STANLEY

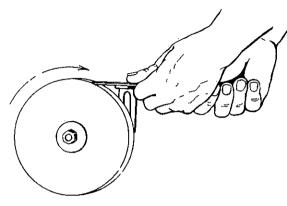
HOW TO GRIND

STANLEY PLANE IRONS

(THIS ALSO APPLIES TO CHISELS)

Plane Iron or Blade

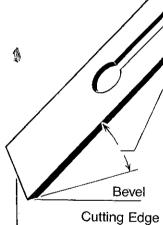




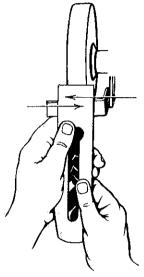
Grinding straightens the edge and restores the bevel preparatory to sharpening by whetting on the oil stone.

The Grind Stone should turn toward the Plane Iron.

Use the Guide as it assures a flat even bevel. Keep the Plane Iron cool to prevent burning, or softening the steel, by frequent dipping in water.



To get the right Grinding Angle about 25° to 30° make the bevel a little longer than twice the thickness of the Plane Iron.



Move the Plane Iron from side to side to grind all parts of the bevel and to keep the wheel true.

The edge should be straight and almost at right angles to the sides of the Plane Iron.

When to Grind a Plane Iron or a Chisel

When the cutting edge is nicked.

When the bevel has been worn down by much whetting.

When the bevel has been rounded by careless whetting.

Avoid a bevel too long and thin. It is weak and will nick easily.

Avoid a bevel too short and thick. It will not enter the wood easily.

EDUCATIONAL DEPARTMENT CHART NO. 14