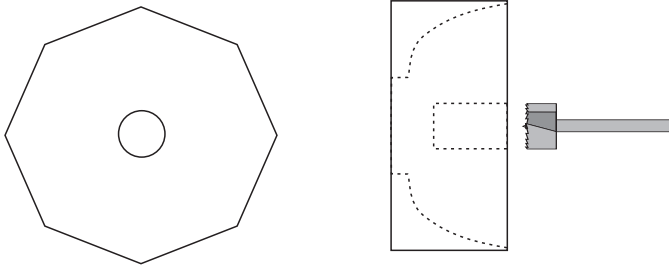
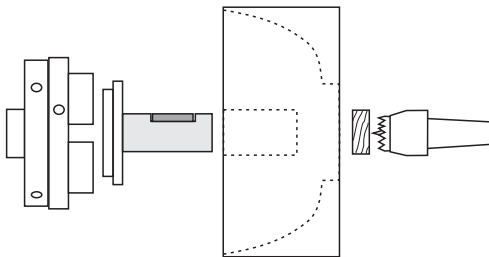


Oamaru Stone Bowl

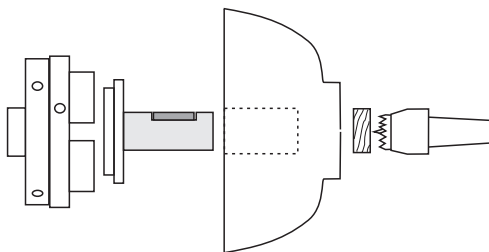
Oamaru stone blocks are cut to size with a carpenter's saw and then mounted on a woodturning lathe in a way that avoids strong gripping and the use of steel jaws and steel centres. The stone can then be turned to shape using woodturning scrapers and a lathe speed of less than 500rpm. This process is dusty but the limestone dust is not harmful to humans or the machinery.



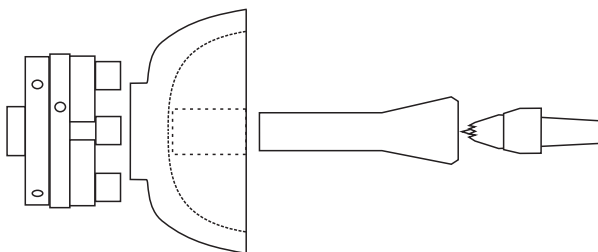
Start with a block of stone 130 square and 60mm thick. You may saw off the corners for easier turning. Drill a flat-bottomed hole from the face side to about 25mm from the planned outside edge of the bottom of the bowl.



Put a short pin chuck in a four-jaw chuck fit it into the drilled hole in the stone. Bring up the tailstock against a scrap of wood to further secure the stone.



Turn the outside to shape. Sand. Remove the stone from the lathe.

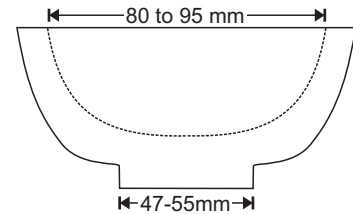


Use wooden or plastic jaws in a chuck to hold the foot of the bowl. Make a wooden dowel addition to the tailstock and bring that up into the drilled hole to better hold the block on the lathe. Hollow the block but keep the wall thickness at 20mm or more. Remove the tailstock only for the last few cuts and to sand the inside.

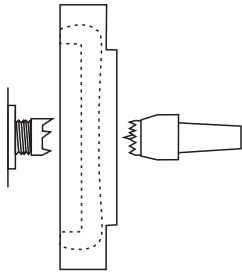
Remove the bowl from the lathe and thoroughly coat it with a sealant. You now have a plain white stone bowl which you can keep as it is or enhance it with a wooden rim or a wooden foot or an entire wooden bowl within the stone bowl. Secure these additions with silicone, not a hardening glue.

Bowl Enhancements

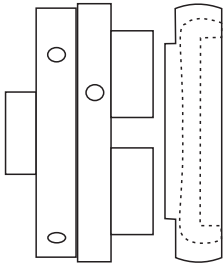
This plan is for a rim of dark wood on the top of the bowl and an enclosure of similar dark wood on the foot of the bowl. The size of the pieces will be determined by the size of the bowl you make so it can be easier to make a bowl that is within the dimensions shown here so that regular woodturning chucks can be used. If you do not have these chucks, or your bowl differs in size, you will have to use other methods to hold the wood.



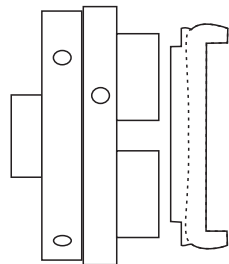
Foot



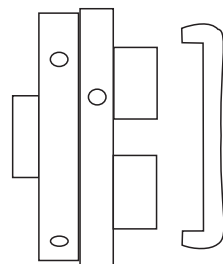
Mount a 70 x 70 x 15 mm piece of dark wood between centres and cut a spigot for a 50mm chuck on one side



Turn the wood over and mount it in a chuck. Make the wood round and to a diameter about 10mm greater than the foot on the bowl. Make this outside edge a shape of your choice.



Cut a recess to loosely fit the foot of the bowl. Further cut the outside edge to a shape of your choice now also taking note of the wood thickness needed to cover the foot of the bowl. Sand the outside edge.

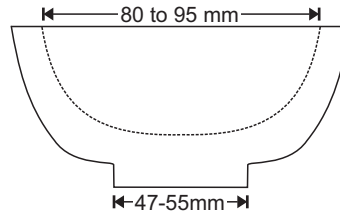
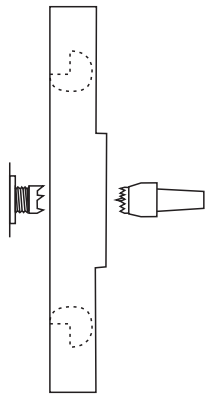


Turn the wood over and mount it on a small chuck used in dovetail mode. Turn the outside of the wood to the desired shape for the foot of your bowl. Sand and finish all exposed surfaces. Remove it from the lathe.

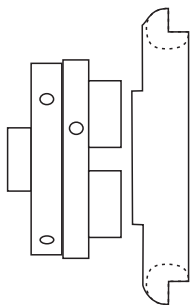
Bowl Enhancements

This plan is for a rim of dark wood on the top of the bowl and an enclosure of similar dark wood on the foot of the bowl. The size of the pieces will be determined by the size of the bowl you make so it can be easier to make a bowl that is within the dimensions shown here so that regular woodturning chucks can be used. If you do not have these chucks, or your bowl differs in size, you will have to use other methods to hold the wood.

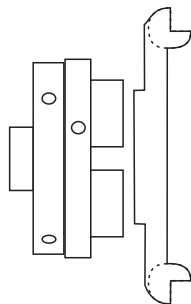
Bowl Rim



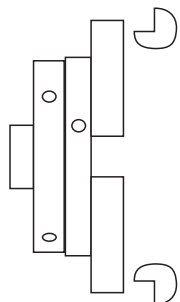
Mount a 135 x 135 x 20 mm piece of dark wood between centres and cut a spigot for a 50mm chuck on one side



Turn the wood over and mount it in a chuck. Make the wood round and to a diameter that will fit to your chosen position on the rim of the bowl. Make this outside edge a shape of your choice. Cut a notch into the outside edge so that the wood will fit comfortably onto the bowl. Sand this outside edge.



Cut into the centre of the wood to about half way through. Cut the inner curve of the bead where it will be inside the bowl. Sand this area.



Turn the wood over and mount it in a wide-jawed chuck. Complete cutting the wood to a round shape to be the inside edge when it is on the stone bowl. Sand and finish all the exposed wood surface.