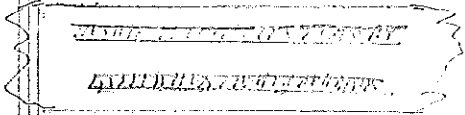


Collars

Greg Thompson

Stock size $\frac{1}{8}'' \times \frac{1}{2}''$

Embellish stock in the bar form before cutting to length,

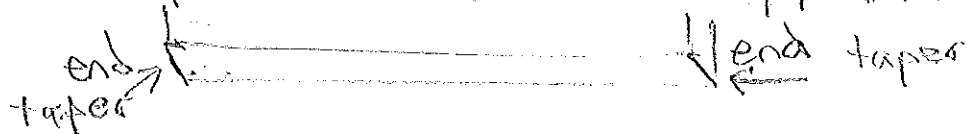
 2 grooves can be added using a fuller and a treadle hammer.

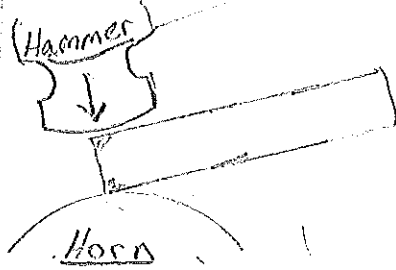
The length of the collar stock is the perimeter around the pieces to be joined plus $2\frac{1}{2}$ times the thickness of the collar stock.

For $\frac{1}{2}''$ square joined with $\frac{1}{4}'' \times \frac{1}{2}''$ flat bar the perimeter is $2\frac{1}{2}''$. For collar stock $\frac{1}{8}''$ thick add $\frac{5}{16}''$ for a total of $2\frac{13}{16}''$. Cut one and do a trial fit. Adjust length if needed.

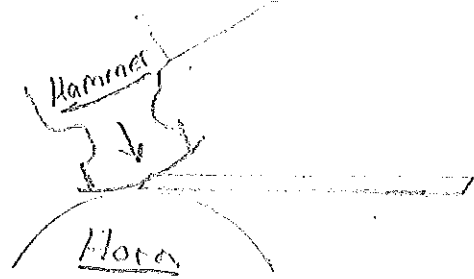
Mark the location of the first bend. It will be half the length plus half the width of the two pieces being joined.

Heat and forge a very short taper on both ends of the collar stock. End tapers should be opposite.



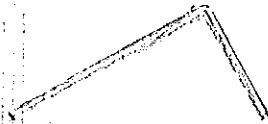


Taper width slightly first.



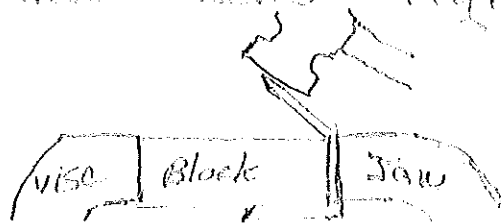
Forge short taper on each end with opposite direction.

Bend collar 90° at previous mark.

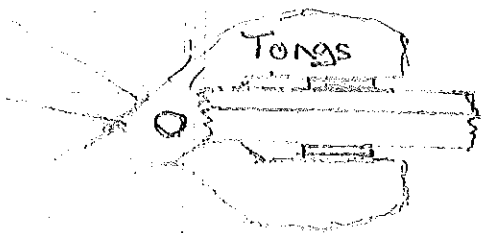


Use 3/4" collar block to make second 90° bend.

Clamp in vise and bend tight to the collar block.

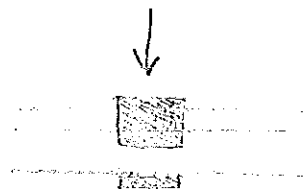


Seat stock in collar with hammer and cut.



Heat one collar bend and squeeze collar tight on stock with tongs (using torch)

Heat third collar bend with torch and quickly hammer flat over stock.



Heat the forth collar bend and
quickly hammer the collar closed
over the first end,

