

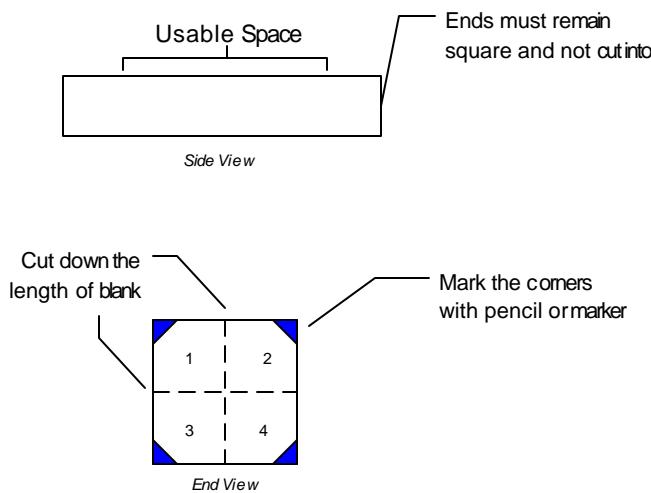
The basics of ...

# Inside-Out Woodturning

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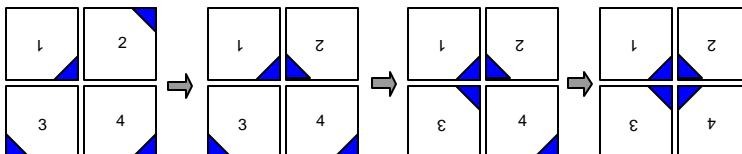
## 1. Blank Preparation



- We'll be making a basic 4-sided turning
- Stock must be square and flat
- Make your stock a little longer than the finished piece as you'll discard the ends.
- The ends must remain flat and square. Don't cut into the ends when you turn!
- Label the outside corners on one end of the blank.
- Cut blank length-wise down the middles into 4th's evenly. You should have 4 identical, long blanks labeled 1,2,3,4

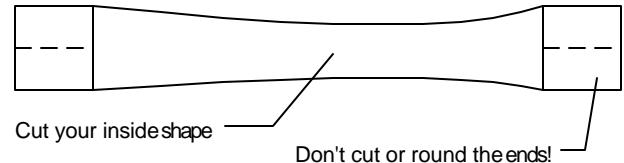
## 2. Flip and Secure

- Flip each 4th section so that marked corner is now in the center



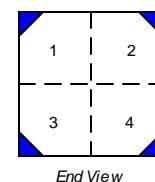
- Temporarily attach all 4 sections together. Some methods include...
  - \* Glue with brown paper between so it can be split apart later
  - \* Wrap tightly with strong tape at the ends only
  - \* Nail or screw at the ends only
  - \* Pipe clamps, rubber bands, etc. MUST be strong!

## 3. Turn the "inside" first



- Turn the shape of the "inside" of the turning.
- Don't cut more than 40% of the thickness of your stock here. If you do, you won't have enough, when we flip everything back over and do the outside, to round the outside! For instance, if your stock is 2" thick, don't go any further than about 1.25" thick.
- Sand and finish now because you won't get another chance.
- Remember the shape and length of this inside.

## 4. Flip back to original position



- Separate the 4 sections.
- Flip back around so that the marked corners and each block is back in its original position.
- Permanently glue the sections at the flat, square ends trying not to get glue squeeze-out on your "inside" turned portion.

## 5. Turn the outside

- Carefully round out the blank and proceed to forming the outside shape.
- As you turn down and get nearer the open inside cavity, it'll get thinner and more likely to break. Go slow. If you cut your 4 sections exactly the same and mounted them on the lathe precisely, you'll get 4 evenly sized holes formed.