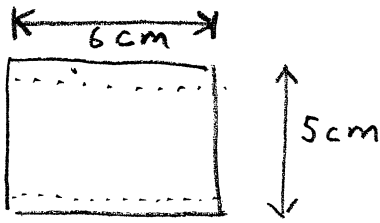


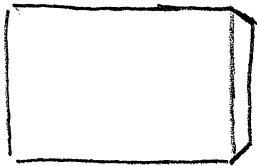
Welded Stamp with axe

1) Cut a 6cm long piece of 5cm diameter pipe

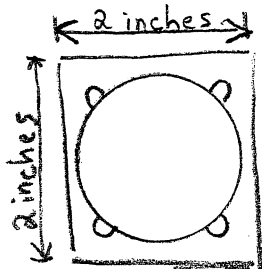


2) If painted use the bench grinder to "skim" off the paint to expose the bare metal

3) Use the bench grinder to chamfer one end all the way around

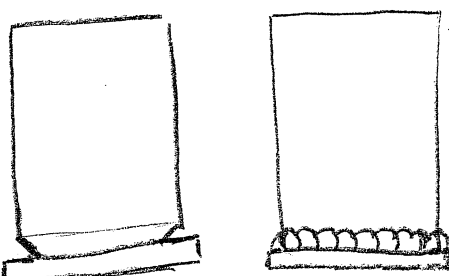


4) Cut flat bar to make an end cap

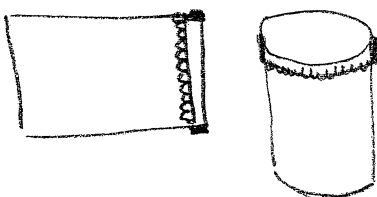


The flat bar can be slightly larger than the pipe diameter.

[Tack weld four corners]

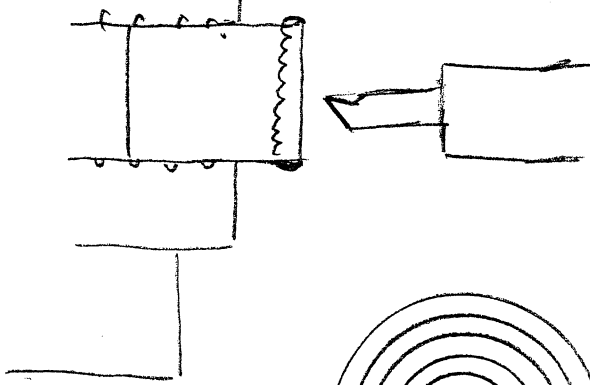
5)  - Keep metal flat and tight when tack welding.
- weld around the pipe filling the chamfer completely.

6) Grind off the excess flat bar to be "slightly" larger than the pipe.



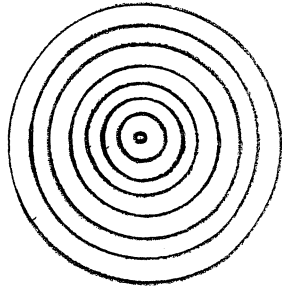
- Your "chamfered web" should be enough to hold it together.

7) a) Install & secure piece in the metal lathe as shown.



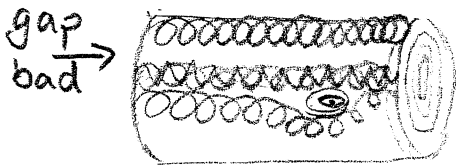
b) face the flat bar end once your setup has teacher approval.

c) using the same cutting bit slowly push into the face in incremental locations to create "growth rings".




- only go deep enough to visually see the rings

8) Welding Booth: Set voltage "colder" than normal and wire speed "higher" to purposely get lumpy "bark" style welds. avoid gaps in between weld beads.



- completely go from one end to the other to hide the pipe and "seam" between the pipe and flat bar cap.

★ Tips: use a magnet or scrap metal to stop project from rolling around

- Vary your technique and pattern to create more interesting lines
- Try creating things like where a branch or limb was removed 

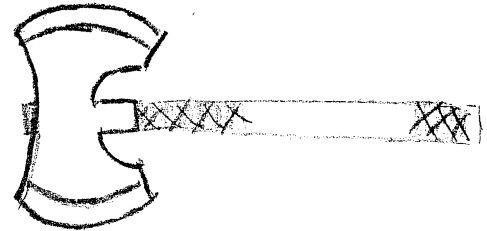
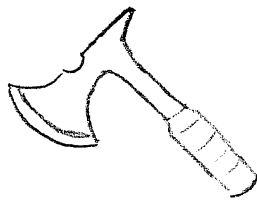
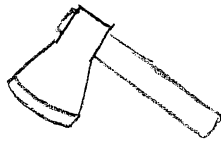
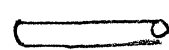
Axe

9) Choose or design an axe style that will nicely fit on your stump. Typically you can make one out of two pieces welded together.

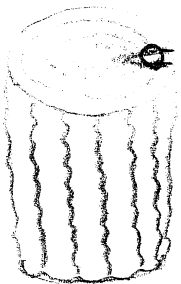
Material:

- Flat Bar for axe head

- 3/16" Round steel for handle



10)

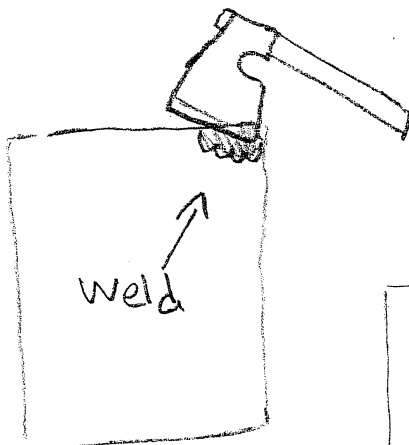


a) Use a hacksaw or zip disk to cut a notch on top of your stump

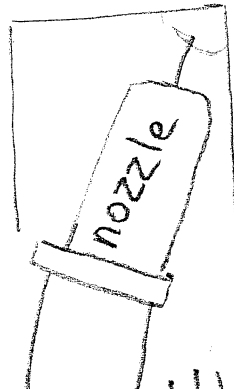
b) Drill a hole through the top at least 9/64" in diameter

c) ensure your axe fits the notch and weld from the inside when ready.

Tip: increase voltage for Maximum Penetration otherwise your axe will not hold!



this hides how the axe is held!



11) Sand, Polish, Done!!!