

Goblets and Grain

To make a 5" goblet

Wood: 3" x 3" x 6.5-7" Green, straight grain, approximately square ends

1. choose and inspect wood
2. center for straight grain – cross diagonals, “cookies”, measurement, etc.
3. Choose Base end

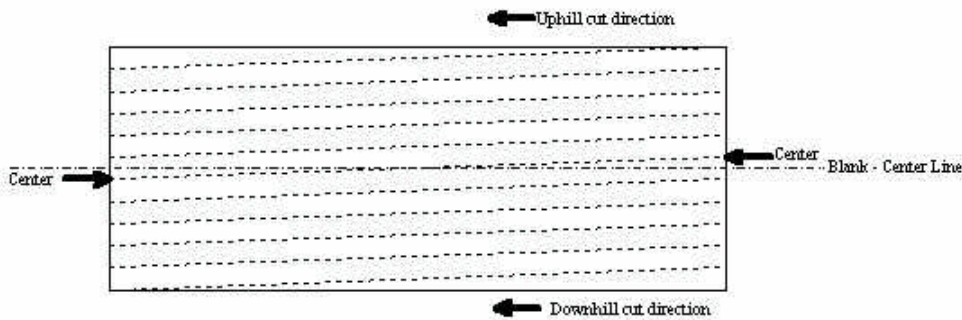


Figure 1.

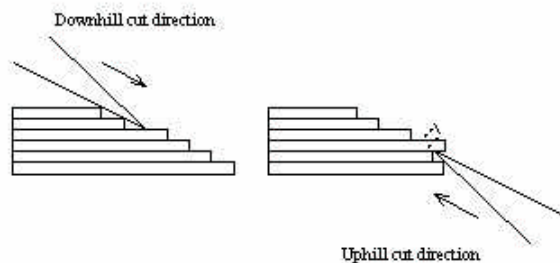


Figure 2.

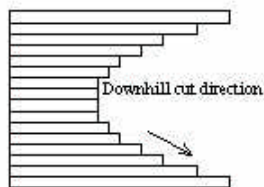
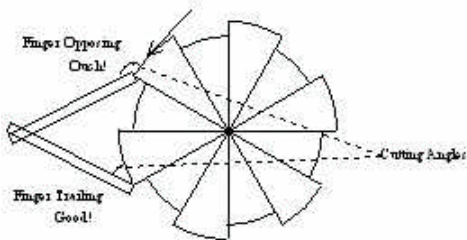


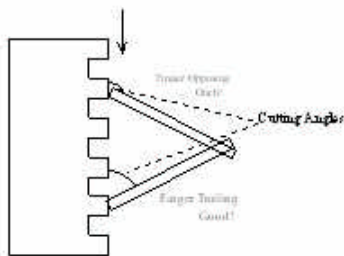
Figure 3.

4. 1" Spur drive in chuck
5. Alternative Roughing with Bowl Gouge – Down to 3 ½ inches (not Round!)
6. True up the ends with Parting Tool
7. Create Tenon 2.5" Diameter x 3/8" wide – **SQUARE!**
8. Remount in Chuck – Tape on jaws for safety
9. Roughing Gouge to 3.25 inches diameter
10. round on tail stock end for a couple of inches
11. Face off Rim end with Bowl Gouge
12. Create centering starter hole with tail stock live center
13. Dept drill to 1.5 – 2" deep
14. Scraper Stability discussion! Finger trailing Mode = cutting angle less than 90°

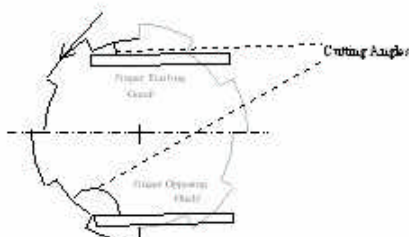
15. Outside Spindle: Scraper aimed down and/or below center
16. End on: Scraper aimed down
17. Inside (Hollowing) Side: Scraper ABOVE CENTER and/or aimed down



Outside Scraping
Figure 4



End on Scraping
Figure 5



Inside Scraping
Figure 6

18. 1/2" Round Nose Scraper for inside shape, wall thickness to approx. 1/8 – 3/16"
19. Break inside corner of rim
20. Finish cut the top 1/2 to 1" of goblet and sand inside
21. Shape outside of goblet to equal wall thickness using Roughing Gouge and Bowl Gouge (keep in mind where bottom of goblet is)
22. Final sand cup outside while stem is still larger than about 3/4 diameter
23. Mark length of goblet (5") with Parting Tool
24. Finish cut outside diameter of goblet base
25. Chamfer bottom corner of goblet base about 1/8" with Spindle or Bowl Gouge
26. Create Base shape and goblet stem with Bowl Gouge and Spindle Gouge
27. Leave goblet stem 1/4 - 3/8" diameter
28. Sand & Finish
29. Cut down diameter below goblet base to about 1/2 inch
30. Face off bottom of goblet base with Bowl Gouge (leaving surface slightly concave)

31. Remount goblet on spur drive in chuck and cup at tail stock live center
32. Face off remainder of goblet base and part off goblet using Spindle Gouge
33. Finish with Minwax Wipe-On Polyurethane to slow drying