



Daffodil

A Beginner's Lead Project

Design & Fabrication by Mark Waterbury, Text by Marilyn Bryan

The simplicity of this graceful daffodil design makes it well suited for a beginner's project in lead. For an overview on the process, take a beginner's class in lead came construction at your local stained glass retail store. If one isn't offered, turn

Uroboros Glass Studios Numbers

- White for Background, #60-05
- Emerald Green, Spring Green, & Light Green for Leaves, #60-74
- Lemon Yellow & Golden Yellow on White for Daffodil Head, #00-36
- Canary Yellow for Daffodil Head, #65-35

to books, videos, and magazines for instructions and ask your retailer to demonstrate the techniques for you.

Remember to stretch lead came before using it to prevent the panel's sagging in the future. Glastar's Stanton Stretcher is a

handy tool for this job, but you can also stretch lead by placing one end in a vise and pulling on the other end with pliers until there is no more "give" in the came.

You can make this into a suncatcher by eliminating the background glass and assembling only the daffodil. For the area between the flower stem and foliage, either use clear glass or omit altogether. The stem can be made from heavy-gauge copper wire coated lightly with solder.

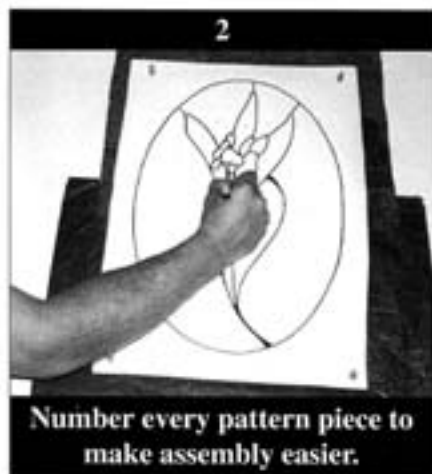
Instructions

Have your frame on hand before making patterns. Place it over your pattern paper and trace the inner ridge (the opening for the glass).

Position the original pattern over the frame tracing and adjust the outside design lines if necessary.



1
Copy the original pattern to two other sheets.



2
Number every pattern piece to make assembly easier.



3
Use lead shears to separate one of the patterns.



4
Score around each pattern piece.

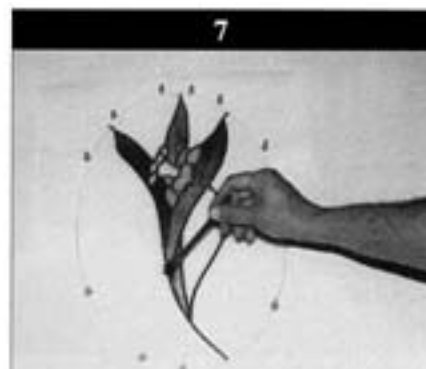


5
Work from one side to the other when fitting glass and lead.

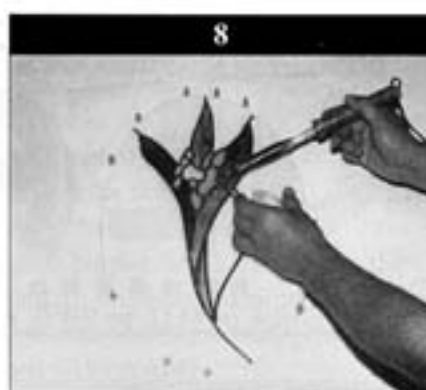


6
Add one piece of 1/4" lead H-channel at a time.

Cut the pieces that extend to the panel's perimeter 1/8" shorter than the design line.

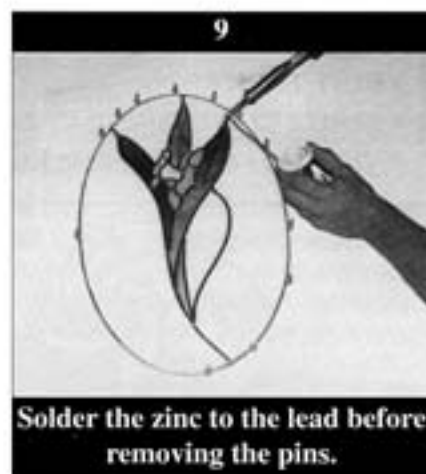


7
Flux every intersection of came.



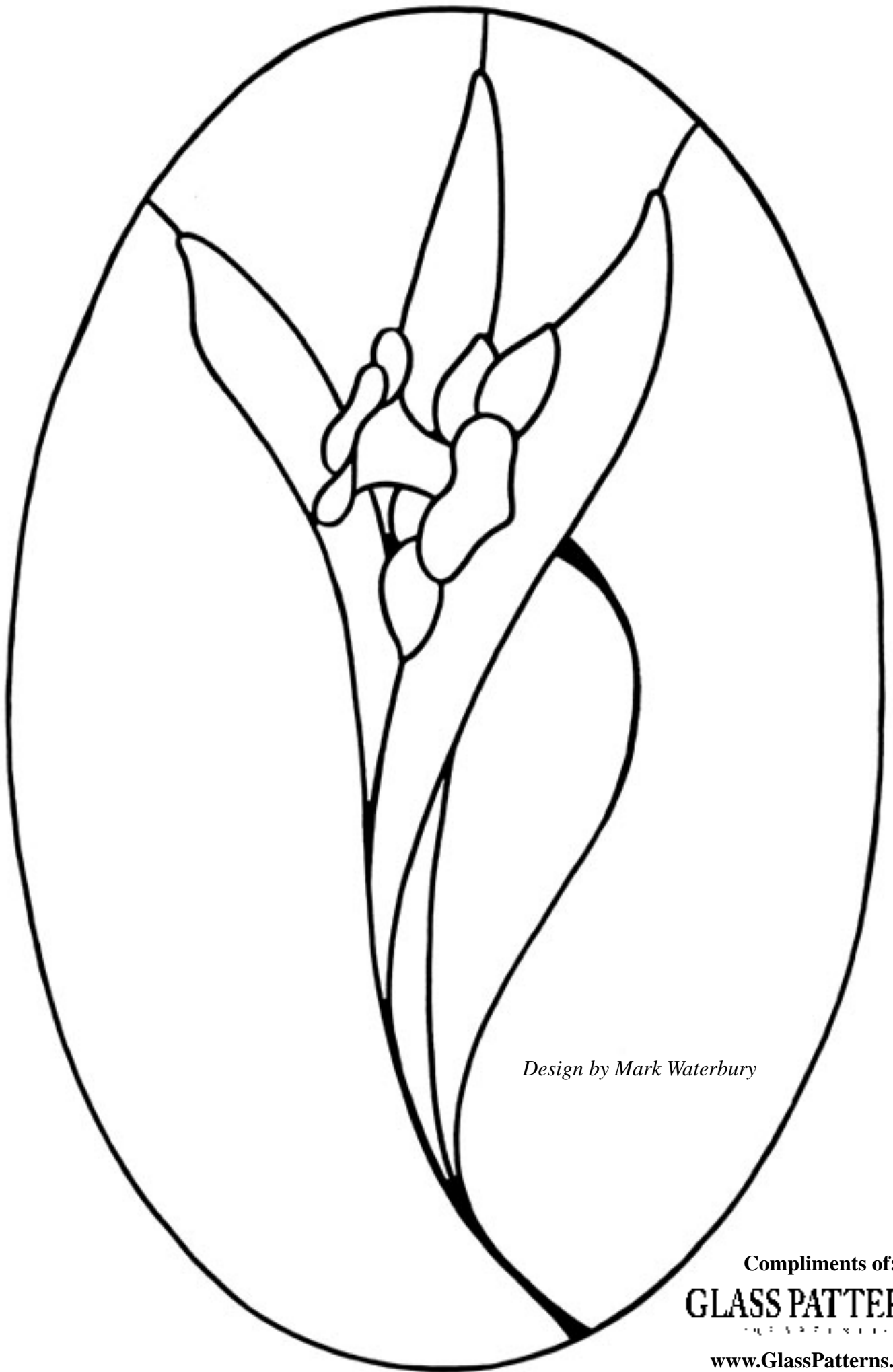
8
Solder every intersection.

Remove the push pins and wrap 1/8" zinc U-channel around the panel for support. Place push pins around the zinc to hold it against the glass. Apply flux.



9
Solder the zinc to the lead before removing the pins.

Rub 0000-grade steel wool over every design line and wipe away the residue. Apply black patina to the lead lines and allow to dry.



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