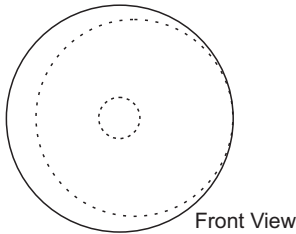
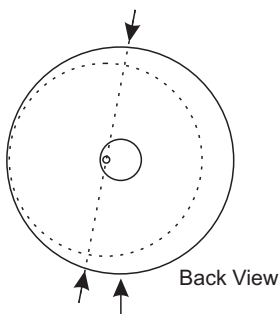


CRESCENT CLOCK

You can make this crescent clock any size you wish. There are also a few other minor options to consider as this project proceeds.



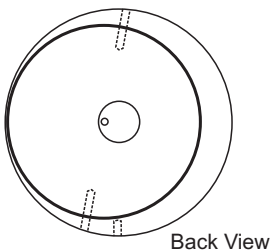
Mount the wood on the lathe by a method which will not leave marks on any surface of the finished clock. Drill a shallow dovetail (54mm for a 50mm Teknatool chuck), or a shallow screw chuck hole, at the centre point of the back of the blank. Cut and finish the edge and both sides of the blank to at least 50mm in from the edge.



Choose the grain orientation of the finished clock.

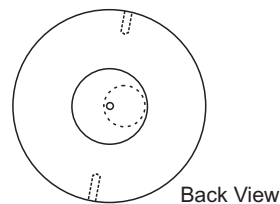
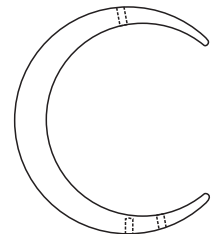
Drill an off-centre hole (about 20mm off for a 300mm high clock) where the centre of the clock face will be. This drill hole needs to be the correct size for a screw chuck and the same as, or smaller than, is needed for mounting the clock mechanism.

Drill holes for the clock pivots. You may choose to have these pivots vertical or at an angle. These holes must be aligned with the exact centre of the clock face, central between the front and back of the clock, and deep enough into the clock face for the pivot pins to hold securely. If you plan to use a dowel to secure the clock to a foot, drill that hole now. Make a small flat around that hole.



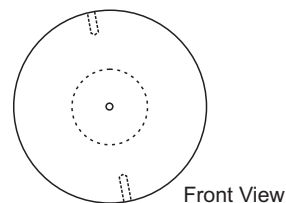
Mount the wood on a screw chuck in the off-centre hole with the face of the clock towards the headstock. Use a narrow parting tool to cut a groove square to the wood and almost through to the clock face. Take the wood off the lathe and bandsaw around this same line to separate the crescent from the clock.

Cut the very sharp ends off the crescent and dress the inside of the curve by hand or on a drum sander. Finish all surfaces. Set this crescent aside.

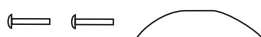


Re-mount the clock on the screw chuck with the face of the clock towards the headstock. Cut a dovetail around the centre for a larger chuck (97mm for a Teknatool 100mm chuck). Make this hole as deep as is needed to contain the clock mechanism and allow for the correct protrusion of the clock shaft from the clock face.

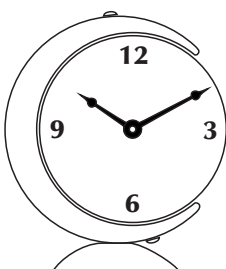
Sand and finish all of the clock back and edges. Remove it from the screw chuck. You may need to hand finish the centre of the clock mechanism cavity.



Re-mount the clock on a chuck expanded into the clock mechanism hole. Make the hole for the clock shaft the finished size needed. Cut, sand, and finish the clock face.



Make two pivot pins to attach the clock to the crescent. These should be a firm fit in the drilled holes. Then the holes through the crescent will need to be eased. Make a foot, with a small flat on top, for the clock to stand on.



Assemble the clock. Glue the pivot pins into the clock face while leaving them free within the crescent. Wedge the clock face to a central position while the glue sets. The foot may be attached with a totally hidden pin or a screw from the base.