

Woodpecker Door Knocker

Requirements list:-

Timber

- ✓ 1. $1\frac{1}{4}" \times 1\frac{1}{4}" \times 7\frac{1}{2}"$ (32mm X 32mm X 190mm) PIPE/PIPE BODY
2. $1\frac{1}{2}" \times 1\frac{1}{2}" \times 7"$ (32mm X 32mm X 190mm) Hard wood BODY
3. $1\frac{1}{2}" \times 1\frac{1}{2}" \times$ (32mm X 32mm X 190mm) White wood BODY

$\frac{1}{2}"$ (12mm) drill bit

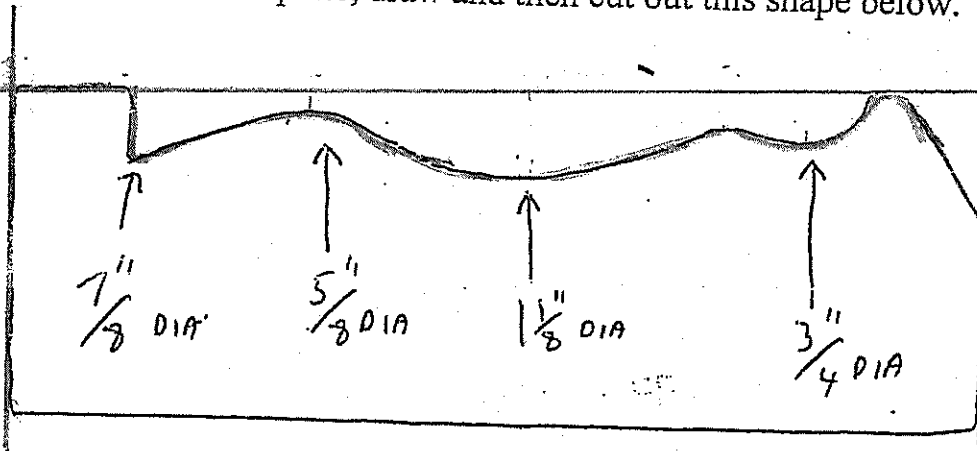
4mm Drill bit

$\frac{1}{4}"$ (6mm) Drill bit

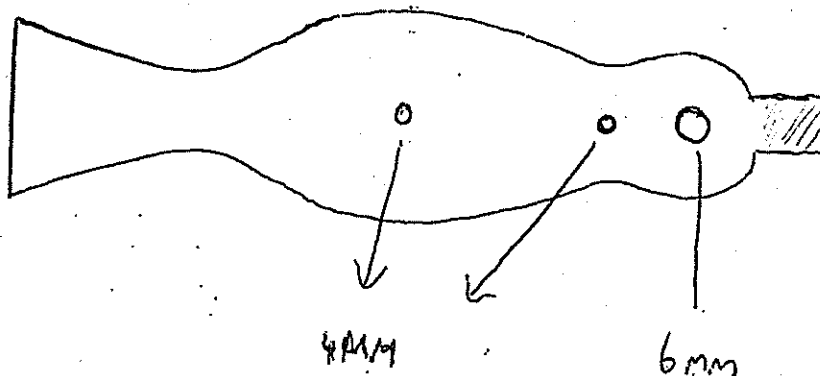
12" (305mm) strong cord

1" long piece of curtain wire

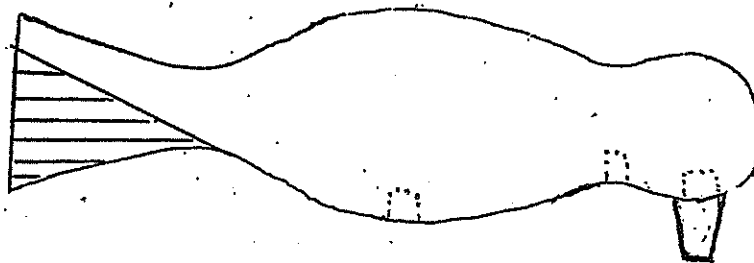
A piece of card for a template, draw and then cut out this shape below.



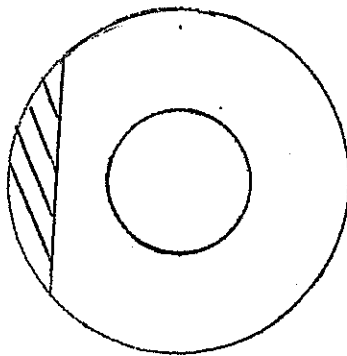
1. Place timber No1. into your chuck jaws and bring up your tailstock to steady it.
2. Turn it to a cylinder.
3. Allowing approximately $\frac{1}{2}"$ (12mm) for waste at the right hand side (tailstock end) Start to mark out using the template.
4. Now start to shape as per the template.
5. Once it is shaped you will need to drill two 4mm holes and one 6mm as shown below.



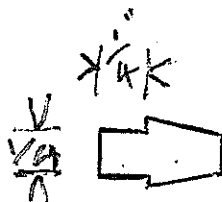
6. Now sand and seal, then part off.
7. You will now need to cut a slice of the bird to shape it's tail, see below.



8. Sand and finish.
9. The remaining piece of wood in the chuck needs to be turned into a light pull.
10. Place timber No2. into your chuck jaws.
11. Drill a $\frac{1}{2}$ " hole as long as your drill will allow through the centre. If necessary turn the wood around and drill from other end. The hole needs to be $5\frac{1}{2}$ " deep.
12. Now turn into a cylinder $1\frac{1}{2}$ " diameter.
13. Sand and seal.
14. Drill a 4mm hole 3" from the right end approximately 6mm deep.
15. Drill another 4mm hole 4" from the right end at a 45° from left to right all the way through to the $\frac{1}{2}$ " hole.
16. Part off at $5\frac{1}{2}$ " long.
17. You now need to cut a $\frac{1}{4}$ " slice off the cylinder the whole length of the opposite side to the holes.



18. Place timber No3. into your chuck jaws.
19. Turn it down to $\frac{3}{8}$ " diameter then shape as below.



20. The spigot is $\frac{1}{4}$ " diameter X $\frac{1}{4}$ " long and the beak is $\frac{3}{8}$ " long tapered down to $\frac{1}{4}$ "
21. Sand and seal, part off.
22. You now have to assemble all the parts.
23. Glue the beak into the birds head.
24. Glue the cord into the hole in the birds neck.
25. Glue the curtain wire into the birds body.
26. Thread the cord through the 45° hole and then place the end of the curtain wire in the remaining hole and check for length, adjust as necessary. Then glue in place.
27. Fit your light pull to the end of the cord.

