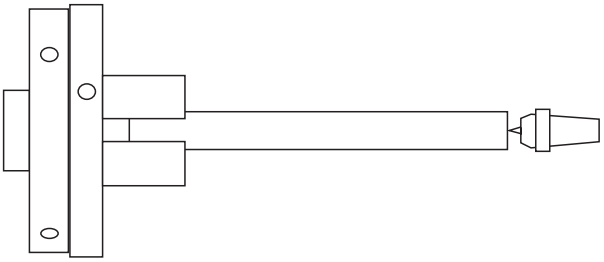
WOODTURNERS
SOUTH AUCKLAND
WOODTURNERS GUILD INC
TURNING TOMORROW'S TREASURES

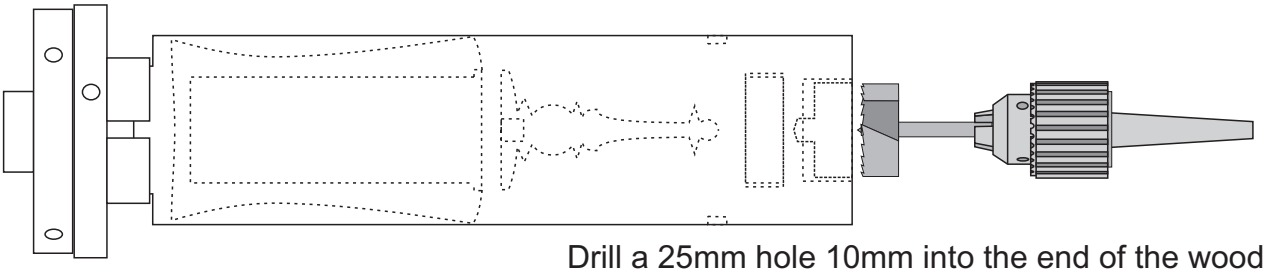
Pop-Up Toothpick Holder

This project keeps toothpicks away from the dust of daily life but readily available when wanted for use. Some thin turning is needed so use straight-grained, firm wood.

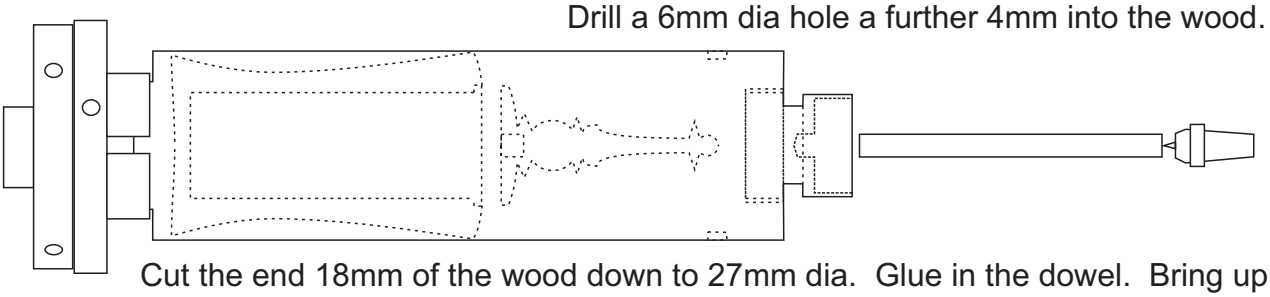


Take a piece of straight-grained wood 100mm long by 10mm square. Mount it in pin jaws and bring up the tailstock. Turn it to a dowel 6mm diameter and 80mm long. Part it off and set it aside. This is to be the shaft between the lid and toothpick cup.

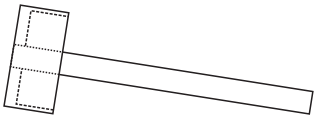
For the rest of the project take a piece of wood 190 x 50 x 50. Mount it between centres, turn it round and turn a spigot on one end for a 30mm chuck. Mount it in a 30mm chuck.

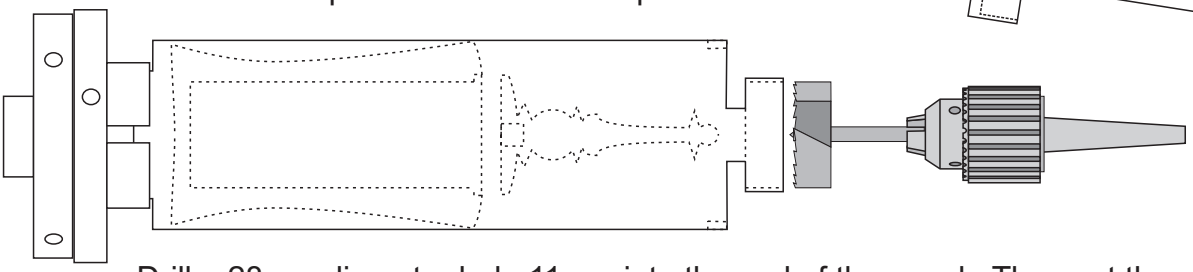


Drill a 25mm hole 10mm into the end of the wood. Drill a 6mm dia hole a further 4mm into the wood.

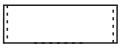


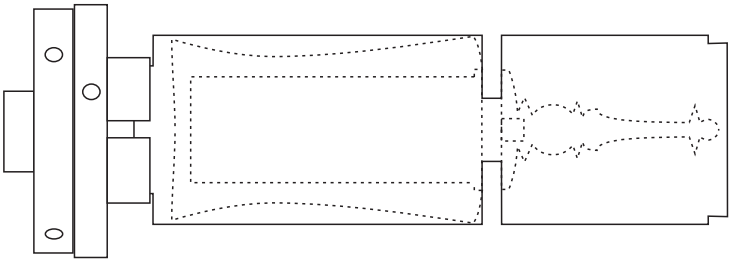
Cut the end 18mm of the wood down to 27mm dia. Glue in the dowel. Bring up the tailstock to get the dowel straight. Complete the parting cut so that the piece parted off is 13mm long. This is the cup that will lift the toothpicks. Set this aside.





Drill a 28mm diameter hole 11mm into the end of the wood. Then cut the end 15mm of wood down to 30mm diameter. Part this ring of wood off so that it is 10mm long. This is a security ring that will be fitted inside the barrel of the toothpick holder to stop the cup from being lifted out. Set this aside.





Cut a spigot for a 50mm chuck in the end of the wood. Part off the 60mm long end block. This should leave 88mm of wood protruding from the chuck.

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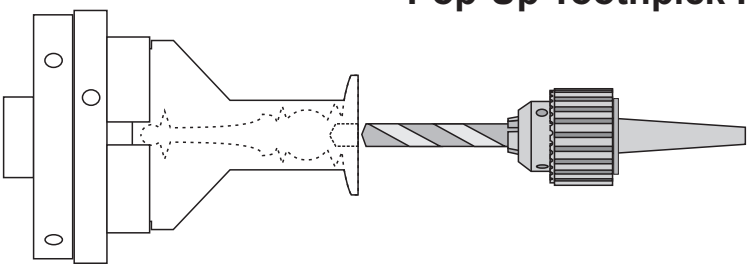
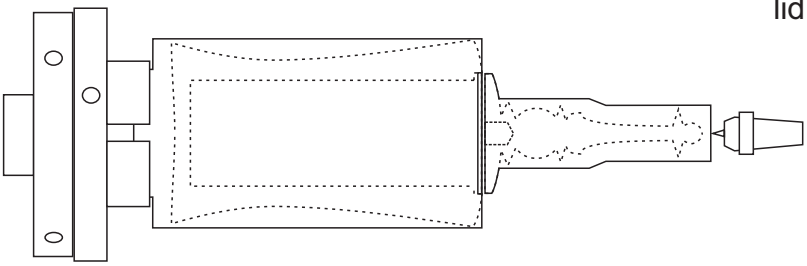
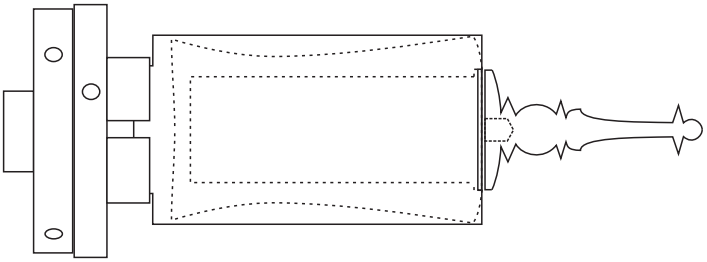
Pop-Up Toothpick Holder P2



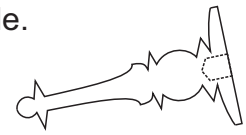
Mount the lid in a 50mm chuck. Drill a 6mm hole 6mm into it. Turn the diameter to 32mm. Turn more further up the piece. Leave 2mm thickness for the edge of the lid. Sand the underside and edge of the lid. Take the wood out of this chuck.

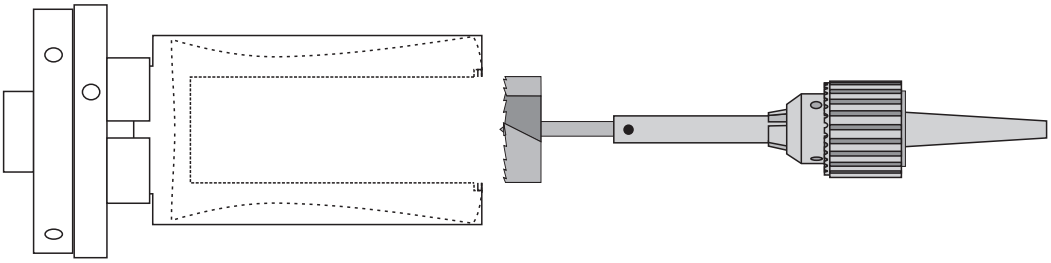


Cut a 1mm deep by 32mm dia hollow in the end of the toothpick holder body wood so that it becomes a jam chuck for the lid and finial. Bring up the tailstock. Hotmelt glue the lid in place. Cut the bulk of the spare wood away.

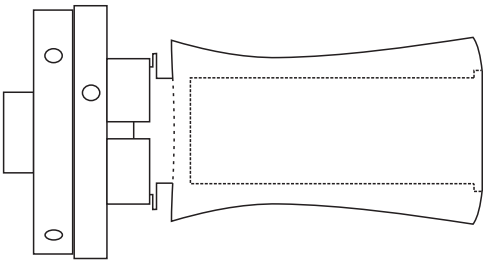


Take the tailstock away and cut the finial. Sand and finish. Then set this part aside.

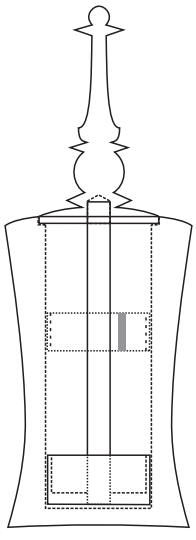




Drill a 28mm dia hole 77mm down the body piece.



Cut the lip at the top to 2mm deep and ensure that the lid is not a tight fit. Shape the top to match the curve of the lid. Shape the outside and start the parting cut. Sand and finish all surfaces. Complete the parting off cut as a slight concave.



Assembly. Put the cup and shaft into the body and dry fit the lid to the end of the shaft. Trim the shaft as needed to allow the lid to fit down into the body. Set the lid aside. Mark the mid point on the shaft with tape. Cut about 8mm out of the security ring so that it can be squeezed and fitted into the barrel. Push it well down and then lift the shaft, and thus pull the security ring, to the mid point as marked on the shaft. Glue the security ring in this position. Glue the lid to the top of the shaft.