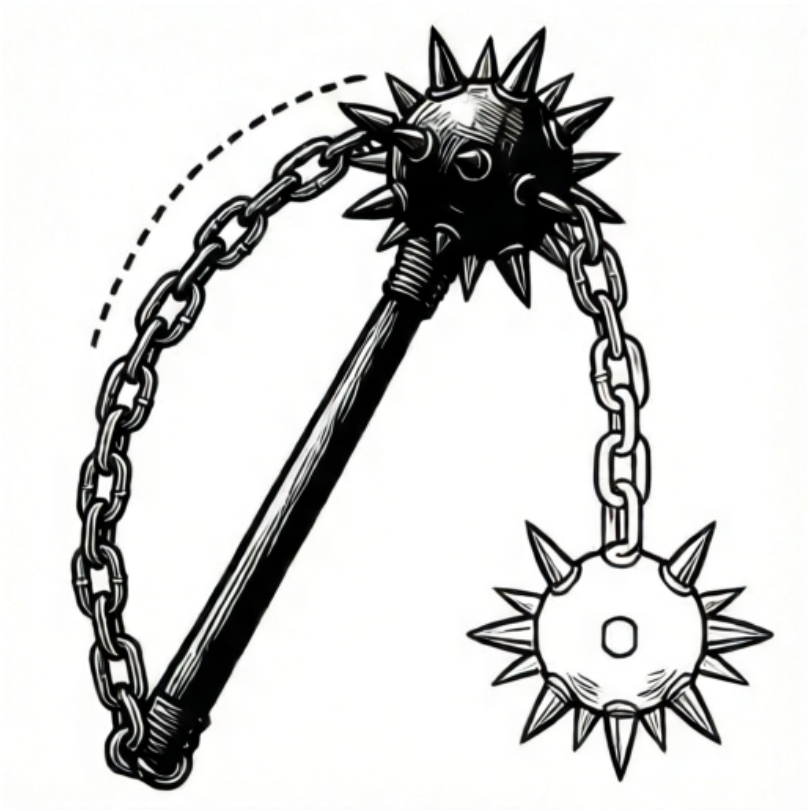
Flail Drawing: Chain Links and Hinged Head Construction

Ordinary topic reference / separately checked pixels



Flail Drawing: Chain Links and Hinged Head Construction

Original worked example / unchanged complete key

Prompt: Draw a flail with a 10 cm handle, a 6 cm chain of four links, and a 3 cm spiked head. Use a motion arc. Label the hinge.

Answer: Layout convention: total length = handle + chain + hinge gap + head width. Mark handle top at 0 cm, chain start at 10 cm, chain end at 16 cm, hinge gap from 16 to 16.5 cm, and head center at 18 cm along a gentle curve. Handle: tapered cylinder from 0 to 10 cm. Chain: four links, each about 1.5 cm long, alternating vertical and horizontal, overlapping slightly. Hinge: circle at 16 cm with a pin line. Head: rounded cube from 16.5 to 19.5 cm with three short spikes. Motion arc: dashed curve from head center curving away from handle with arrowhead. Labels: handle, chain, hinge, head using x-height convention. Check: hinge gap of 0.5 cm is visible, links alternate, arc starts at head, and total length is 10 + 6 + 0.5 + 3 = 19.5 cm.