All Natural Christmas Tree

Materials for Maple:
3- 2”x 1“x 8’ maple board
1- 2”x 1”x 6’ maple board
3- 3/8” x 3’ Dowel Rods
12- 1 1/2 in wood screws (phillips)
6- 1 1/2” finishing nails

Equipment:
3/8” wood drill bit
5/64” wood drill bit (nail pilot holes)
1/8” wood drill bit (screw pilot holes)
Phillips screwdriver bit
Electric drill
Wood glue
Hand sander
A square
Protective eye wear
Miter saw or Hack saw
Ruler

Cutting Directions: You can have Home Depot make these cuts before you leave. It makes it easier to fit in the car.

<u>2- 2”x 1“x 8’ Maple boards</u>
2- 6 1/2 foot sections
2- 1 1/2 foot sections

<u>1- 2”x 1”x 8’ Maple board</u>
2- 2 foot sections
2- 9 inch sections
1- 2 1/2 foot section

<u>1- 2”x 1”x 6’ Maple board</u>
1- 2 1/2 foot section
2- 1 foot sections

Instructions:
1. Glue the 2- 6 1/2 foot pieces together. Drill pilot holes with the 5/64” drill bit. Put glue between the two pieces and squish them together. Using the 1 1/2 inch finishing nails, nail the 6 1/2 foot boards together. Wipe off glue. Sand the boards.

Now you have a 2” x 2” x 6 1/2’ board. You don’t have to do this step if you find that size board. (i.e. fir instead of maple)

2. Drill 3/8 inch holes in both end of the boards (2- 9”, 2- 1’, 2- 1 1/2’, 2- 2’, 1- 2 1/2’). Make the holes 1 1/2 inches from the end of the boards.
3. Cut the dowel rod. You will need 20- 4 inch pieces and 10- 1 inch pieces. Be sure to wear protective eye wear. Sometimes the dowel fly-off in strange ways. You may want extra dowel. Or you can cut the dowel with a hack saw. If you make a mistake and add an extra 3/8 inch hole, just put a 1 inch dowel rod into it. No one will know....
4. Measure 1’ 4” from the bottom of the 2” x 2” x 6 1/2’ board (trunk). Use the square to draw a line. Drill a 3/8 inch hole below the line on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 2 1/2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug. Screw it into place. Turn the trunk towards you/clockwise. Draw a line the matches the top of the other board. Use the square to complete the line. Drill a 3/8” hole below the line, on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 2 1/2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. *Be sure the board is even when it rests on the 1 inch plug and on the other 2 1/2’ board. Screw it into place. Take the plugs out and turn the 2 1/2’ boards 90 degrees to make it easier to work.
5. Turn the trunk towards you/clockwise to the adjacent side. Measure 1 foot from the top of the top 2 1/2’ board. Use the square to draw a line. Drill a 3/8 inch hole below the line on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug. Screw it into place. Turn the trunk towards you/clockwise. Draw a line the matches the top of the other board. Use the square to complete the line. Drill a 3/8” hole below the line, on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug and on the other 2’ board. Screw it into place. Take the plugs out and turn the 2’ boards 90 degrees to make it easier to work.
6. Turn the trunk towards you/clockwise to the adjacent side. Measure 1 foot from the top of the top 2’ board. Use the square to draw a line. Drill a 3/8 inch hole

below the line on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 1 1/2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug. Screw it into place. Turn the trunk towards you/clockwise. Draw a line the matches the top of the other board. Use the square to complete the line. Drill a 3/8” hole below the line, on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 1 1/2’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug and on the other 1 1/2’ board. Screw it into place. Take the plugs out and turn the 1 1/2’ boards 90 degrees to make it easier to work.

7. Turn the trunk towards you/clockwise to the adjacent side. Measure 1 foot from the top of the top 1 1/2’ board. Use the square to draw a line. Drill a 3/8 inch hole below the line on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 1’ board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug. Screw it into place. Turn the trunk towards you/clockwise. Draw a line the matches the top of the other board. Use the square to complete the line. Drill a 3/8” hole below the line, on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 1’ board. To find the middle just balance the board on your finger. Screw the 1 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug and on the other 1’ board. Screw it into place. Take the plugs out and turn the 1’ boards 90 degrees to make it easier to work.
8. Turn the trunk towards you/clockwise to the adjacent side. Measure 8 inches from the top of the top 1’ board. Use the square to draw a line. Drill a 3/8 inch hole below the line on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 9 inch board. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug. Screw it into place. Turn the trunk towards you/clockwise. Draw a line the matches the top of the other board. Use the square to complete the line. Drill a 3/8” hole below the line, on the right side. Place a 3/8” by 1” pieces of dowel rod in the hole (plug). Drill a pilot hole in the middle of one 9 inch boards. To find the middle just balance the board on your finger. Screw the 1 1/2 inch screw into the hole until it starts to poke out the other side. Place the point of the screw in the

center of the board and above the line. Be sure the board is even when it rests on the 1 inch plug and on the other 9 inch board. Screw it into place. Take the plugs out and turn the 9 inch boards 90 degrees to make it easier to work.

9. Set up your tree. Turn all of the branches 90 degrees. Put in the plugs and put the little 4 inch branches in the holes at the ends of the larger branches.
10. Place the tree in a bucket and add stones around the base inside the bucket. I used 8 bricks in a canning pot. I crisscrossed them to hold the base of the tree up right.