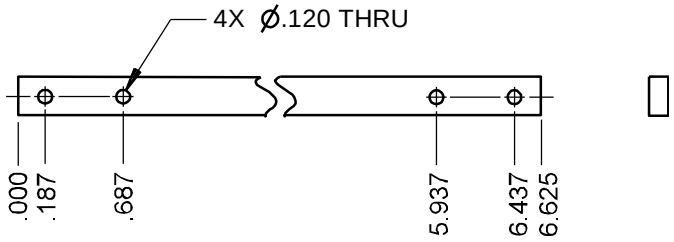
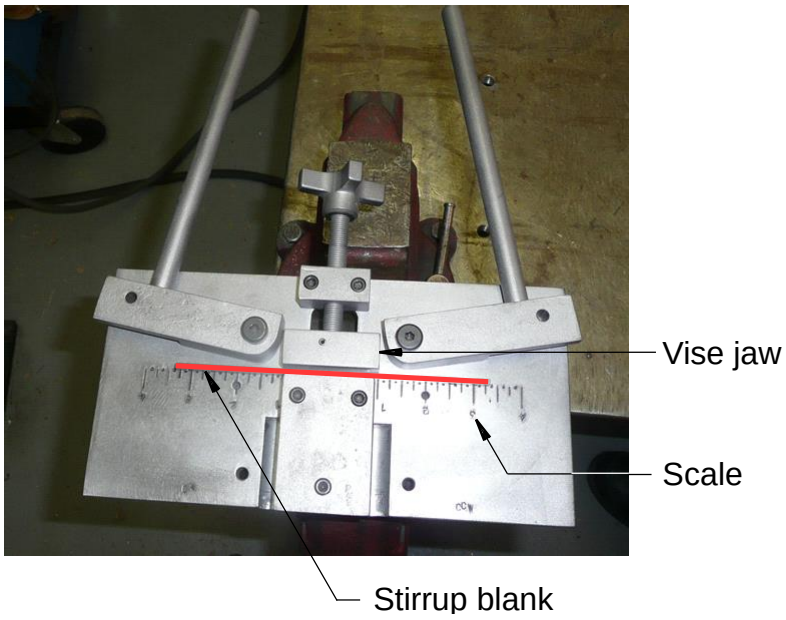
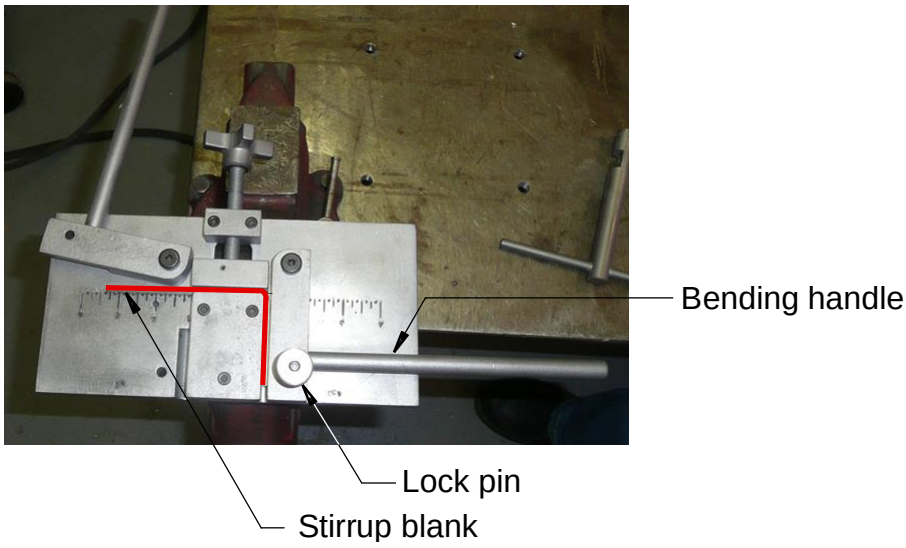
STIRRUP BENDING TOOL FROM THE SAGEBRUSH SHORT LINE RAILROAD BACK SHOP



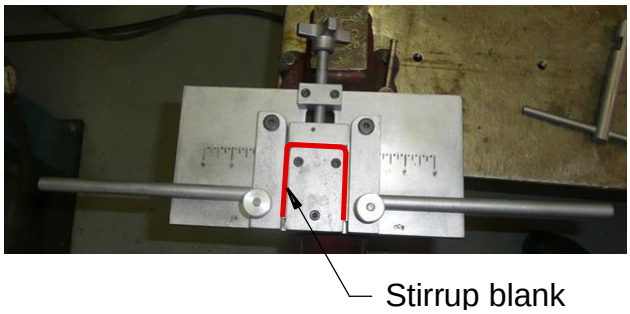
The stirrup blank is manufactured from .125 by .250 flat cold rolled steel to the above sketch.



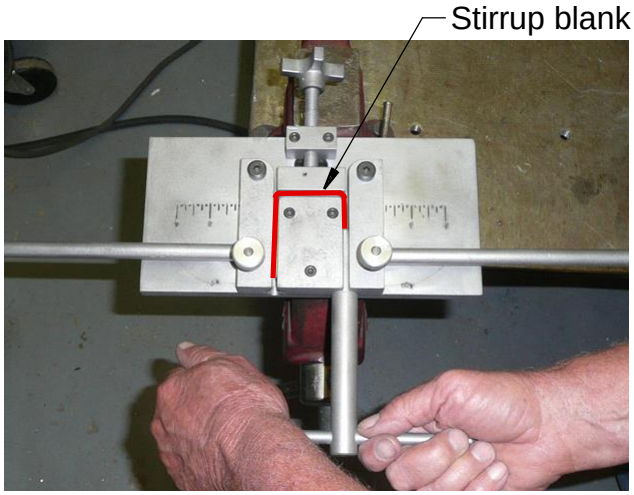
The stirrup blank is centered on the tool base scale and the vise jaw is tightened to secure the blank.



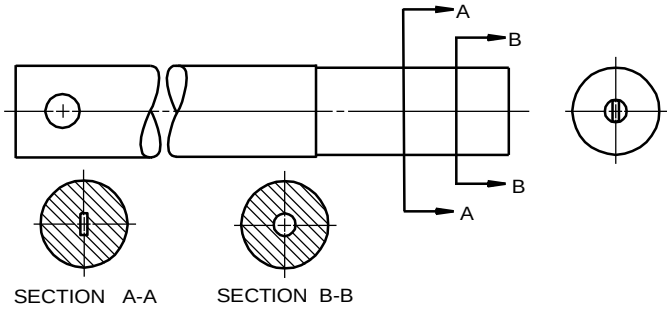
Bend the right side of the stirrup blank and lock the bending handle in place with the lock pin.

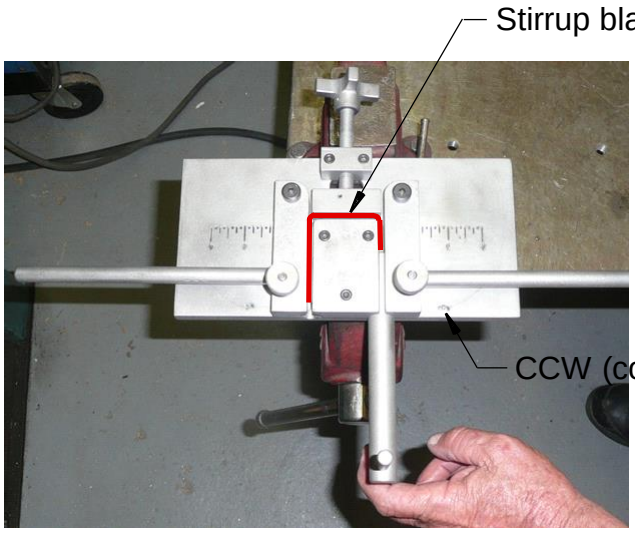


Repeat the bending process on the second leg of the stirrup.

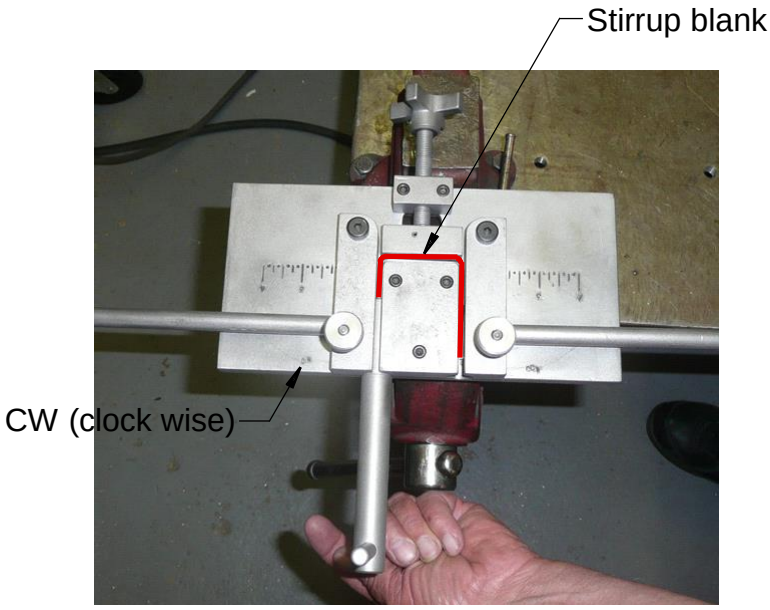


The twisting tool has an internal rectangular hole that fits over the stirrup leg.

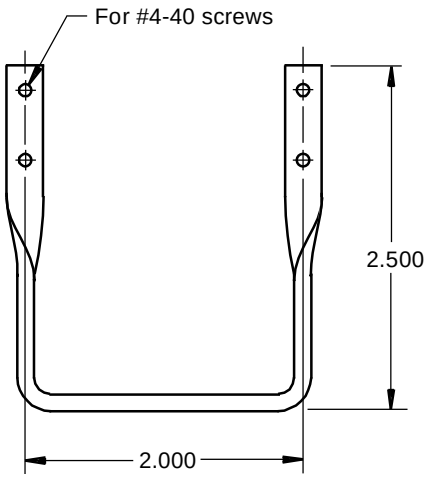




Rotate the twisting tool 90 degrees counter clock wise on the right side.



Rotate the twisting tool 90 degrees clock wise on the left side. The stirrup is complete.

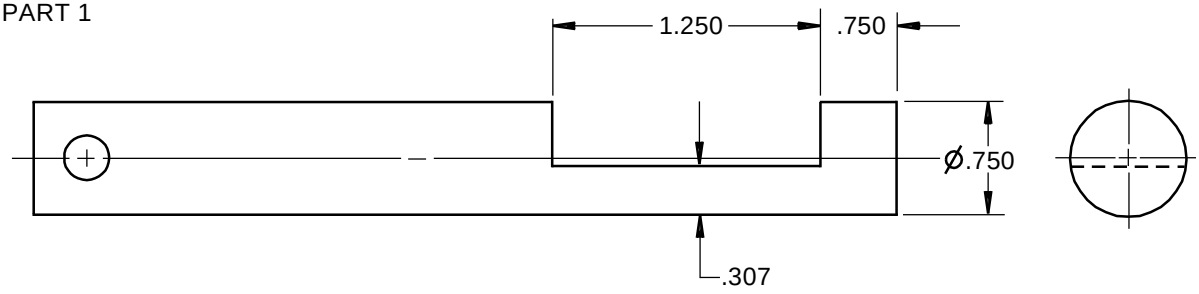


Look closely at the two stirrups above. On the left stirrup if the brake-man hits the inside of the stirrup at the twisted area with his shoe it will be guided into the foot support area. This is the proper way to

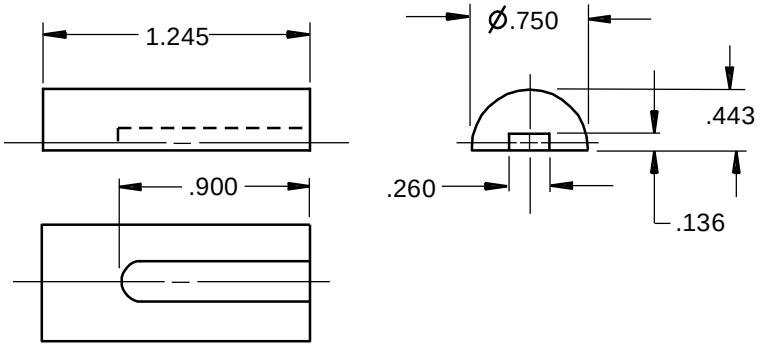
orient the stirrup on the railroad car. You can see how the stirrup on right will tend to guide the shoe away from the step.

How to make a twisting tool that has an internal rectangular hole.

PART 1



PART 2



FINISH WELDING AND MACHINING