



MAKING LAMINATED BIRDS BIRD BOWL

Wayne Miller
MSSW DEMO
APRIL 2021

SAFETY

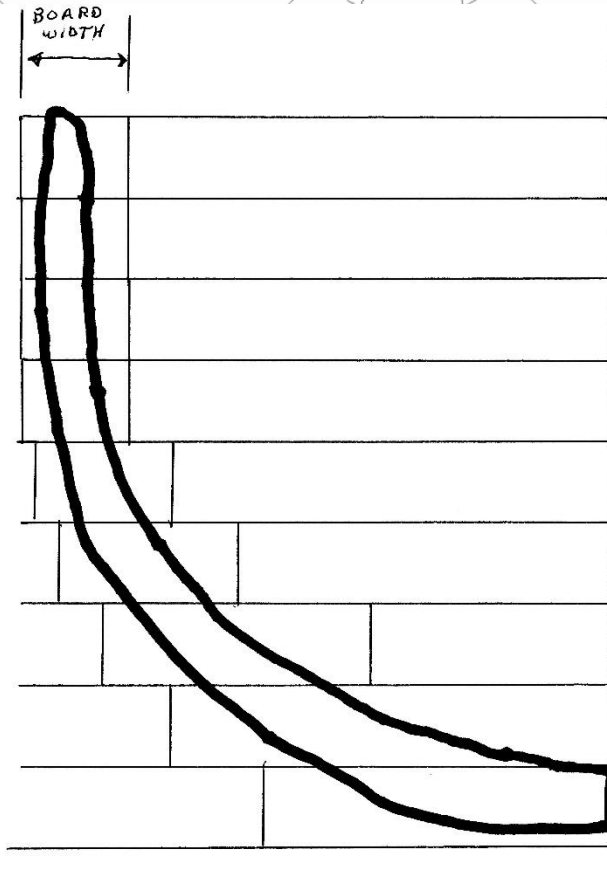


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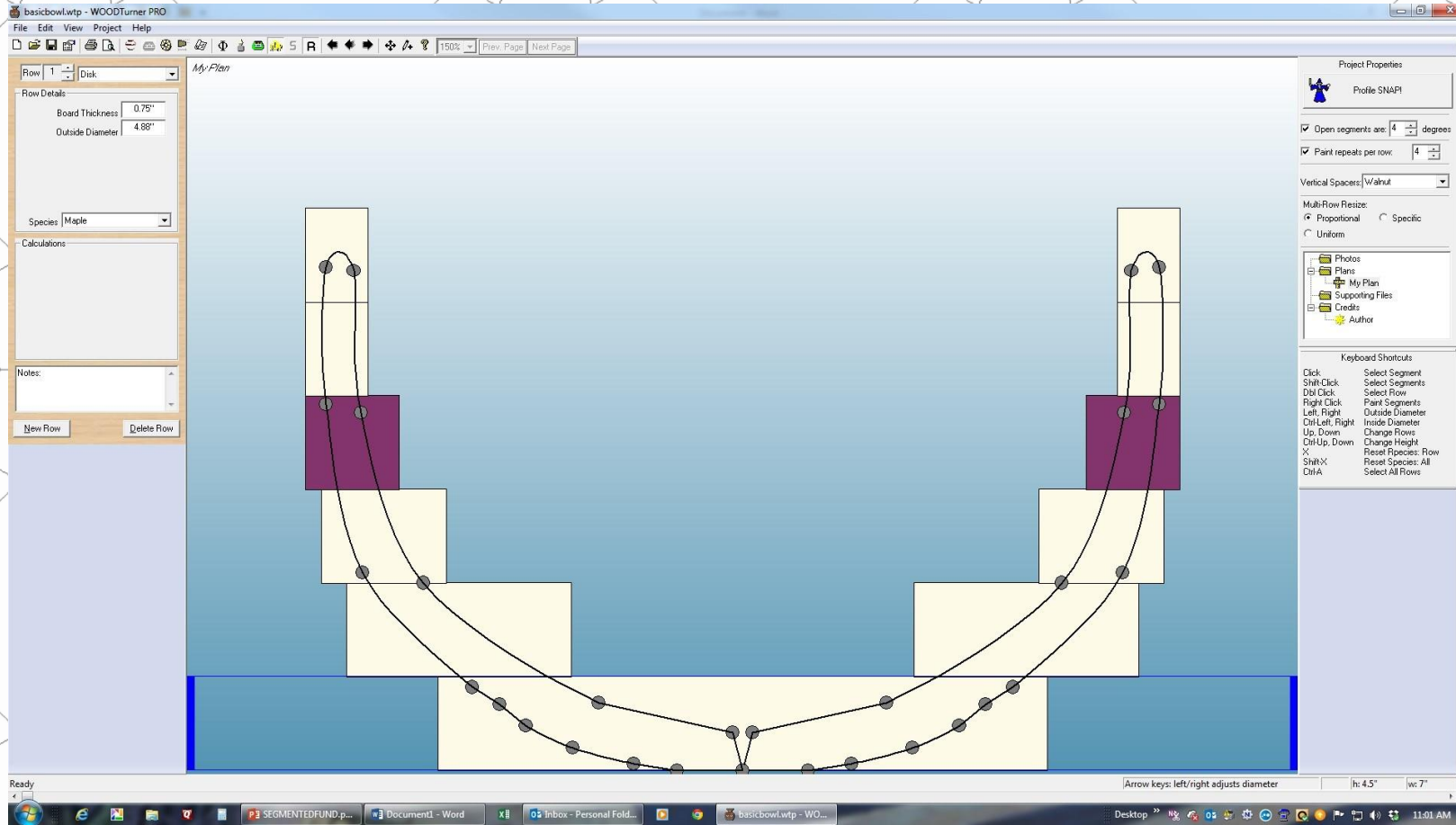
QUESTIONS



FORM, BASIC BOWL



COMPUTER RENDERING



GOLDEN MEAN

The screenshot displays the WOODTurner PRO software interface. The main window shows a plan view of a wooden bowl with a golden mean curve overlaid. The curve is a smooth, S-shaped line that starts at the top left and ends at the top right, curving downwards towards the center. The bowl is divided into segments, with some segments highlighted in purple. The software interface includes a menu bar (File, Edit, View, Project, Help), a toolbar, and a status bar. The status bar shows the dimensions: left/right: outside, ctrl+ left/right: inside, hi: 4.5", wi: 7".

Row Details:

Segments	12
Board Thickness	0.75"
Outside Diameter	7"
Inside Diameter	6"
Vertical Spacers	0"

Species: Maple

Calculations:

Segment Edge Length	1.88"
Board Width	0.6"
Economy Board Length	22.29"
Grain Match Board Length	24.07"
Miter Angle	15°

Project Properties:

- Profile: SNAPI!
- Open segments are: 4 degrees
- Paint repeats per row: 4
- Vertical Spacers: Walnut
- Multi-Row Resize: Proportional (selected), Specific, Uniform

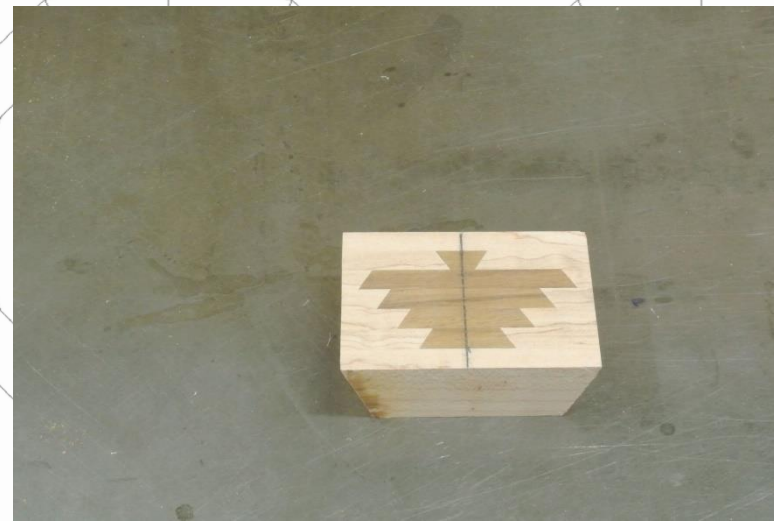
Keyboard Shortcuts:

- Click: Select Segment
- Shift-Click: Select Segments
- Ctrl-Click: Select Row
- Right-Click: Paint Segments
- Left, Right: Outside Diameter
- Ctrl+Left, Right: Inside Diameter
- Up, Down: Change Rows
- Ctrl+Up, Down: Change Height
- X: Reset Pieces: Row
- Shift+X: Reset Spacers: All
- Ctrl+A: Select All Rows

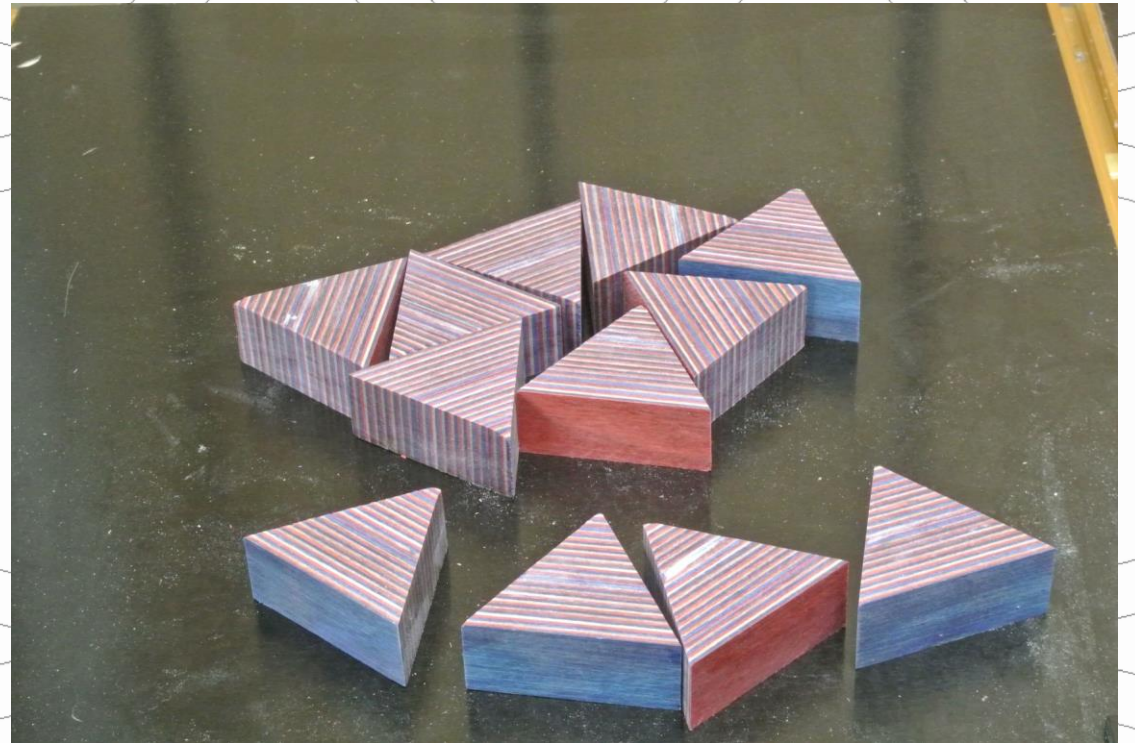
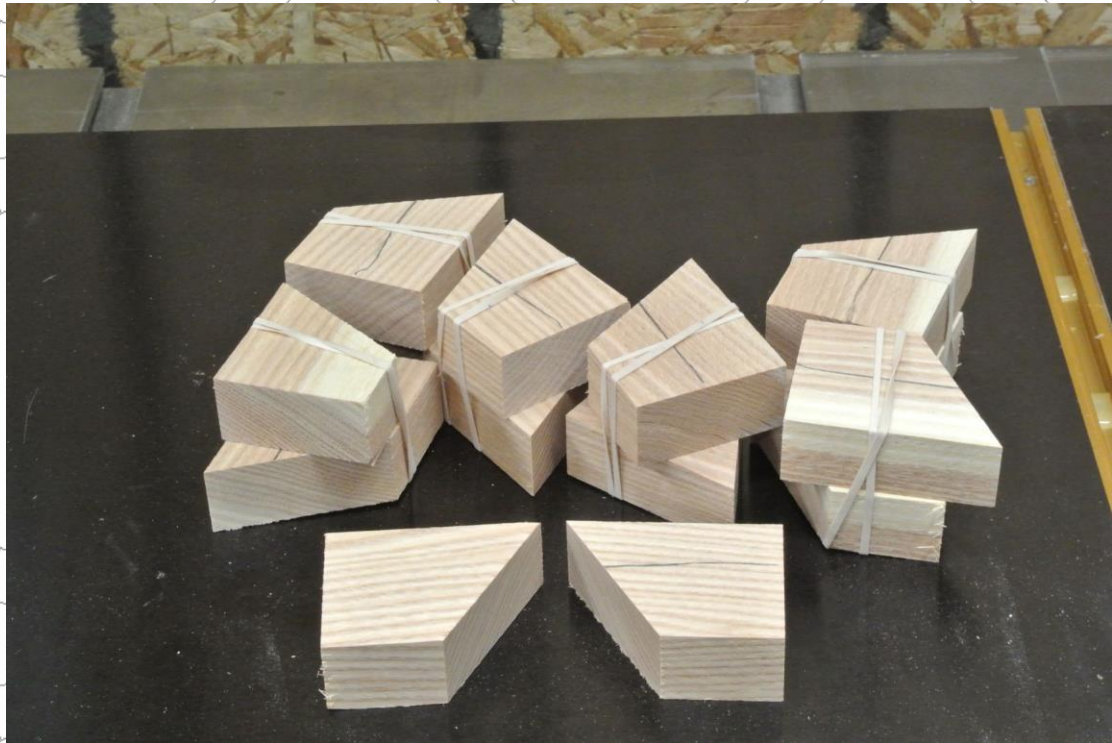
BIRD DESIGN FIXTURE



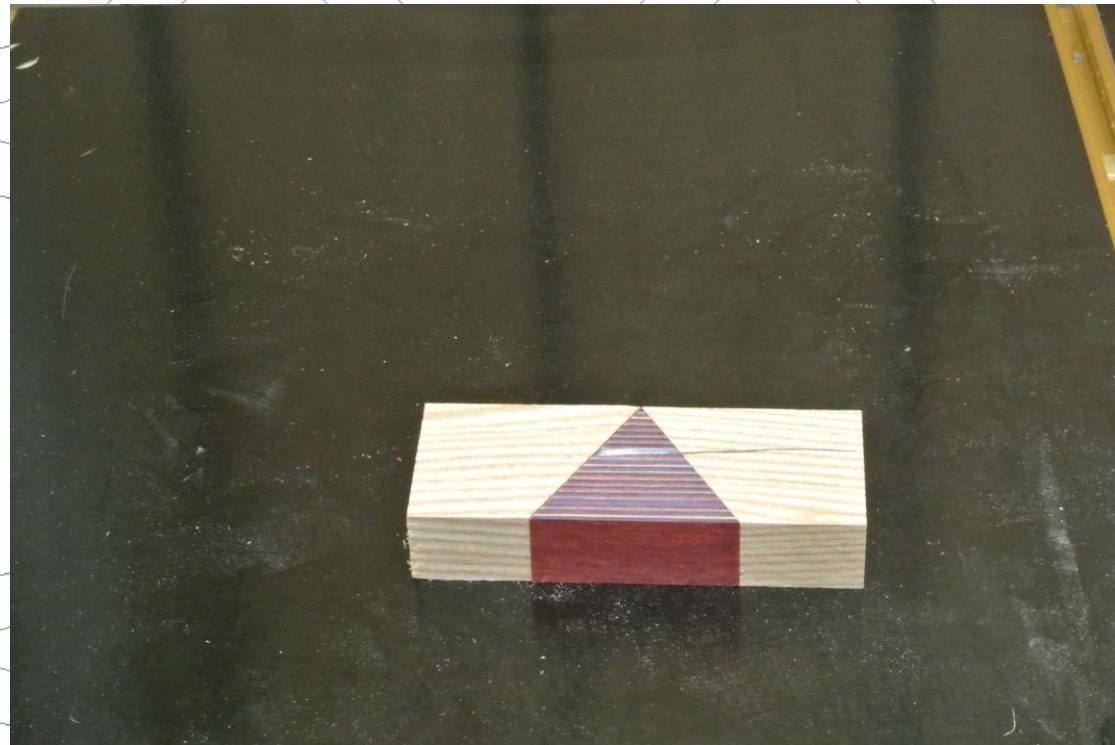
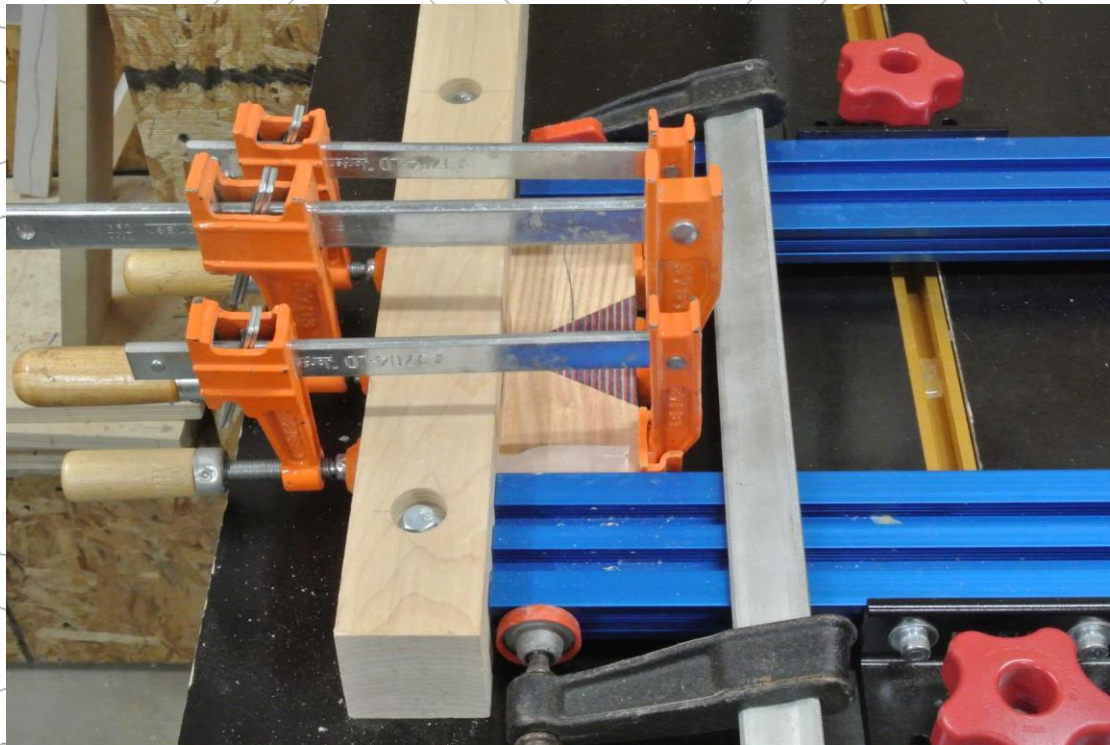
BIRD DESIGNS



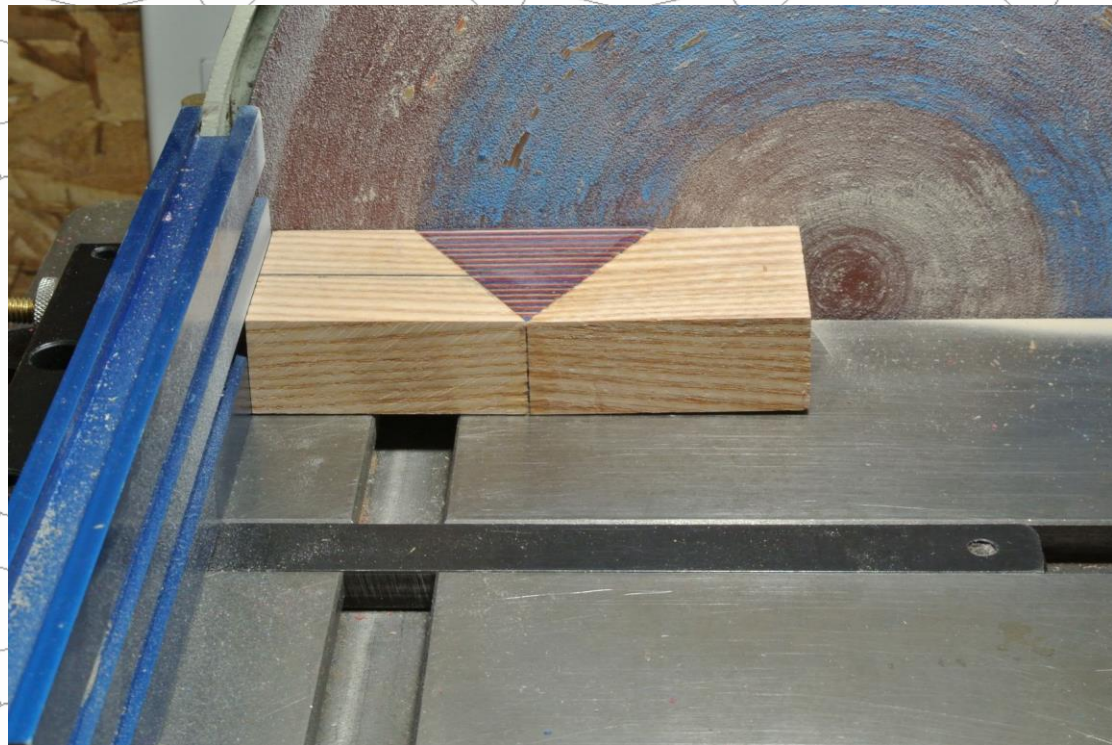
BIRD CONSTRUCTION



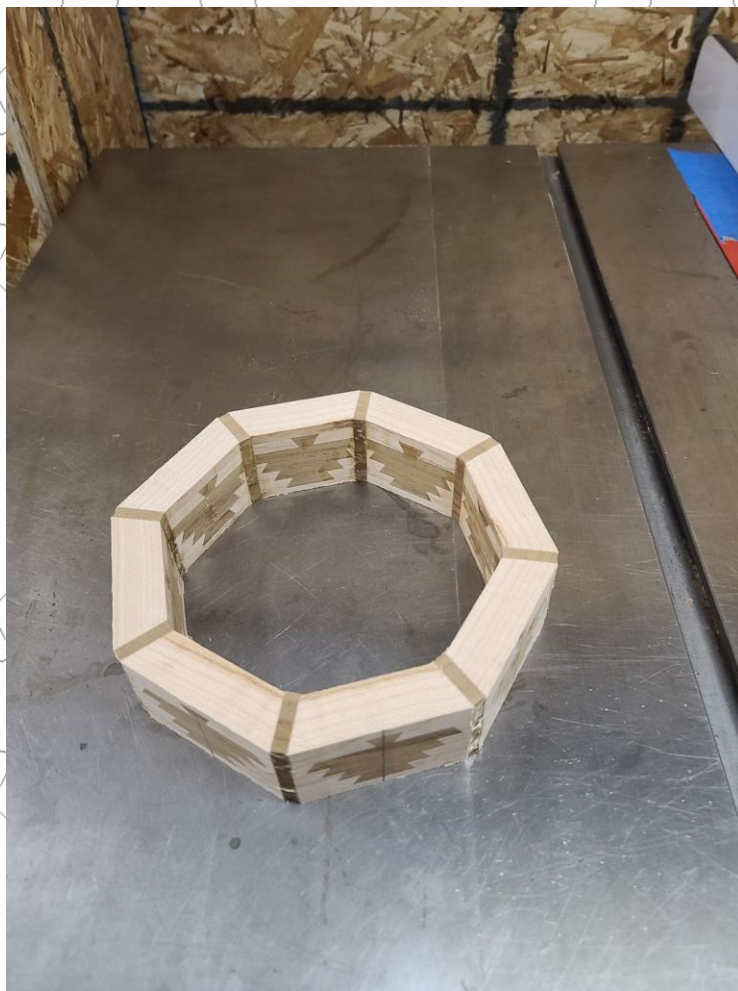
BIRD CONSTRUCTION 2



BIRD TRIM & SAND FLAT



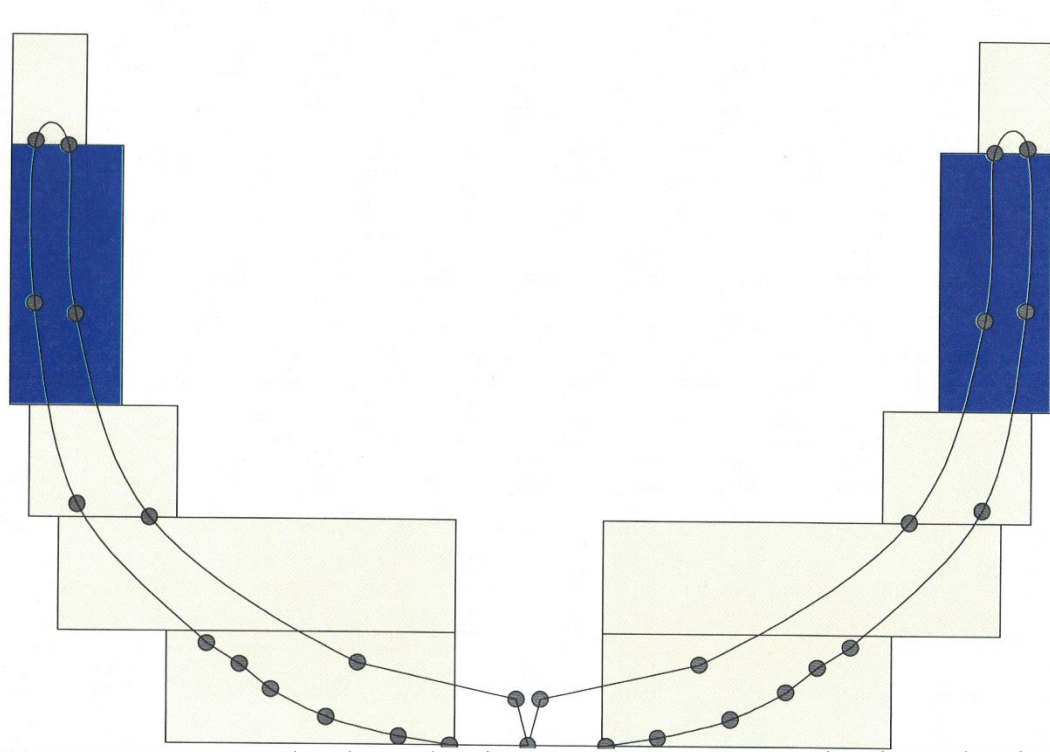
BIRD RING



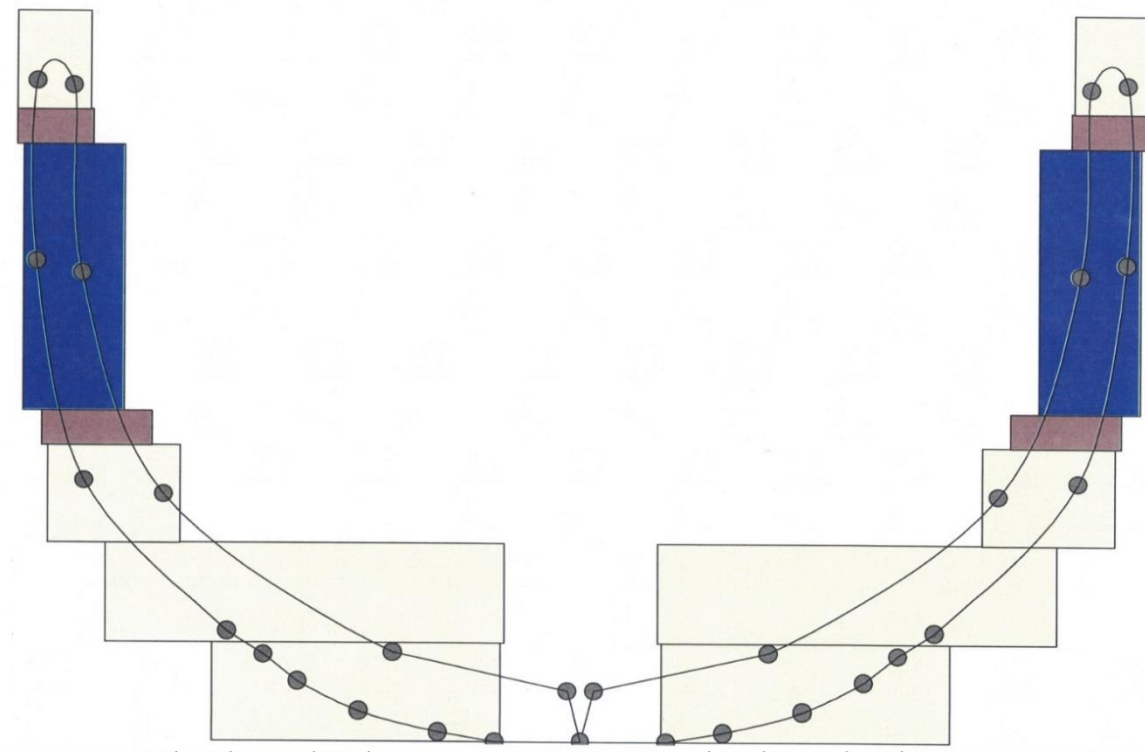
QUESTIONS



DESIGN EVOLUTION



INITIAL

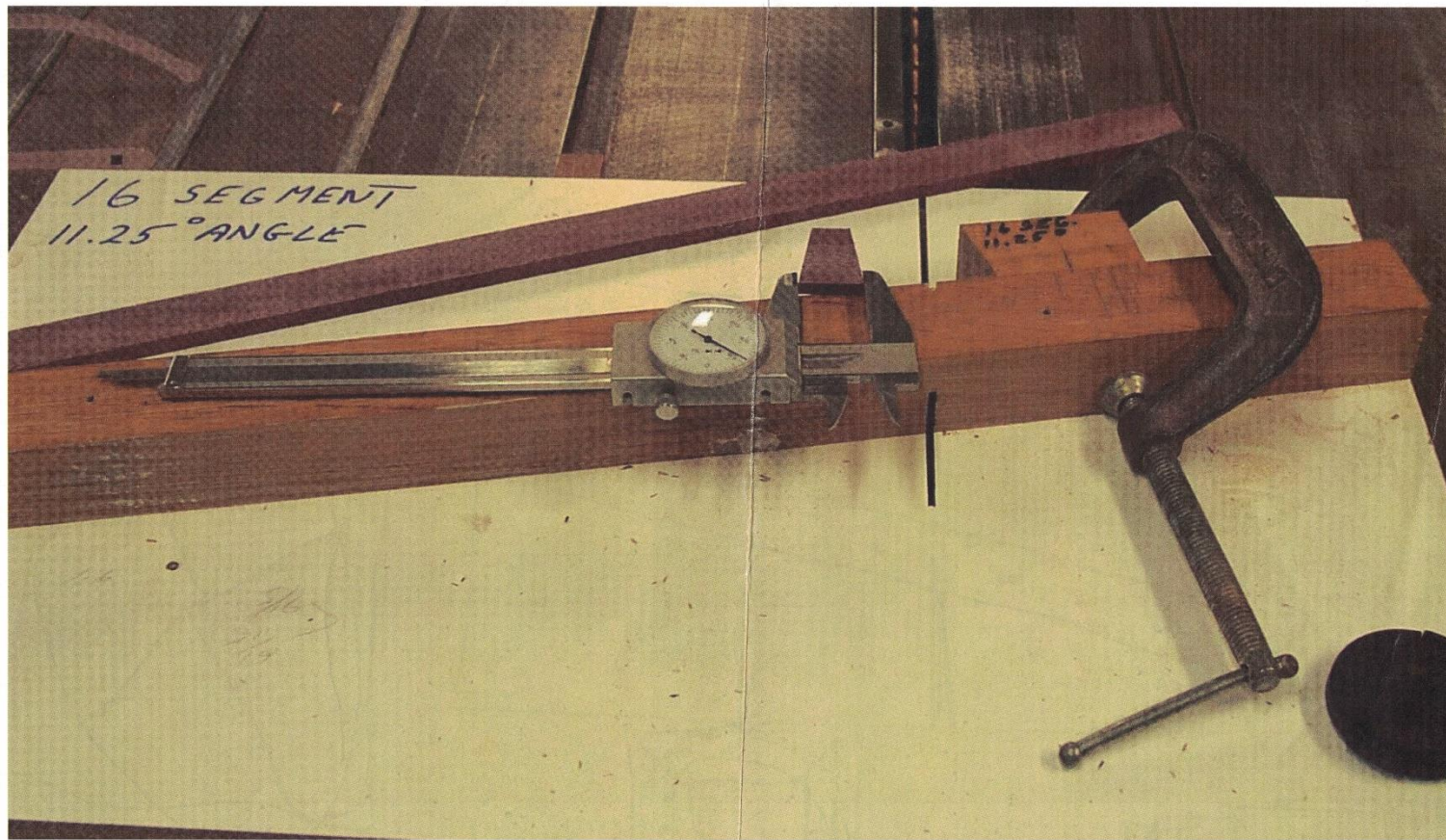


FINAL

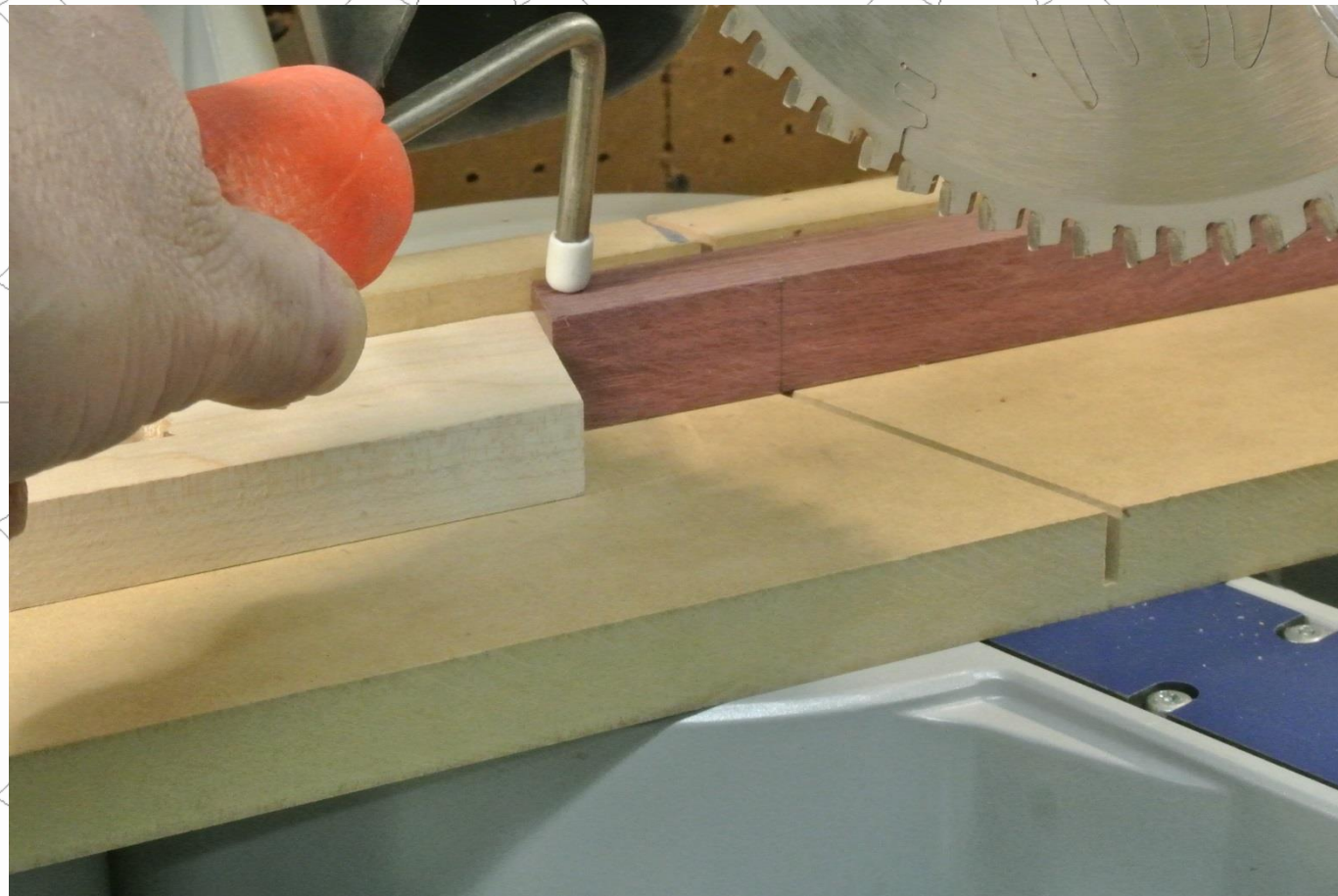
CUTTING BOARD WIDTH



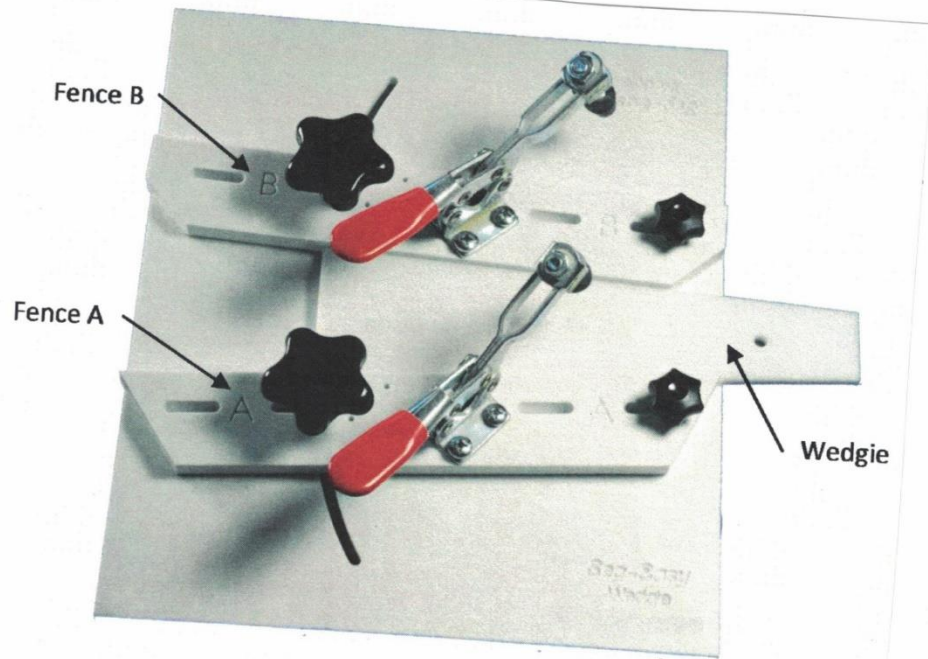
SEGMENTS, TRADITIONAL SLED



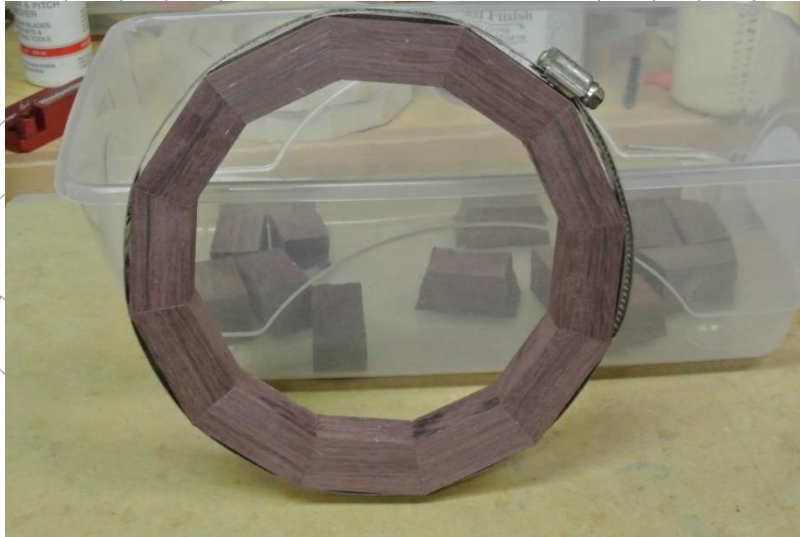
SEGMENTS CHOP SAW



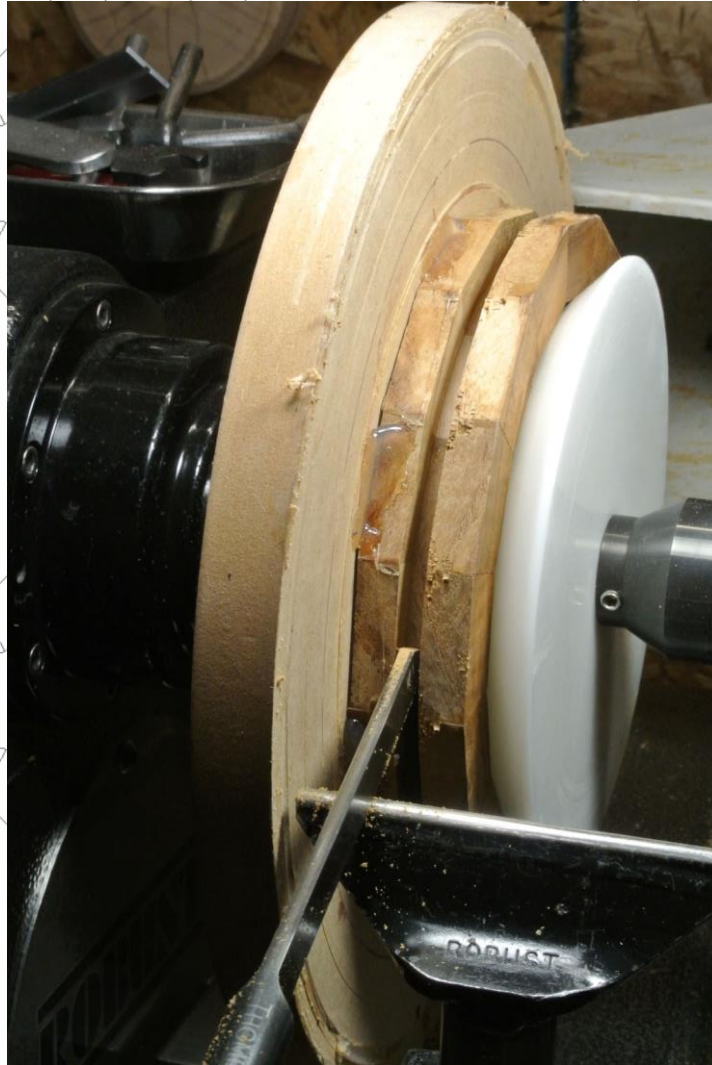
SEGMENTS, WEDGIE SLED



RING ASSEMBLY



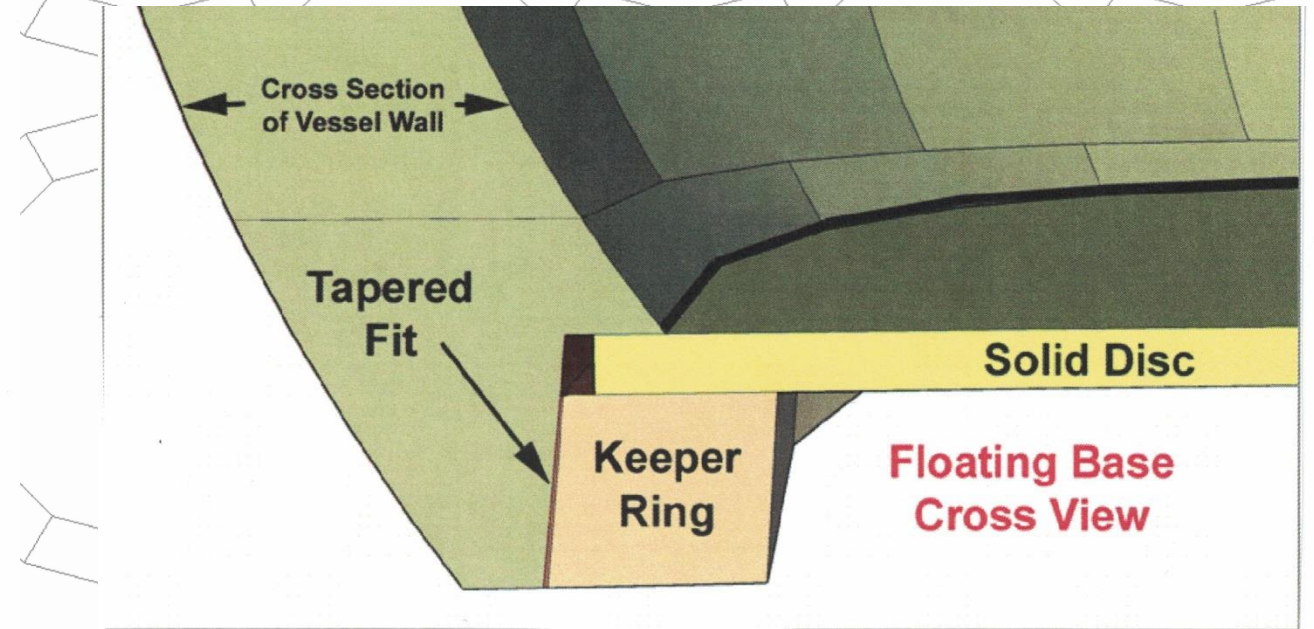
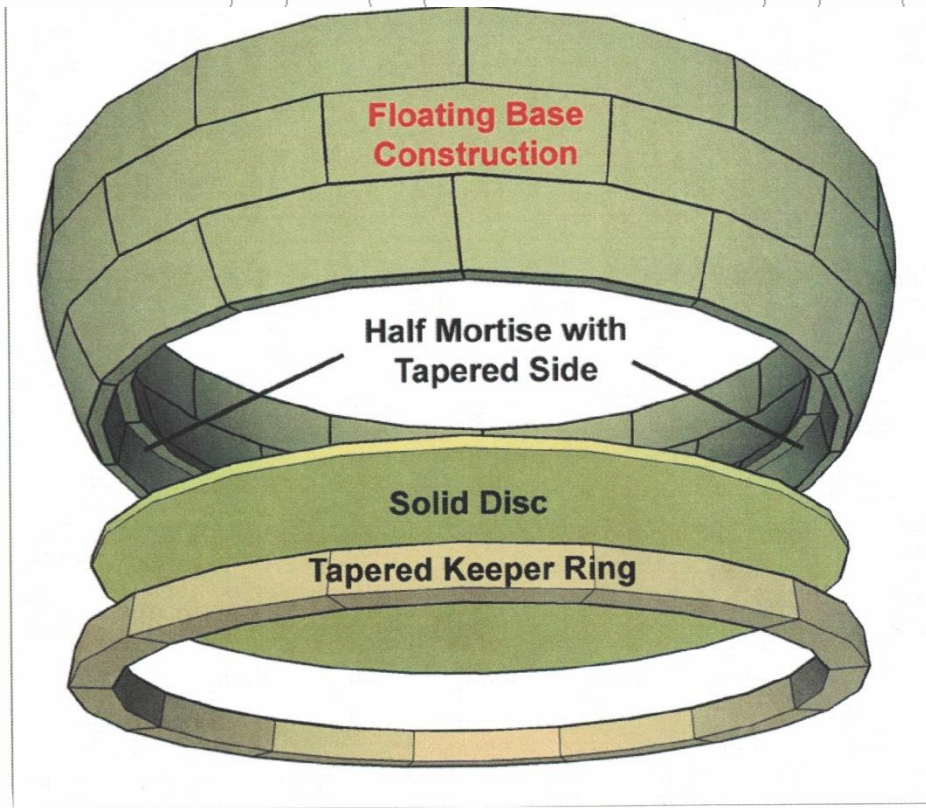
RING SPLITTING



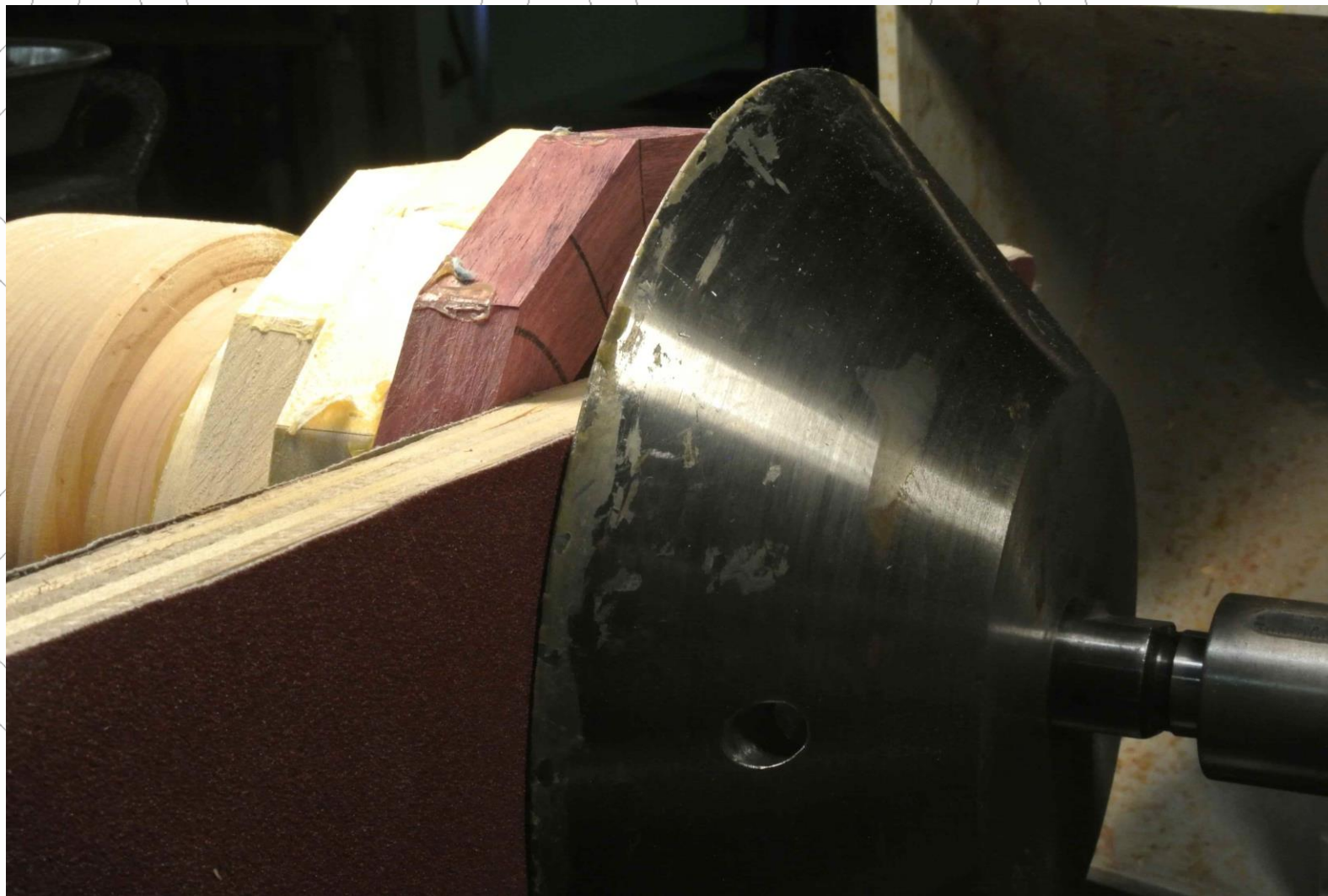
RING FLATTENING



FLOATING BOTTOM



FINAL FLATTEN RINGS



RING #1 TO GLUE BLOCK, DRILL



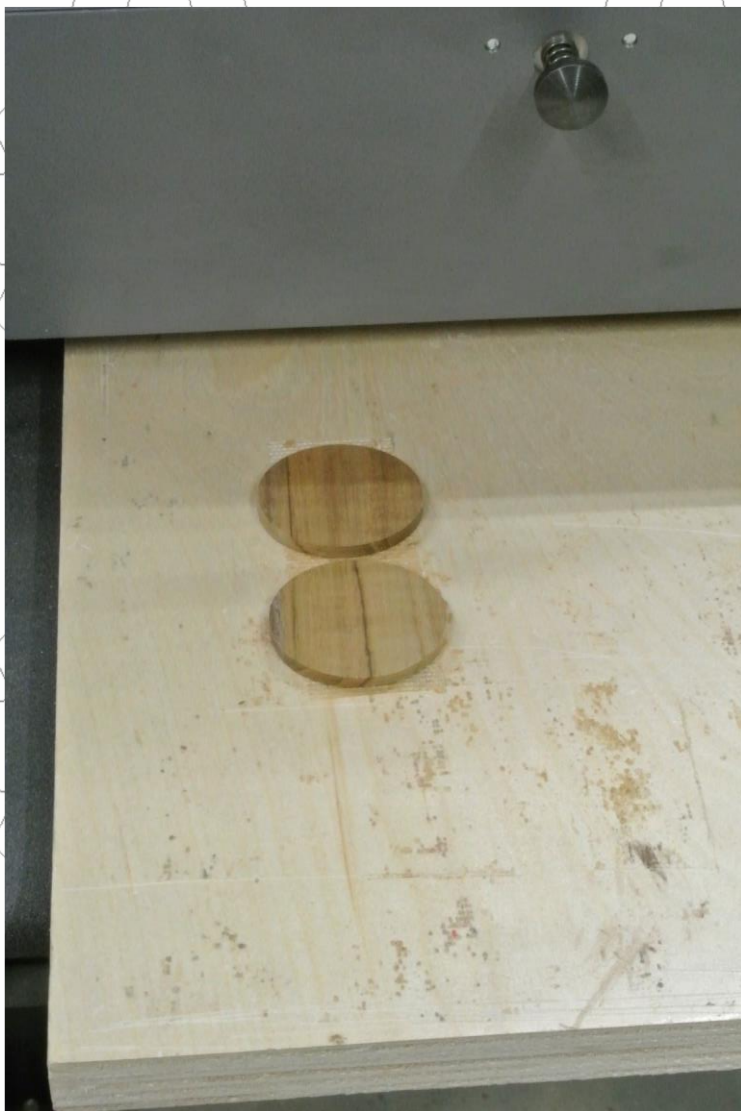
DRILL RING #2



TURN & SPLIT DISK



FLOATING DISK



DISK RECESS



MARK & MEASURE



CUT & FIT



FINAL CHECK

SEAT DISK, GLUE



GLUE DISK, GRAIN POSITION



RING STACKING

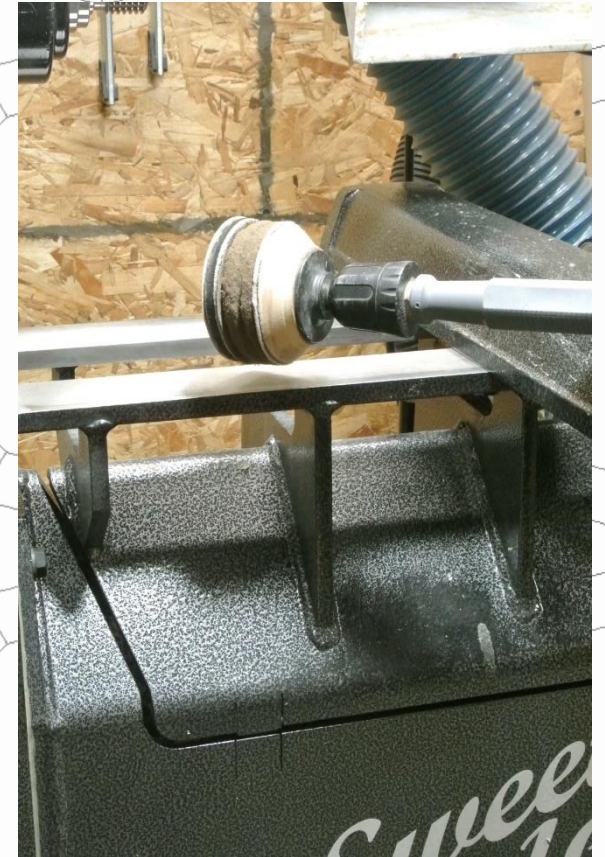
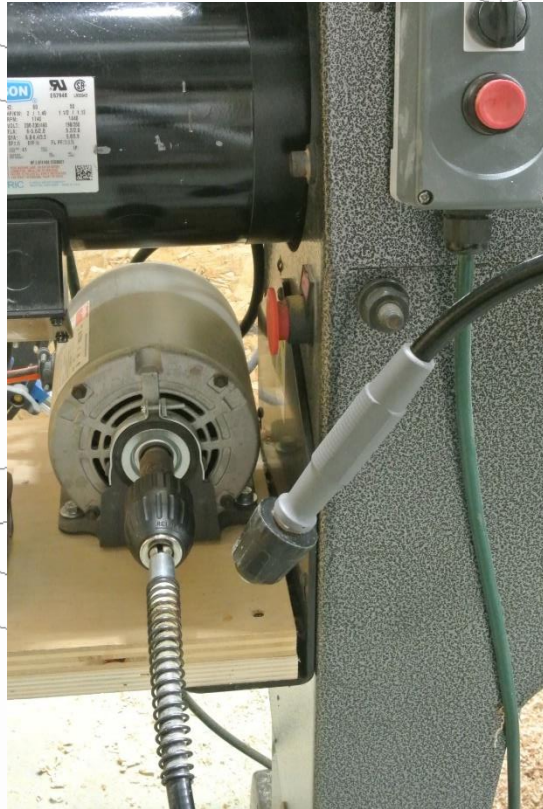




TURNING

- TURNING EXPERIENCE
- SHORT TURNING TIME
- SIDE GRAIN TURNING
- WOOD HARDNESS COMPATIBILITY
- PRE-PLAN

SANDING SYSTEM



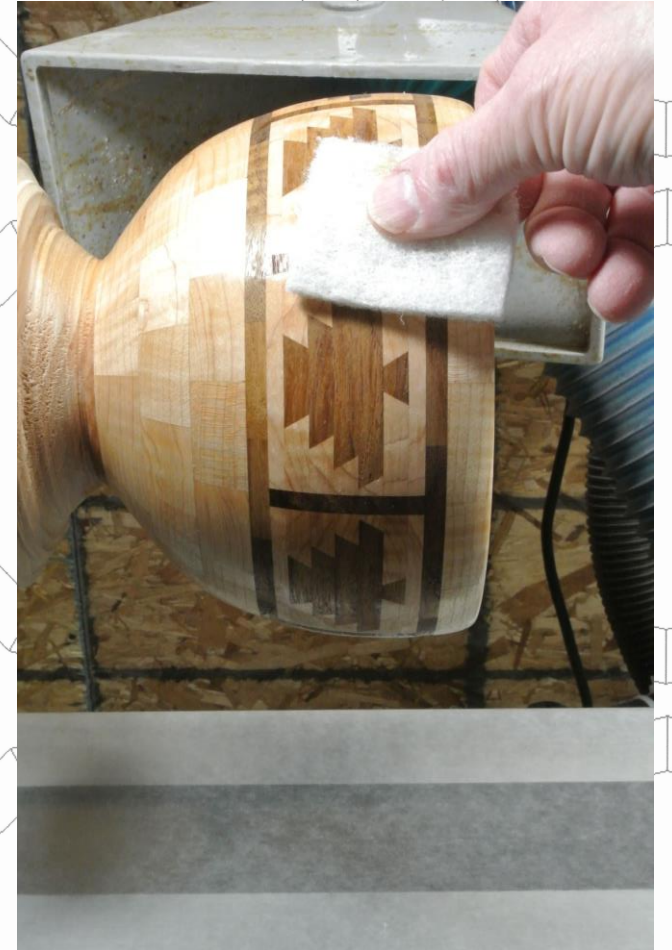
SAND & FINISH



SAND

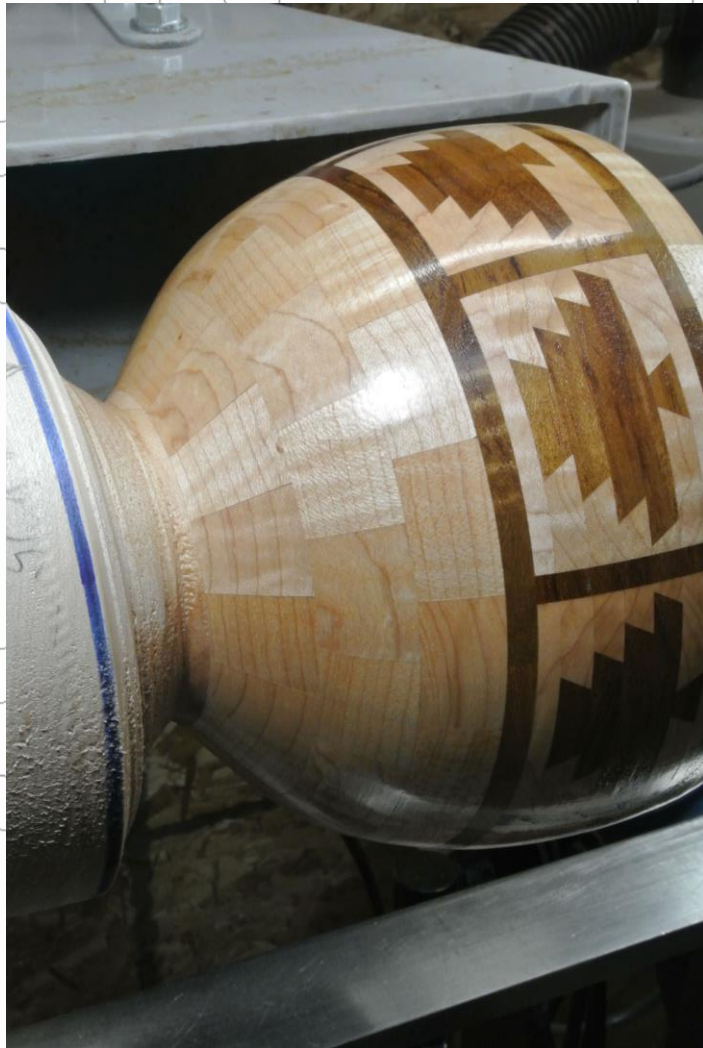


APPLY



KNOCK DOWN

FINISH DONE



REMOVE GLUE BLOCK



TURN BOTTOM



FINISH BOTTOM



FINISHED PROTOTYPE

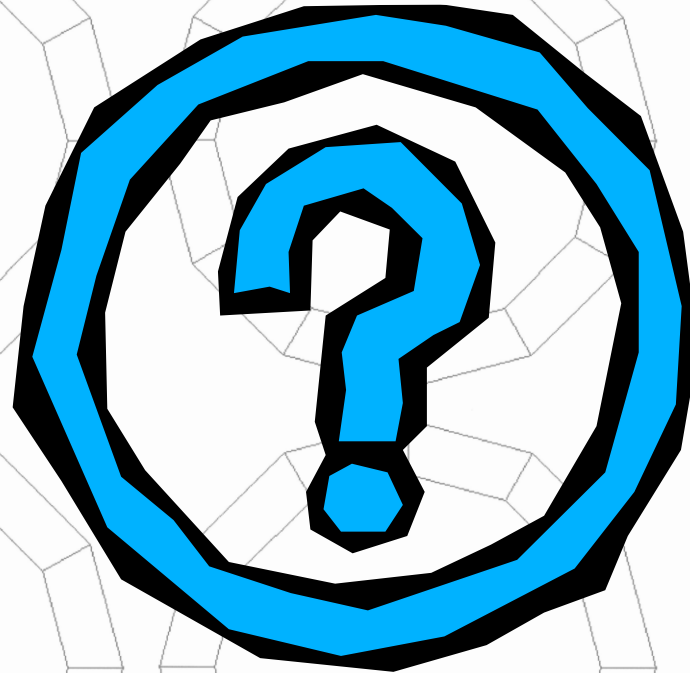


FINISHED



QUESTIONS ???

- **COMMENTS OR IDEAS**



REFERENCES

- WWW.SEGMENTEDWOODTURNERS.ORG
- INFO@PZTURN.COM