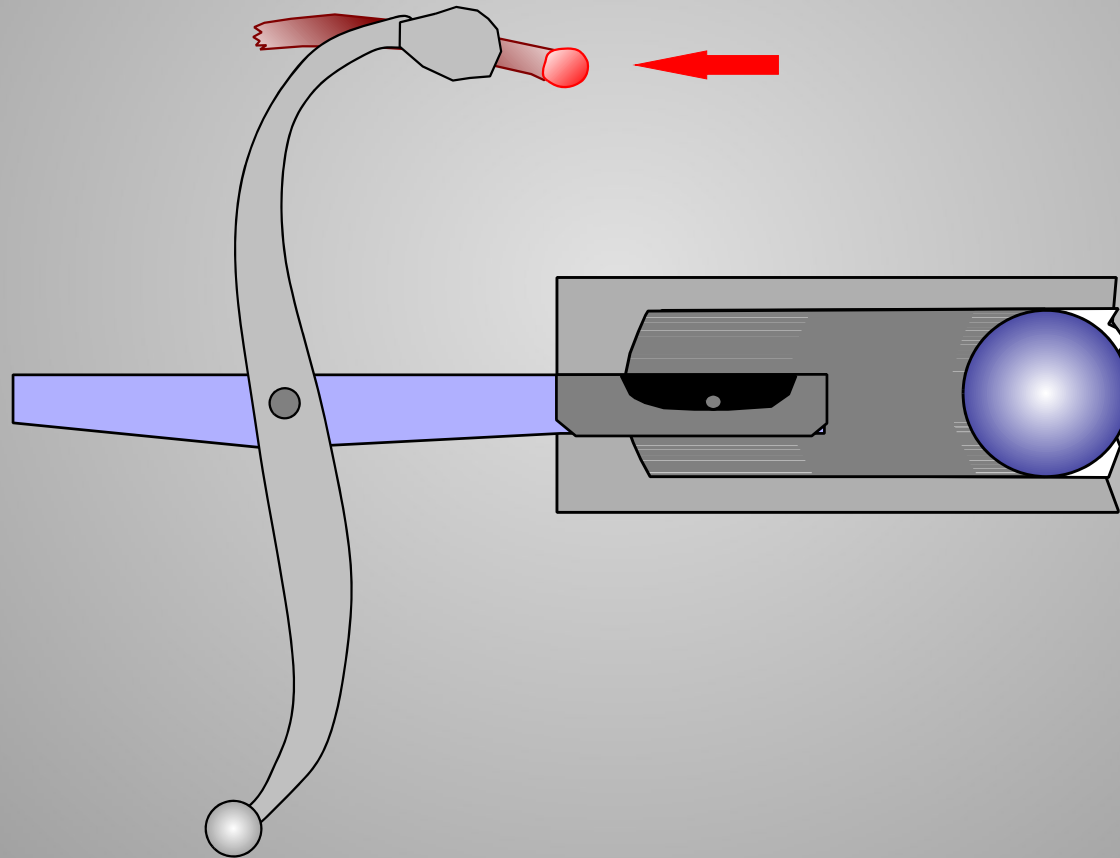
Barrel loaded



Pour primer into flash pan

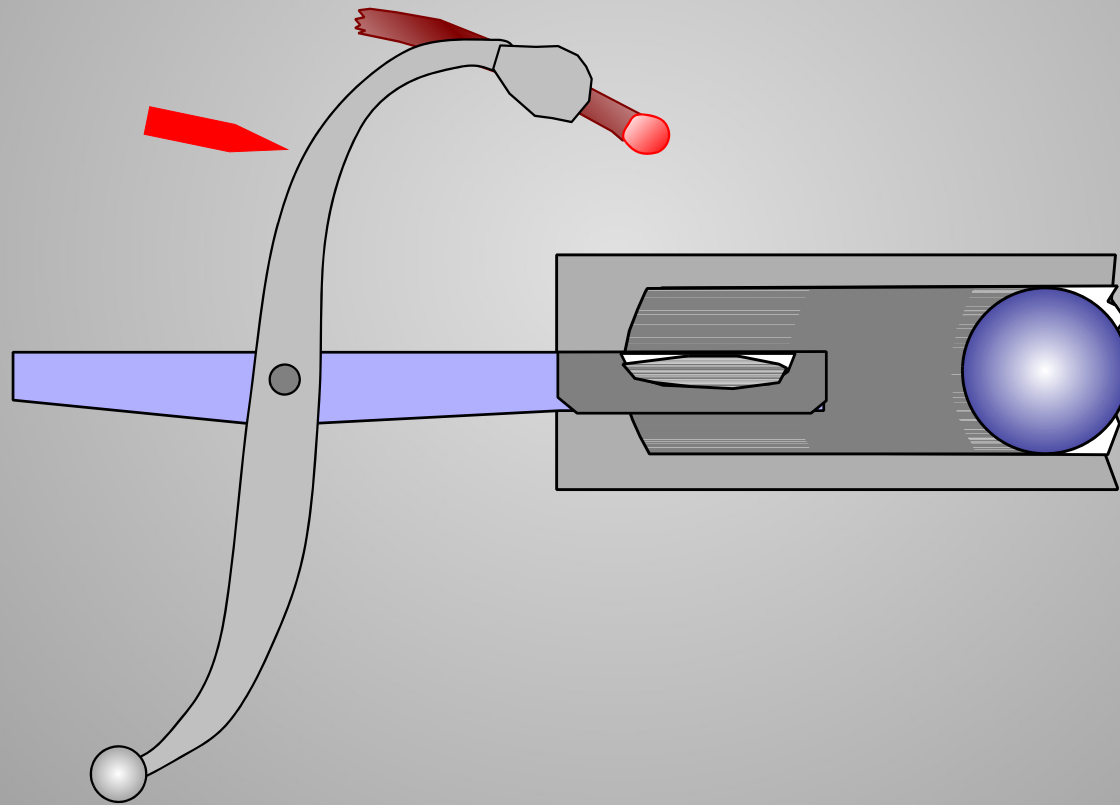


Clamp glowing match into serpentine

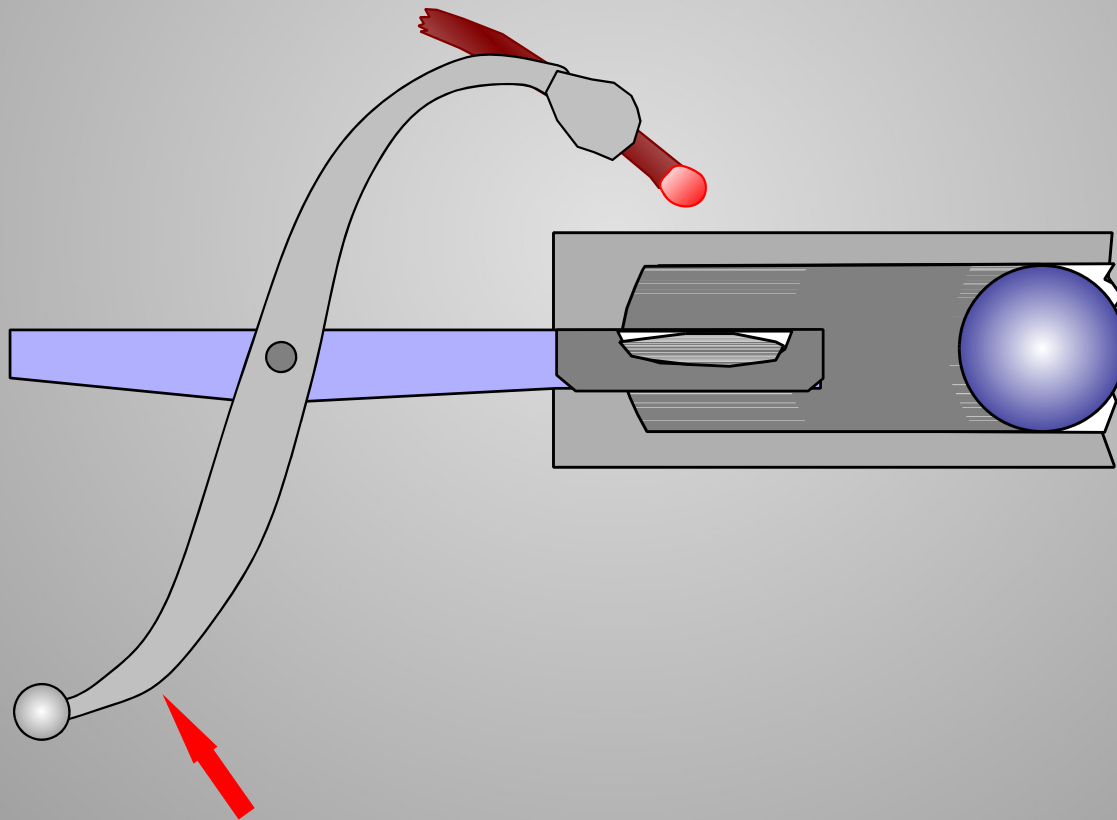


Firing of early Match Hand Gun

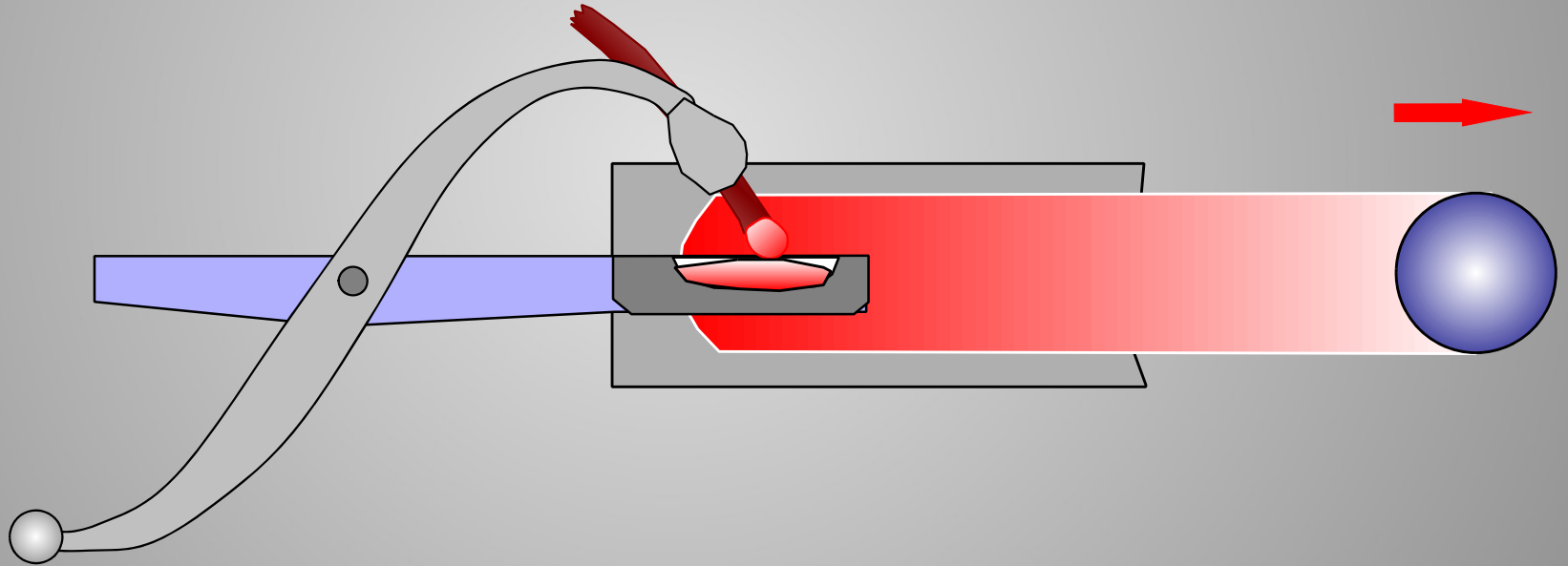
Lower serpentine towards flash pan



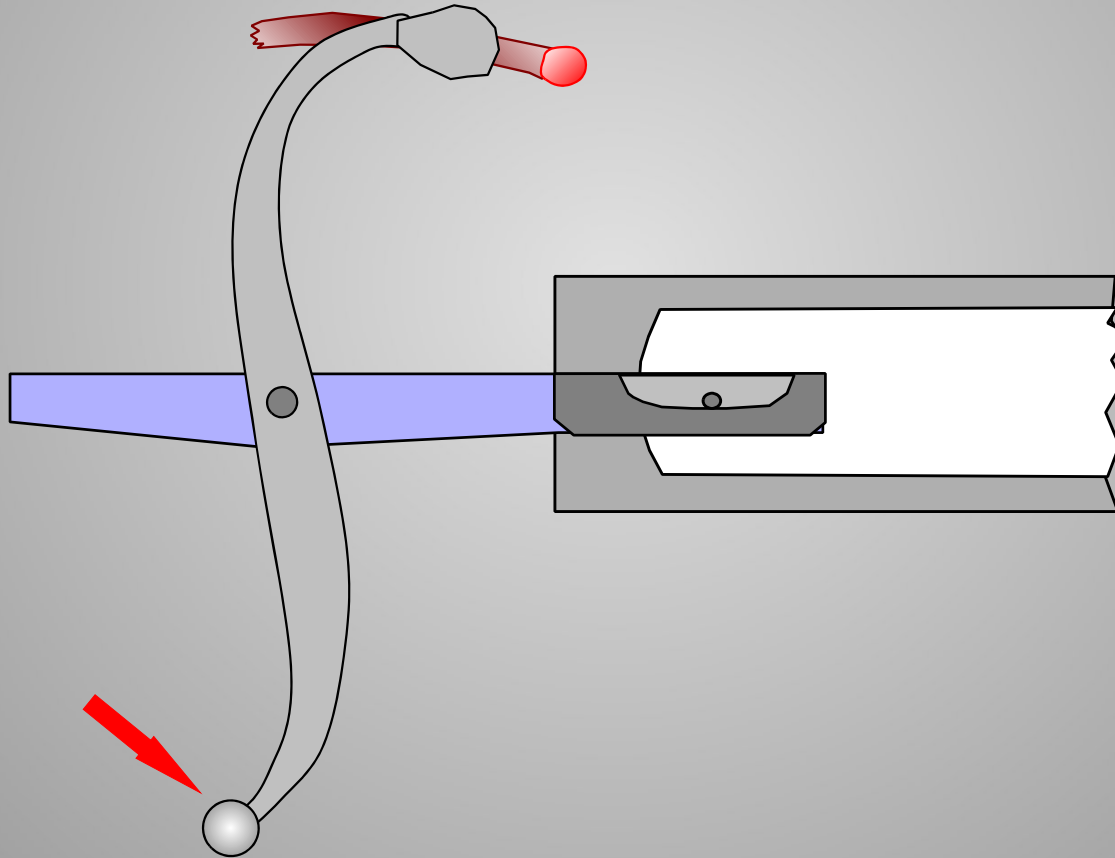
Lower serpentine towards flash pan



Bang !!



Serpentine returns to rest position



End