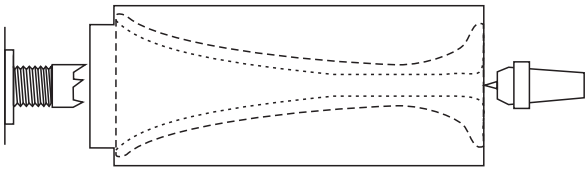
WOODTURNERS
SOUTH AUCKLAND
WOODTURNERS GUILD INC
TURNING TOMORROW'S TREASURES

PINARD'S STETHOSCOPE

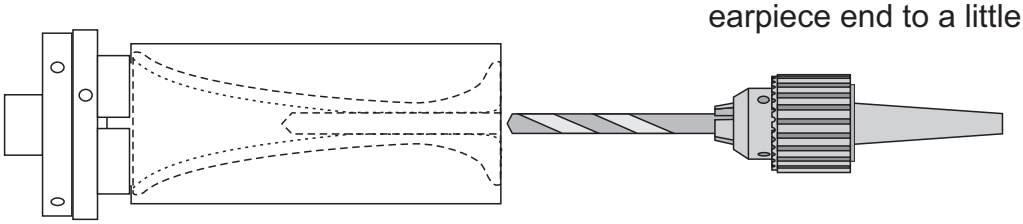
Adapted from the model made by Paul Dangerfield and Rex Hall of Waikato Woodworkers.

The design shown here has been modified to use only a 50mm chuck. Larger or smaller models will require other equipment.
Start with a block160mm long and 65mm (or more) square.

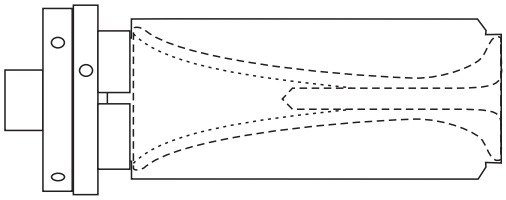


Mount the wood between centres, round it off and make a 50mm spigot on the trumpet end.

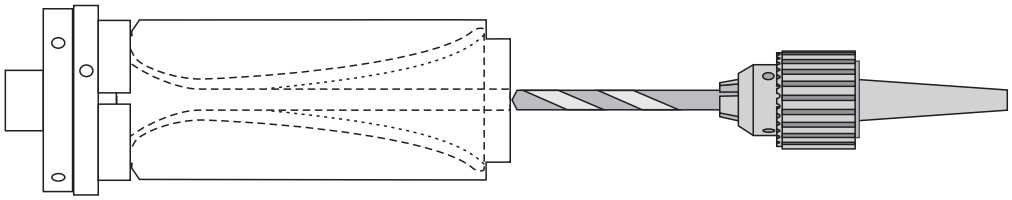
Turn it around and mount by the spigot. Drill a 9mm hole down the centre of the earpiece end to a little past half way.



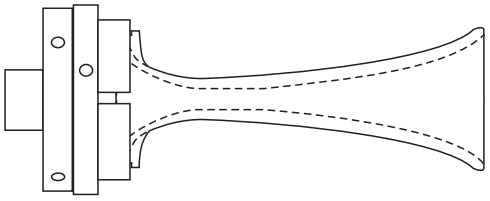
Turn a little spigot on the earpiece end 45mm diameter.
The earpiece is flat with a little curve into the drilled hole. Sand and finish all this inside surface.



Turn the wood around and mount it by the earpiece end. Drill a 9mm hole to meet with the first hole.



Turn the trumpet end to 60mm diameter. Hollow the inside to a nice curve.
You may now opt to sand and finish this inside area then bring up the tailstock with a wood cone to steady the work while you cut and finish the outside.



Turn the wood around. Wrap the trumpet end well and hold it lightly in a chuck. Make a wooden cone to fit between the inside of the earpiece to the moving part of the live centre. Bring up the tailstock to hold the wood firmly against the chuck. Tighten the chuck just enough to ensure that the wood rotates. Turn, sand, and finish the outside of the earpiece.