

The Ornamental Holiday Hurricane Lamp

Make just one of these great Lamps in a single afternoon – or make a bunch more over a two-day weekend that you can give as gifts for family and friends !



With some projects...due to the ways they're designed...it's often about as easy to make 12 of them as it is to make only one. This Lamp is a prime example of that. Since it's comprised of just two different-shaped pieces of wood (the Sides and the Bottom), once you've established your Table Saw set-ups to rip or crosscut one of the eight side pieces to size, cutting another 16 or so is a simple matter of pushing more wood past the blade.

And, if you add yet another time-saving technique — re-sawing multiple, pre-cut thin pieces from a single thick piece of stock — you'll be able to save even more time!

It's always a good idea to keep this in mind with many simple projects. Our lives are filled with birthday, anniversary and holiday opportunities to give our friends and families projects that we've made with our own two hands – and it can often be as easy as making a couple of set-ups...then simply pushing a few more pieces of wood past the blade!

MAKE IT YOURS!

Although our example Lamp is octagonal and features a holly, Christmas tree and bell design, it could just as easily be square or hexagonal...and feature a Santa Claus, reindeer and snowman design. Or...you could make a number of copies of each design. It's your choice.

Option: If you prefer, you can also make a four, five or six-sided Lamp. Here are the table tilts for each: **4-sides** 45 degrees – **5-sides** 36-degrees – **6-sides** 30-degrees.

If you're making anything other than our 8-sided version, don't forget to alter the shape of your Bottom (B) piece, accordingly.) Our example also features a 9-1/2" glass chimney inside to protect the wood from exposed flames.

So, *MAKE IT YOURS !*...just a few simple changes can often make a big difference!!

SAVE TIME WHEN MAKING MULTIPLES – Here are two different ways for you to cut your building time when making more than one of these lamps:

#1: Pad-Sawing — Purchase 1/4" thick stock, then use Double-Stick Tape to temporarily tape a number of pieces together (up to 2" worth for Scroll Sawing) and do the cut-outs for the entire stack at once. When finished, just un-tape and you'll have four pieces.

#2: *Resawing* — If you have a Bandsaw, you can first Scroll Saw the designs into thick stock, then re-saw them and plane or joint them to final thickness. After making your cut-outs, re-saw your stock into 5/16" thick pieces, then use your Thickness Planer or Jointer to plane the pieces down to their final 1/4" thickness. Due to the kerf left by most re-sawing blades, you'll be able to get two pieces from standard 4/4 hardwood, three pieces from 5/4 and four pieces from 8/4.

So, let's get started....

- 1:** Cut all stock to the indicated widths and lengths, as described in the Bill of Materials.
- 2:** Print out and photocopy your pattern to size, according to the drawings (or develop your own designs).
- 3:** With your MARK V in Table Saw Mode, tilt your table to 22-1/2 degrees, position your Rip Fence to the RIGHT of the blade and cut out your eight Side (A) Pieces.
- 4:** Transfer the full-size pattern to the outsides of the Side (A) pieces you just cut. If you'll be using the *Pad-Sawing* or the *Resawing* method, you need only apply the pattern to the top of each stack — or to the top of each piece of thicker 4/4, 5/4 or 8/4 stock.
- 5:** Drill a 5/16" dia. hole in the center of each cutout area for blade insertion. **NOTE:** 5/16" happens to be the correct size for the Holly "stems". Use any size drill you like.
- 6:** Use your Scroll Saw to cut out your designs.
- 7:** Once you've made your cut-outs...

Individual or Pad-Sawing Method: Separate individual Side pieces and sand all surfaces and edges smooth. **IMPORTANT:** Be careful **NOT** to sand the beveled edges, as doing so could alter their angles – and your pieces will **not** fit together properly. Lay your pieces aside for now.

Resawing Method: Use your Bandsaw with a special *Resawing* Blade to cut your thick stock into 5/16" slices. Use your Jointer or Thickness Planer to remove 1/32" from each side of the slices. Lay your pieces aside for now.

8: Lay out your octagonal Bottom (B). Use your MARK V Table Saw with your Miter Gauge set at a 45-degree angle to cut out the Octagonal shape. Be sure to use the Safety Grip on the Gauge and a wooden Extension Face to maintain adequate control of your workpiece while making this cut.

9: Use your Bandsaw to cut out four Glue Blocks (C) 1/4" x 1/4" x 3-3/4" long.

10: Lay your cut-out Side pieces (A) — side-by-side on a flat surface – with their beveled edges just touching one another and facing **down**. Carefully place two pieces of masking tape at each joint.

11: Carefully turn this taped-together Assembly over onto your flat surface – with the beveled edges now facing **up**.

12: Run a small bead of woodworker's glue along each joint – and around the edges of the octagonal bottom

13: Carefully roll the Lamp Assembly up to form an octagonal shape and secure it together (loosely for now) with some large rubber bands, a strap clamp or a piece of rope with a wooden tourniquet-style tightening handle.

14: Gently press the octagonal Bottom (B) into the Lamp Assembly until just 1/4" of the bottom is protruding below the sides. Wipe off any excess glue around the Bottom.

15: Tighten your clamping devices around the sides...check for squareness...and wipe off any glue squeeze-out with a damp cloth.

16: Apply glue to...and position...the four Glue Blocks (C) inside the opposing sides (A) of the assembled Lamp, where they meet the Bottom (B)...to serve as reinforcements. Set aside to dry.

17: Once the glue has dried thoroughly, remove your clamping devices and finish-sand.

18: Apply the finish of your choice to the outside.

19: Paint the inside white or silver...or cover your cutouts with various colors of cellophane.

20: Install your candle and glass chimney, light and enjoy!

List of Materials

(finished dimensions in inches)

A	Sides (8)	1/4 x 4 x 11-1/2
B	Bottom (1)	3/4 x 9 x 9 (octagonal)
C	Glue Blocks (4)	1/4 x 1/4 x 3-3/4
	Glass Chimney (9-1/2")	

