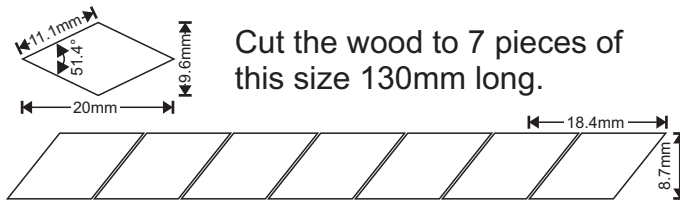


Christmas Tree Bauble

This project plan has been developed from a photo I saw on the web of this bauble with eight segments. This project is one with seven segments.

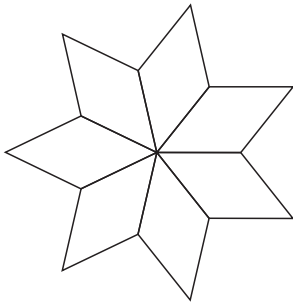


Cut the wood to 7 pieces of this size 130mm long.

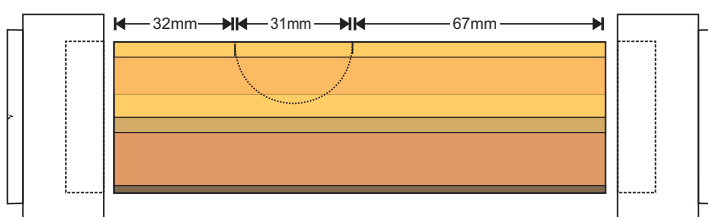
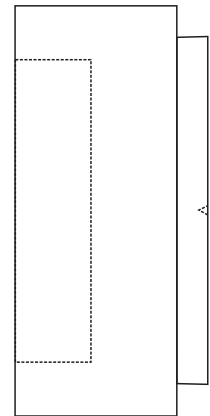
Start with a piece of straight-grained wood about 140mm wide. For ease of dressing and sawing I recommend your wood be sufficient length for four baubles.

Dress it as close to 8.7mm thick as possible. Note the thickness achieved as the next dressing needs to be exactly the same.

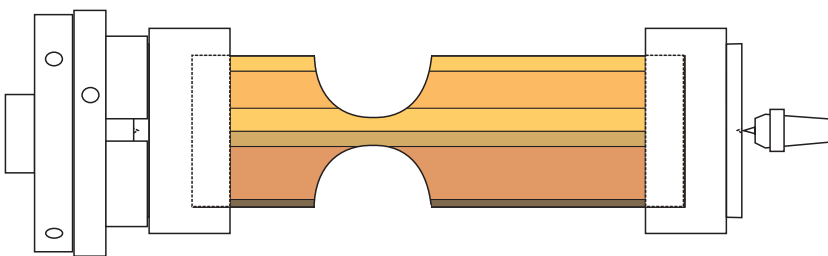
Set the angle of your bench saw to exactly 51.4 degrees. Cut 7 slices from the board. Rotate these pieces so that the dressed faces are together and the sawn faces exposed. Just at the very end of the slices glue them together. This now looks like a board again. Dress it to exactly 8.7mm, or whatever the first dressing thickness was. Cut one glued end off. Then cut the pieces to 130mm long.



Take 7 pieces of the wood. They should come together as shown to the left. They now need to be put on the lathe for the first turning. Make two cup chucks as shown to the right. The hollow in the chucks need not be more than 10mm deep. The sides of the hollowed part must be straight and at right angles to the bottom. The diameter of the hollowed part should be the same as the diameter of the wood when assembled as shown.



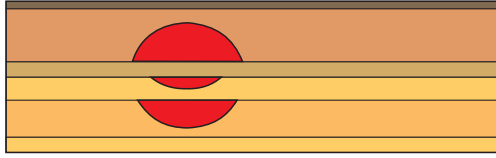
Before mounting the wood on the lathe mark the starting points for the curve you will cut to be the inside of the bauble.



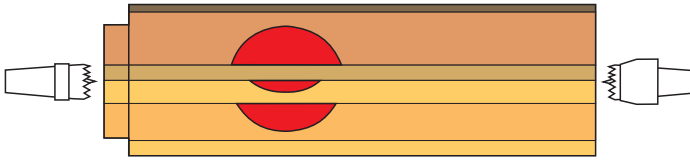
Mount one cup chuck in a scroll chuck. Fit the wood into the cup chuck. Fit the second cup chuck to the other end of the wood. Bring up the tailstock to hold it firmly in place. Cut the curve that will be the inside of the bauble.

Make it a perfect hemisphere. The remaining central shaft of wood should be 8mm diameter. Sand and paint that area. When the paint is dry dis-assemble the entire project. You may need to gently sand the flat wood at the edge of the painted area to remove any protruding paint.

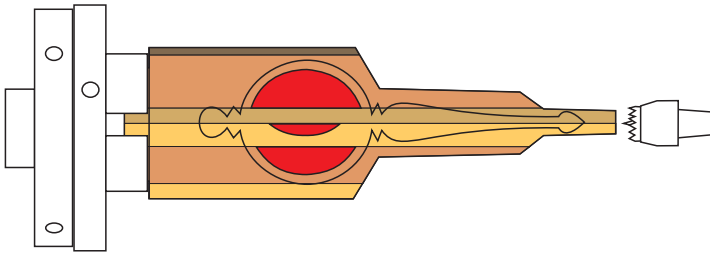
Christmas Tree Bauble P2



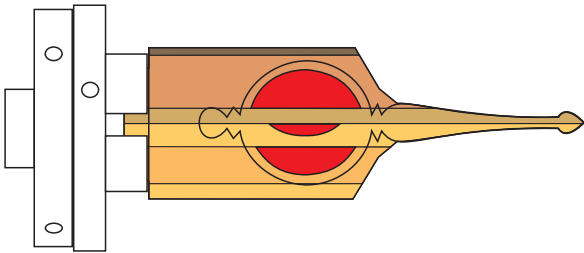
Glue the pieces of wood together with the cut and painted area in the centre. Set it aside for the glue to set.



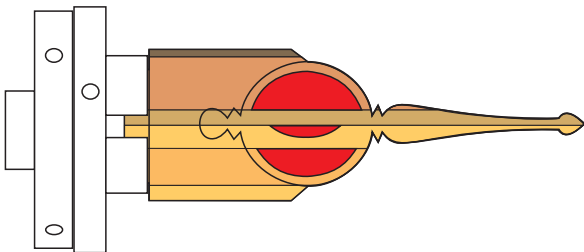
Mount the glued-up wood between centres on the lathe. Steb-style drive and tail spurs are recommended to eliminate splitting pressure on the work. Cut a spigot on the headstock end.



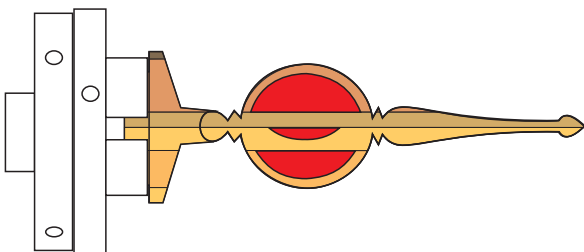
Mount the work in a chuck. Bring up the tailstock. Gently round off the work and cut down towards the tail of the bauble.



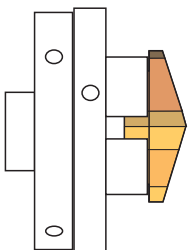
Remove the tailstock. Cut and sand the very end of the tail of the bauble. Then cut further up the stem towards the bulbous part. Sand the stem.



Cut from the widest part of the bulb of the bauble down to the base of the tail and join this cut with the previously finished area. Sand all of this.



Cut towards the headstock end but leave enough wood to support the bauble while the surfaces are cut, sanded and finished.



Part it off. Hand sand and finish the very top. Drill the top bead or add an eyelet for the string.

