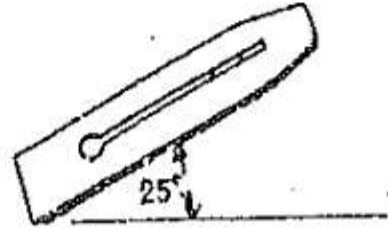
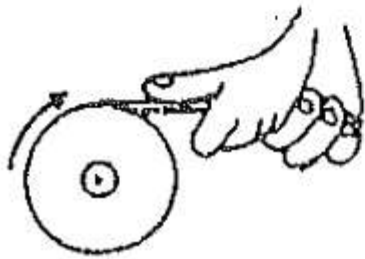
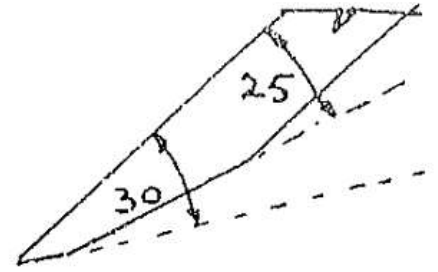


# Sharpening your Plane Iron

## Grinding

(Not required for every sharpening)

Use a guide on the grindstone to ensure flat even bevel. Keep plane iron cool by frequently dipping in water, to prevent burning grinding. Grindstones running in water are preferable. Grinding angle is 25 degrees.



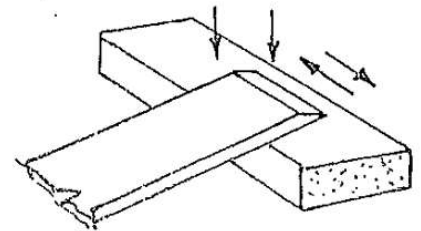
## Sharpening or honing (30 degrees)

Sharpen a plane iron on a medium oilstone. Use enough thin machine oil to keep the surface moist and to float away metal particles. DO NOT use dirty car sump oil.

Place the bevel of the plane iron on the oilstone with the back edge slightly raised to maintain correct sharpening angles of 30 degrees. Maintain even pressure.



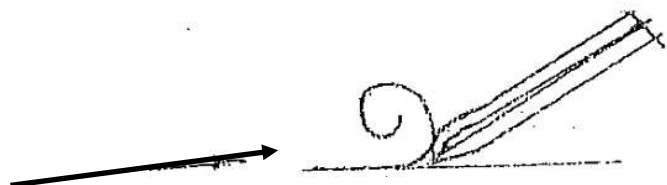
After sharpening reverse the plane iron and rub on the oilstone to remove the rough edge. Keep flat on the oilstone. Finish with a few strokes on a leather strop to produce a sharp edge. A sharp edge cannot be seen, a dull one shows a thin line of reflected light. To test for sharpness carefully draw your thumb across the back of the blade.



Note: With a new iron remove any factory grinding marks near the cutting edge.

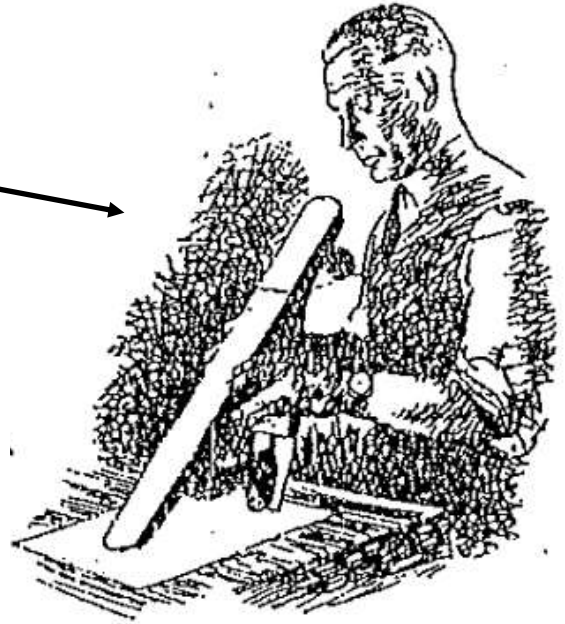
## Replace cap iron

Guide to setting: Jack plane 1.5mm Smoothing plane 1mm or less.



The cap iron curls and breaks the shaving. It is important that the cap iron is a perfect fit to the plane to produce a clean shaving and prevent clogging

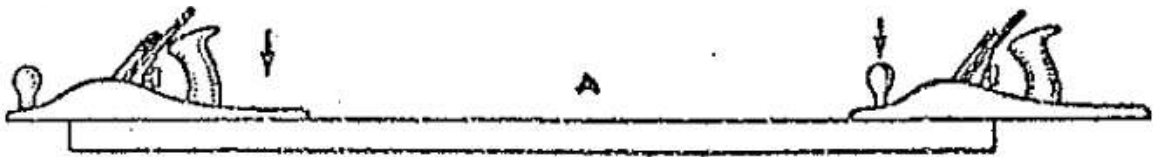
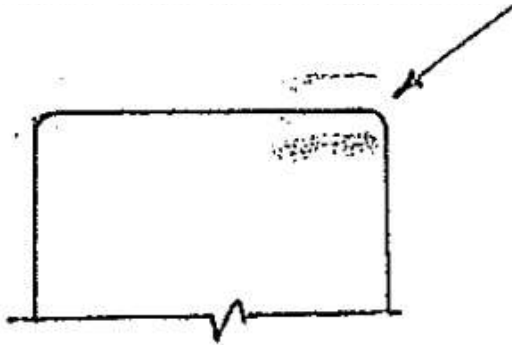
Refix the cutter and level cap and sight, against a light background to adjust for thickness and evenness of shaving.



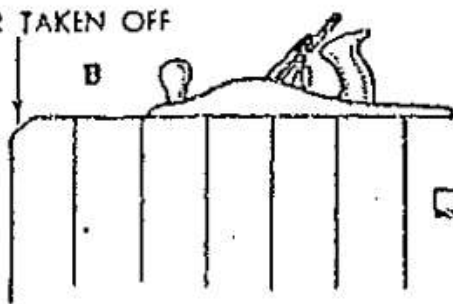
**To obtain a smooth surface with the grain.**

If the grain is cross or curly, set the cap iron as near the cutting edge as possible and adjust the plane to take a very thin shaving.

Plane marks will show less on a finished surface if corners of plane



CORNER TAKEN OFF



BLOCK

