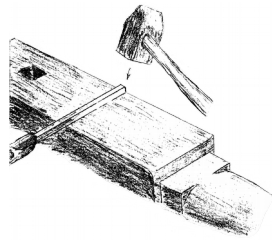


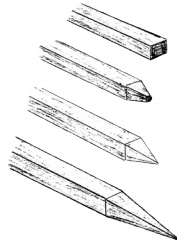
Discovery Project: J Hook

Material: Mild steel, ¼ inch or 6 mm square bar, about 7½ inches or 19 cm length.

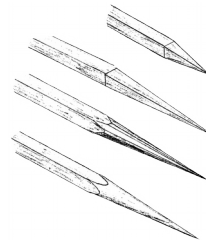
Put a square taper on one end of the bar, about 1½ inch / 4 cm long.



*Starting a
Square Taper*



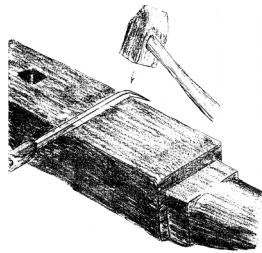
*Forming a
Square Taper*



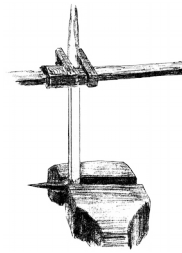
*Square-
Octagon-Round*

Form a square taper on the other end of the bar, about 3½ inches / 9 cm long. On the long taper, hammer corners to make an octagon, then hammer to round. Leave the short taper square.

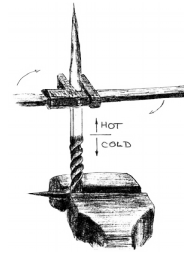
Bend the short taper 90° to form the nail end.



Bend the Nail

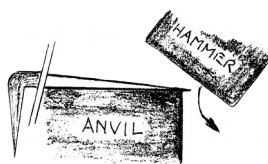


Single Twist

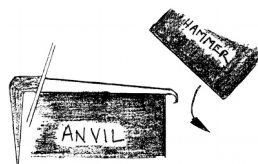


Double Twist

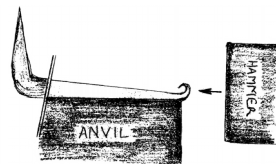
Twist the center section, between the nail and the round taper. Use a single or double twist, or any other twist you'd like. Correct sideways bends on a wooden stump.



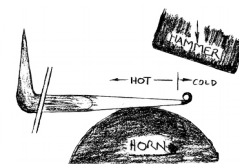
Start Safety Tip



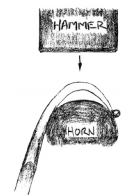
Continue Safety Tip



Finish Safety Tip



Form Hook



*Reduce
Bend*

Form the safety tip over the edge of the anvil, curling the same direction as the nail. Then quench the tip to protect it and form the hook over the anvil horn, curling the opposite direction.

Fire gild the edges, then take it outdoors and apply a wax finish.