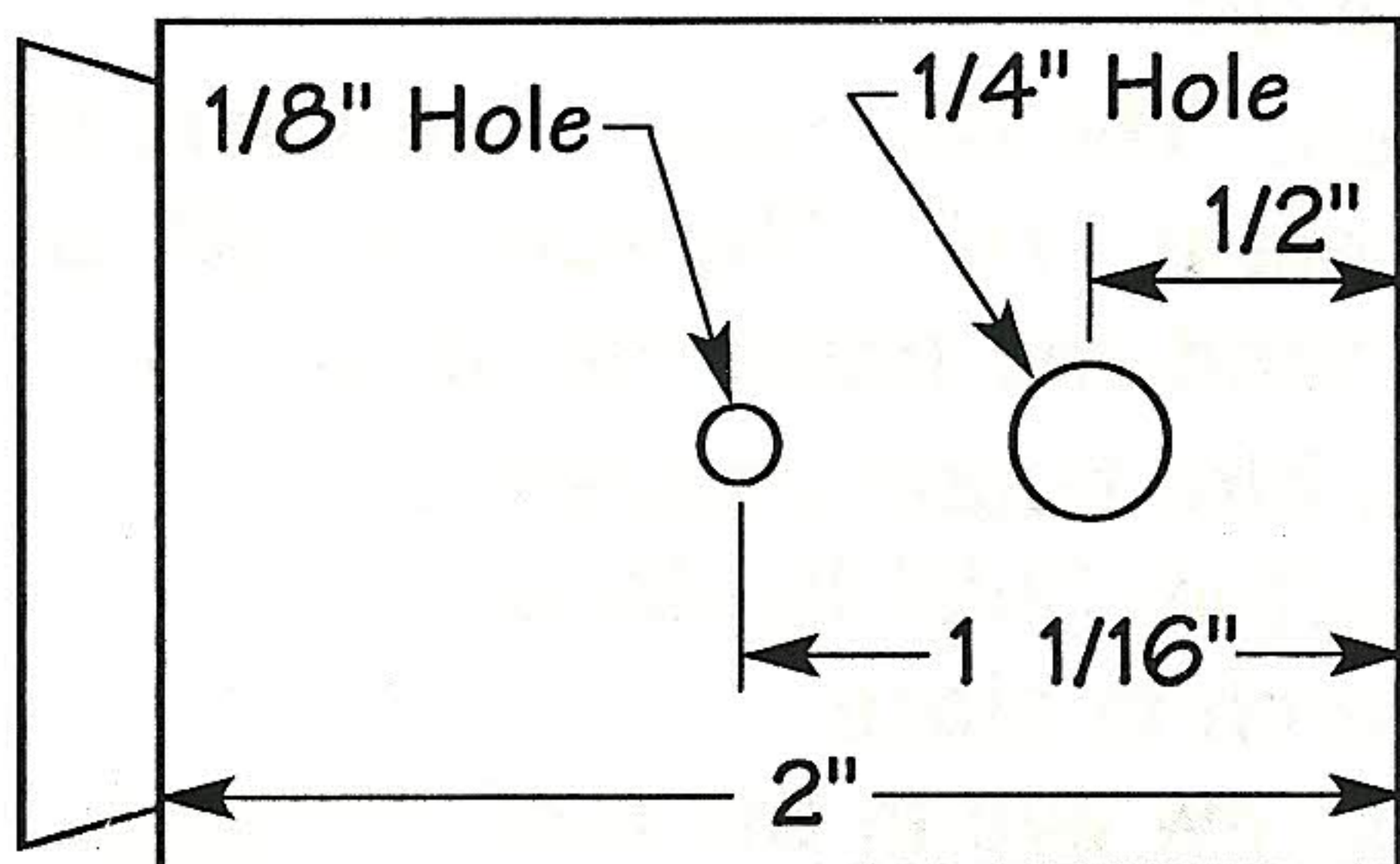


# Birdhouse Ornament #3

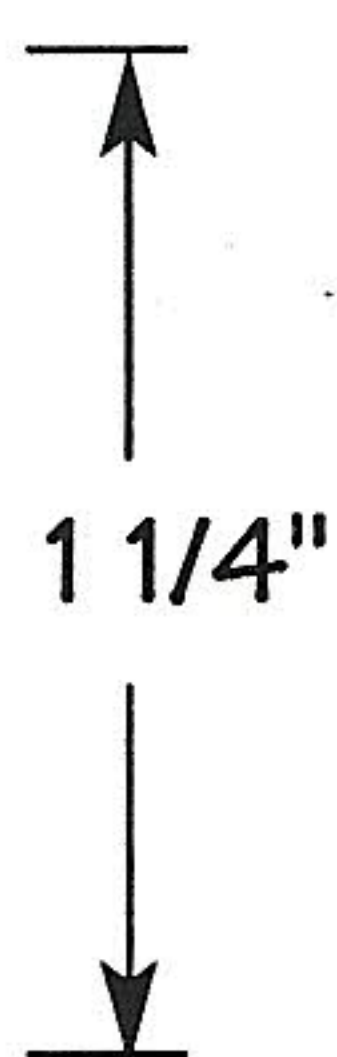
Craft Supplies USA

## Turning the Body

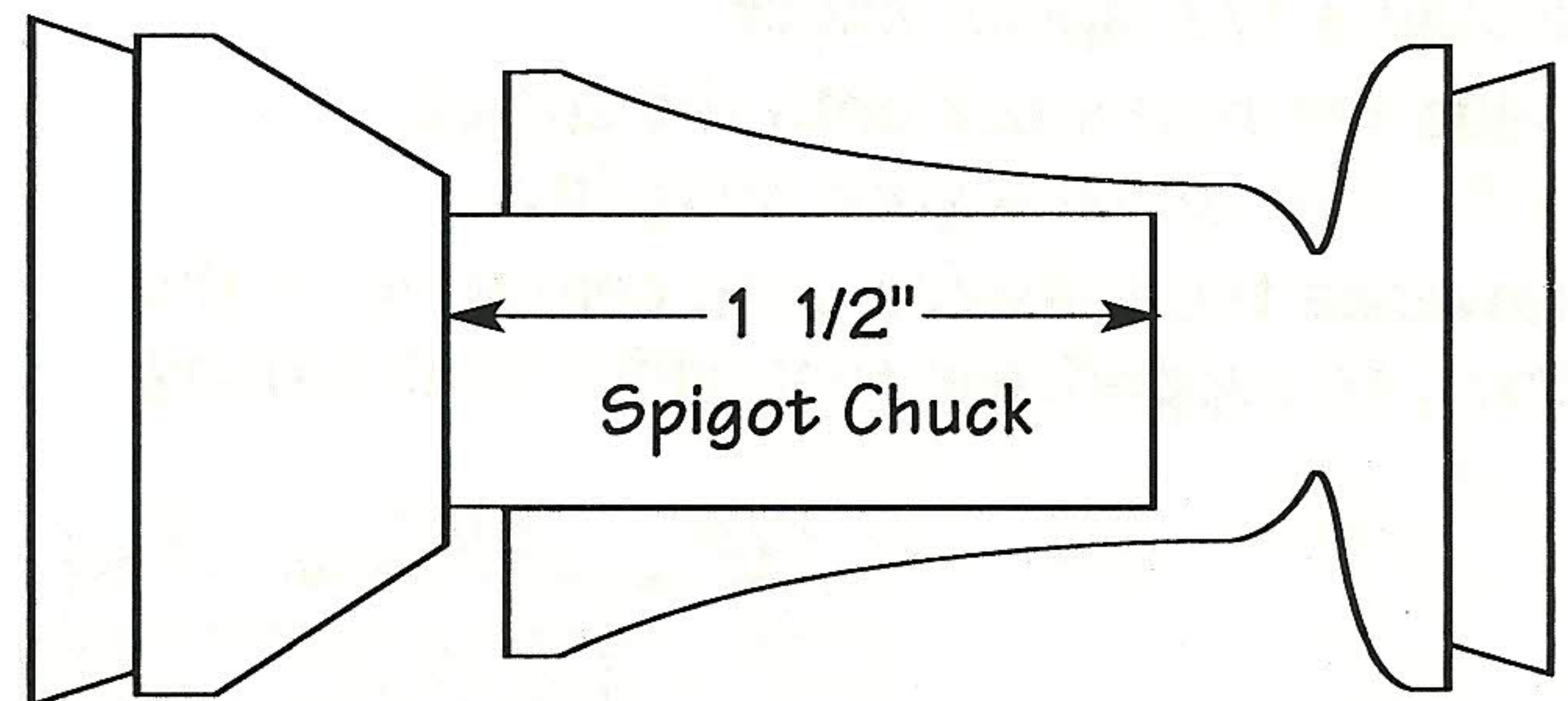
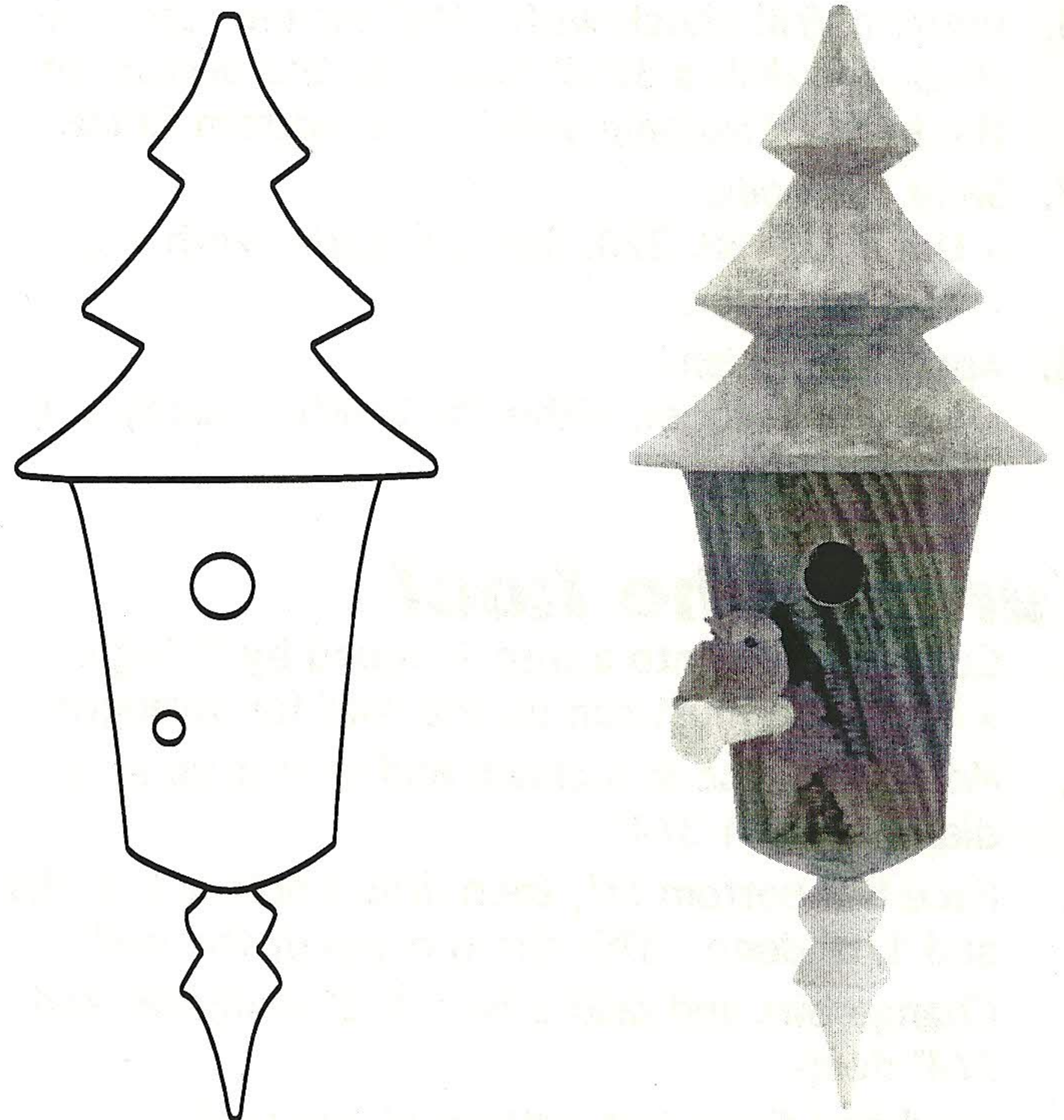
1. Turn a cylinder to 1 3/8" diameter and 2 1/4" long.
2. Square the ends with a parting tool and cut a 5° shoulder on the bottom end for holding the cylinder in a chuck.
3. Decide on the front of the body and mark the entrance hole and perch hole.
  - Center punch the hole.



4. Drill the 1/4" entrance hole 1/4" or so deep.
  - Use a V-Block and the drill press.
5. Drill the 1/8" perch hole 1/4" or so deep.
6. Place the body in a chuck.
  - Use the skew point to make a small entry hole so the drill bit will stay on center.
7. Drill a 5/8" hole to a depth of 1 3/8".
  - Don't go too deep.
8. Turn the outside to shape as much as you can without hitting the chuck jaws.
  - Leave a 1/8" shoulder at the top of the body where the diameter is finished to 1 1/4". This shoulder will fit into the top.



9. Prepare stock and turn a spigot chuck to the following dimensions.
  - The spigot will be 5/8" dia. by 1 1/2" long.
  - Check the diameter with a 5/8" wrench.



10. Slide the body onto the spigot. The fit should be snug but not too tight, or the body may crack if forced over the spigot.
  - If it is too loose, use masking tape or paper tissue to obtain the desired fit.
11. Rotate the assembly by hand to be sure it is running true.
  - If it is out a 1/16" or so, this shouldn't be a problem.
  - If it is out too much, make the necessary adjustments.
12. Move the cone center up to point of contact with the body, and advance it into the wood until the cone center spins when the lathe is turned on.
13. The finished body length is about 1 5/8" so about 3/8" will be turned off the body.
14. Turn the lower part of the body to a pleasing curve similar to the drawing.
  - Use a 3/8" spindle gouge and cut down toward the cone center.

