

Candle sticks with a twist. By Kevin Purdy

Timber used is brown oak. Stem 75mm x 75mm x300mm. Top 150mm x 150mm x 50mm. Base 200mm x200mm x50mm. Feet 50mm x 50mm x 200mm.



A rough sketch of the desired candle stick.

The stem.



Place the timber for the stems between centres, turn to round, make a tenon on both ends and form the shape.



When I had both stems turned to the shape I then marked them both off . Opposite twists to make a pair.



Cut along the diagonal lines with a saw with a back on it, (tenon saw, I used a gentleman's saw) then using a three cornered file along those cuts made. Use round rasps to enlarge the kerfs.



After the use of the rasps use different grades of files to get the twists finer. Work through the grits of abrasive until smooth and all marks from filing are removed. Seal with sanding sealer.

Top.



Place the top between centres and form a tenon on the face that will be the top of the candle stick. Using the tenon reverse and place in the chuck.



Drill out with a forstner bit a mortice to take the tenon on the stem. Form the shape of the top. Form a slight concave to the shape of the pillar candle holder, drill out to take the threaded point of the candle holder. Divide from the edge and the concave made and form a groove for the inlay. Two of these are made.

The Base.



Mark out the centres to the back and front of the blank and place between centres. Form a chucking point to one side (this will be the top face) and place in to a chuck using this chucking point made. Face off flat and form another chucking point also creating a bit detail as this will be nearly the finished point. (this is the bottom.) Mark out for holes for the button feet and drill with a 6mm drill. Drill out square to the face, (here I used a precision Boring system.) Sand through the grits and sand seal it. Reverse and once again chuck it using the chucking point just made.

This is now the top of the base. Drill out for the tenon using a forstner bit to allow the tenon to fit nicely on the stem. Form the required shape and sand through the abrasives then sand seal. Reverse one last time and hold the base in the mortice and take off the chucking point. Sand and then sand seal.

The button feet.



Turn to round the timber for the feet. Form the shape, sand, make the small 6 mm tenon, sand seal then part off. Make two bases and six button feet. Do not glue in to place at this point.

The inlay.



Now back to the tops and where the grooves were cut, in between the slight concave for the brass plate for the candle and the perimeter, fill the groove with a mix of the volcanic rock and then cover with thin

CA glue. Do not overfill. Allow to dry and then sand down starting with 60 grit. This will take some time but keep away from the timber when sanding until when using the finer grades.



Polish up with the chestnut buffing system. Vonnax, white diamond and finally carnauba wax.



Finally glue all together using PVA glue.



Templates made and used to create the same shapes. Note a change was made with the base. Firstly I was going to make a cove base but changed it to a ogee. I felt it was better.