

HAND HAMMERED COPPER LANTERNS IN THE ARTS & CRAFTS STYLE WITH MICHAEL ASHFORD

APRIL 2-6, 2012

DAILY SYLLABUS

Monday – Overview of project, learning how to texture and move metal

1. Laying out the lantern project.
2. Practice cutting, plannishing and sinking copper.
3. Cutting out, drilling and plannishing the top band, bottom band and lantern straps.
4. Drilling and rounding the lantern straps.

Tuesday – Building the lantern lid and starting lantern assembly

1. Cutting out and plannishing the lantern lid.
2. Sinking, annealing, pickling and cleaning the lantern lid – multiple times.
3. Crimping and regulating the lantern lid.
4. Silver soldering the top and bottom bands.
5. Setting up and marking the top and bottom bands for drilling.

Wednesday – Finishing lantern assembly and building the stand off tube and wall plate

1. Drill top and bottom bands.
2. Assemble with machine screws.
3. Rivet lantern body.
4. Make and solder in tabs to hold mica cylinder.
5. Drill and attach lantern lid.
6. Plannish and shape wall plate and stand off tube.

Thursday – Make chain links and patina lantern

1. Plannish rod stock.
2. Anneal and coil rod stock.
3. Cut chain links, file and regulate.
4. Clean lantern and lantern parts.
5. Multiple dips in patina solution.
6. Dry lantern and parts – rouge.
7. Wax lantern.

Friday – electrify and complete lantern

1. Prep and wax mica cylinder.
2. Electrify and assemble lantern including chain and wall plate.
3. Install the mica cylinder.
4. Admire your finished hammered copper lantern.

TOOL LIST

1. Notebook, pen and pencils.
2. Compass w/ pencil (for drawing circles).
3. Fairgate 23 center finding ruler (Amazon.com) or at least a 12" metal or plastic ruler.
4. X-Acto knife, scissors.
5. Sheet of 100 grit and 220 grit sandpaper.
6. Left and right hand shears: Midwest #'s P6510R and P6510L (call Benoit Sheet Metal Company 425-481-4797, mention it is for this class for a discount). These snips are about \$20.00 each and are the best brand out there for this type of work. Truly, these shears are vastly superior to any others I have tried.
7. Ball peen hammer; 8 oz. (or close to it).
8. Allcraft forming hammer #078-06 (375 gram size). They also have a nice ball peen hammer, as well. Contact Tevel at Allcraft – 1-800-645-7124 (mention our class for a discount).
9. Wooden mallet. You will need a heavy wood mallet (at least 14 oz.) with an approximate head size of 2" by 5". Prior to class you will need to round one end (1" radius) and chamfer the other end with at least a 1/4" radius edge. Allcraft is putting together a package of the forming hammer and wood mallet specifically for this class.
10. A 90 degree woodworking square.
11. Dust mask, cheap (hardware store) brown cotton gloves, and earplugs.
12. A small and medium slot screwdriver; a medium Philips screwdriver.
13. A 6" triangular sectioned smooth file; an 8" to 10" half round smooth file.

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