

STEPS FOR MAKING VETERANS CHRISTMAS ORNAMENTS

BY OZARK WOODTURNERS 11/10/15

1. CHRISTMAS TREE (1 1/2 INCH SQUARE AND 3 1/2 INCHES LONG)
2. SNOW MAN (MAPLE) (2 INCHES SQUARE AND 4 INCHES LONG)
3. TREE ORNAMENT (1 1/2 INCH SQUARE AND 3 INCHES LONG)
4. BELL TREE ORNAMENT (1 1/2 INCH SQUARE AND 1 3/8 INCHES LONG)

PREPARATION STEPS

- 1,2,3,&4 CUT TURNING BLANKS TO ABOVE DIMENSIONS.
1. BETWEEN CENTERS, ROUND BLANK AND MAKE A TENNON, (APPROX. 1 1/4 INCH DIAMETER AND 3/8 INCH LONG) ON HEAD STOCK END.
 - 2., 3., & 4.
 - A. CENTER DRILL A 23/64 INCH HOLE 7/8 INCH DEEP (FOR BOTTLE STOPPER MANDREL CHUCK)
 - B. USING A BOTTLE STOPPER MANDREL WITH A 1/2 INCH DIAMETER BUSHING (SEE VETERAN COORDINATOR) AND TAIL STOCK CENTER, TURN THE BLANK ROUND AND ROUND THE HEAD STOCK END DOWN TO THE BUSHING.
 3. & 4.
 - A. DRILL A 3/8 INCH HOLE 1/8 INCH DEEP IN 23/64 INCH HOLE (FOR 3/8 INCH SCREW CAP (button) FOR 3 & 4)
 - B. USING A MORSE TAPERED JAM CHUCK WITH 3/8 INCH COLLET (SHOP MADE), CENTER DRILL THE 3/8 INCH SCREW CAP (button) WITH A .039 INCH (1mm) DRILL (FOR THE EYE SCREW (HOBBY LOBBY)). (LOCATE CENTER WITH TOE OF SKEW CHISEL FOR DRILL.)
 - C. OZARK WOODTURNERS CLUB PROVIDES 3/8 INCH SCREW CAPS (buttons) & EYE SCREWS.

VETERANS

1. MOUNT A CHRISTMAS TREE BLANK IN A SCROLL CHUCK, USING A 60 DEGREE REVOLVING CENTER FOR ALIGNMENT AND SUPPORT. LAY OUT THE DIMENSIONS FOR PARTING OFF THE BASE FROM THE TURNING STOCK, THE STAND, THE TRUNK, AND THE TREE BRANCHES. ESTABLISH THE TREE TAPER. MAKE THE BRANCHES USING A CORNER OF A SQUARE CARBIDE INSERT TOOL. THEN REMOVE THE TAIL STOCK, CAREFULLY REFINE THE TOP OF THE TREE, TURN THE TRUNK OF THE TREE AND THE STAND, SAND, FINISH, AND PART OFF THE STAND FROM THE REMAINING STOCK.

2., 3., & 4. MOUNT THE BLANK ON THE LATHE USING A BOTTLE STOPPER MANDREL WITH A 1/2 INCH DIAMETER BUSHING (PROVIDED). TIGHTEN THE BLANK HAND TIGHT ON THE MANDREL. (USE A REVOLVING CENTER IN THE TAIL STOCK UNTIL FINAL TURNING.) LAY OUT THE DIMENSIONS AND TURN TO DESIRED SHAPES. SUGGESTED SHAPES ARE AVAILABLE IF DESIRED. SAND AND FINISH AS DESIRED. REMOVE THE TURNED ITEM FROM THE MANDREL. (YOU MAY HAVE TO USE A WRENCH ON THE MANDREL AND A RUBBER GRIPPING PAD ON THE BLANK TO REMOVE THE BLANK). FOR ITEM 3. AND 4., A 3/8 INCH SCREW CAP (button) IS PROVIDED WITH A SMALL EYE SCREW. GLUE AND PRESS OR TAP THE SCREW CAP (button) INTO POSITION AND THREAD THE EYE SCREW INTO THE PRE-DRILLED HOLE.