

Poinsettia Ring Kit



*Design by Studio One Art Glass
Fabrication by Mark Waterbury
Text by Studio One and Darlene Welch*

Spectrum Glass Co.
#152S, Ruby Red Cathedral
for Flower Petals, 1 Sq. Ft.
#125, Dark Green for Leaves, 1/2 Sq. Ft.
Other Materials Required
Flux Solder 1/16" Lead U-Channel
Poinsettia Ring Kit

Here is a cheery holiday ring filled with a glowing poinsettia and its vibrant spray of leaves and berries. This stained glass kit, just in time for your Christmas decorating and gift giving, is assembled using lead to create lovely detail. In the kit, too, is tinned copper wire that can be stretched and straightened similar to the way that lead can be stretched to make it straight and strong. We don't recommend trying to stretch the twisted wire, though.

The glass in the kit is cut using a new high-tech water jet cutting system that enables it to be cut accurately on a consistent basis. Each piece will need to be smoothed with a grozer or grinder to remove the spot where the piece was connected to the sheet during the cutting process.

In order to finish this project, you will need to have ready some lead-cutting pliers, needle nose pliers, a soldering iron, a flux brush, and an iron cleaning sponge, as well as the other materials already listed.

And one last thing before we begin. Let us give you a word of caution about working with the lead used in this project. Since lead is a poison when ingested, care must be taken to prevent exposure to lead poisoning. Be sure that you don't eat in your work area and also be sure to wash any lead residue from your hands before eating or smoking.

Now for the fun part—making your poinsettia come to life. Refer to the illustrations on the pattern sheet as we go through the steps.



Before using any lead, you should straighten and stretch it to add strength to the lead. Placing one end in a vise grip, use pliers to stretch the other end approximately 1".

1. Wrap all of the pieces in U-channel lead. Tack-solder your pieces at the points indicated by the arrows on the illustrations included in the kit.

2. Apply the wire detail to all leaves and petals. Solder where indicated by the arrows on the illustrations.

3. Attach the green leaves to the ring at the arrows. Soldering to the ring requires a little extra effort. Since the ring is made of steel, it does not conduct heat as well as the wire or lead. To solder to the ring, place the tip of your soldering iron directly on the spot to be soldered and heat for about 10 seconds. Be careful not to melt your lead by overheating it.

Apply flux to clean the area. The flux will boil and bubble. At this point, it is time to apply more heat from your iron and add solder to the area. You can tell whether the solder bonded properly to the ring if the joint is flat and smooth.

4. Position three small red petals and two large red petals according to the pattern. Solder the petals in place at the arrows.

5. Position one small petal and two large petals according to the pattern. Solder them in place at the arrows.

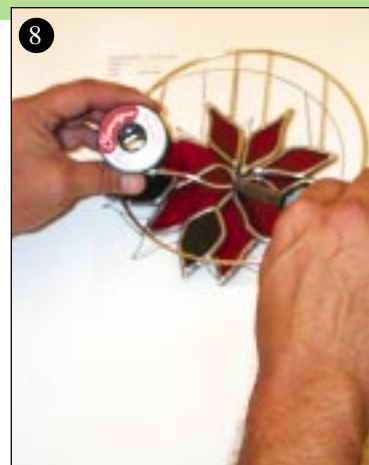
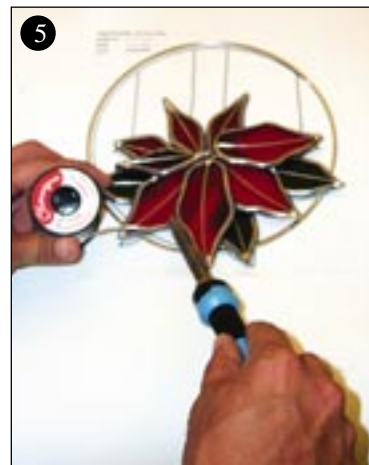
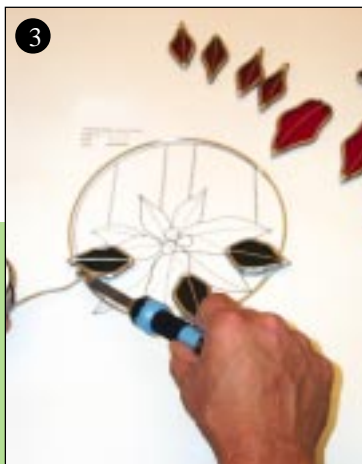
6. Position the berry cluster in place at the center of the leaves according to the pattern. Solder them in place at the arrows.

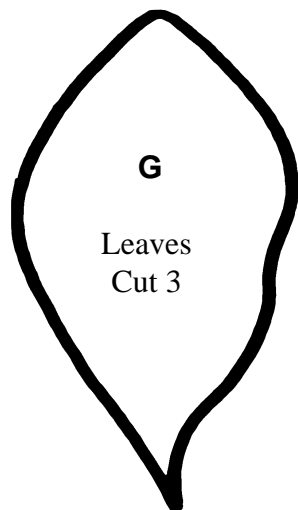
7. Cut and solder the twisted wire in place from ring to flower.

8. Flip the ring to solder all of the joints at the arrows. Attach one link of S-shaped jack chain to the top of the ring for hanging.

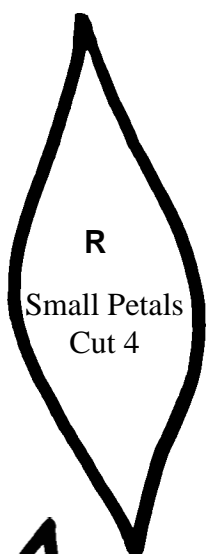
To clean your project, we recommend that you first shine all of the lead with #00, fine-grade steel wool. This is similar to what is in an SOS[™] or Brillo[™] pad. (Yes, it is okay to use either one of these products to clean your project.) Finish cleaning by washing the project in hot soapy water, and then towel dry.

Enjoy your lovely poinsettia in your own home, or use the box and the two foam pads that came with your kit to package it for gift giving. **GPQ**

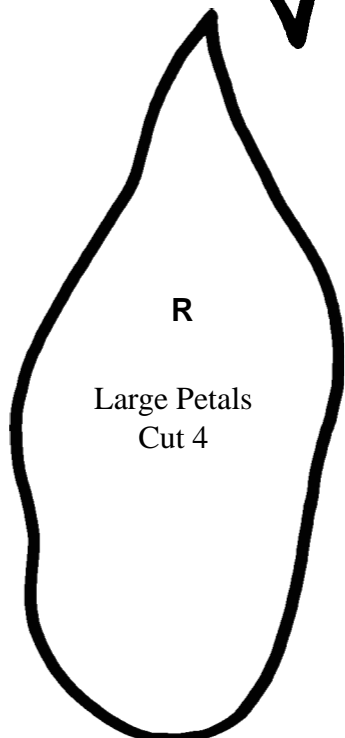




G
Leaves
Cut 3

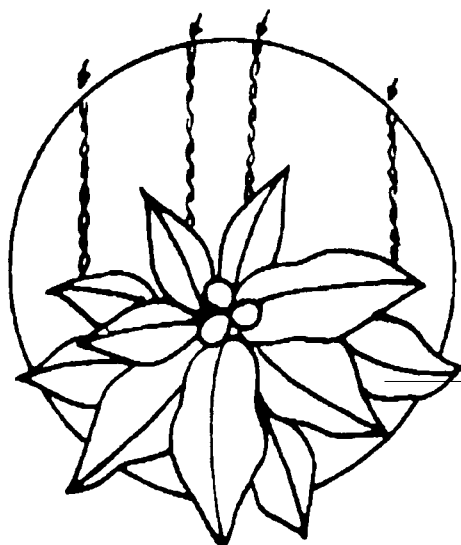


R
Small Petals
Cut 4

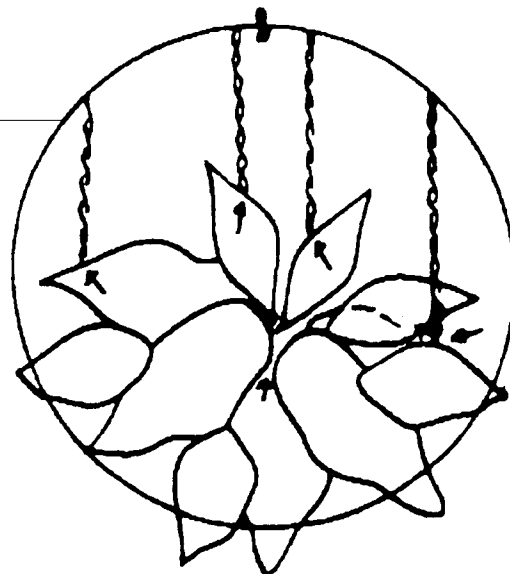


R
Large Petals
Cut 4

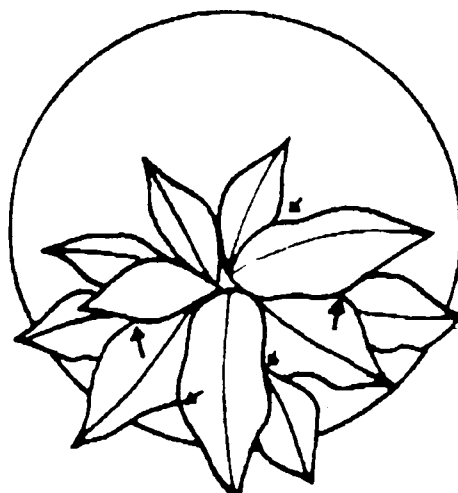
Flip the ring to solder all joints at the arrows.



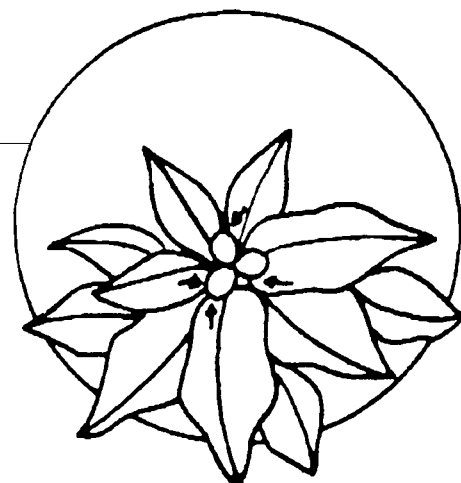
Cut and solder twisted wire in place from the ring to the flower.



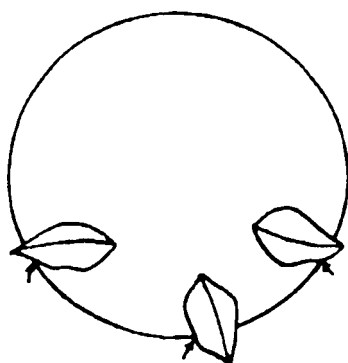
Position the berry cluster in place at the center of the leaves according to the pattern. Solder in place at the arrows.



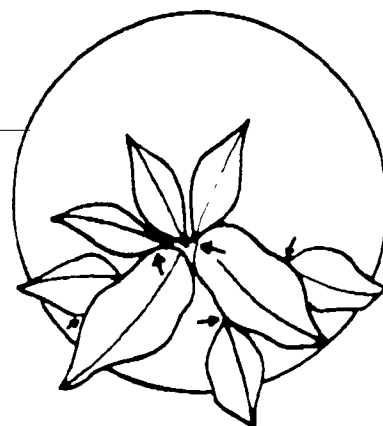
Position one small and two large petals according to the pattern. Solder in place at arrows.

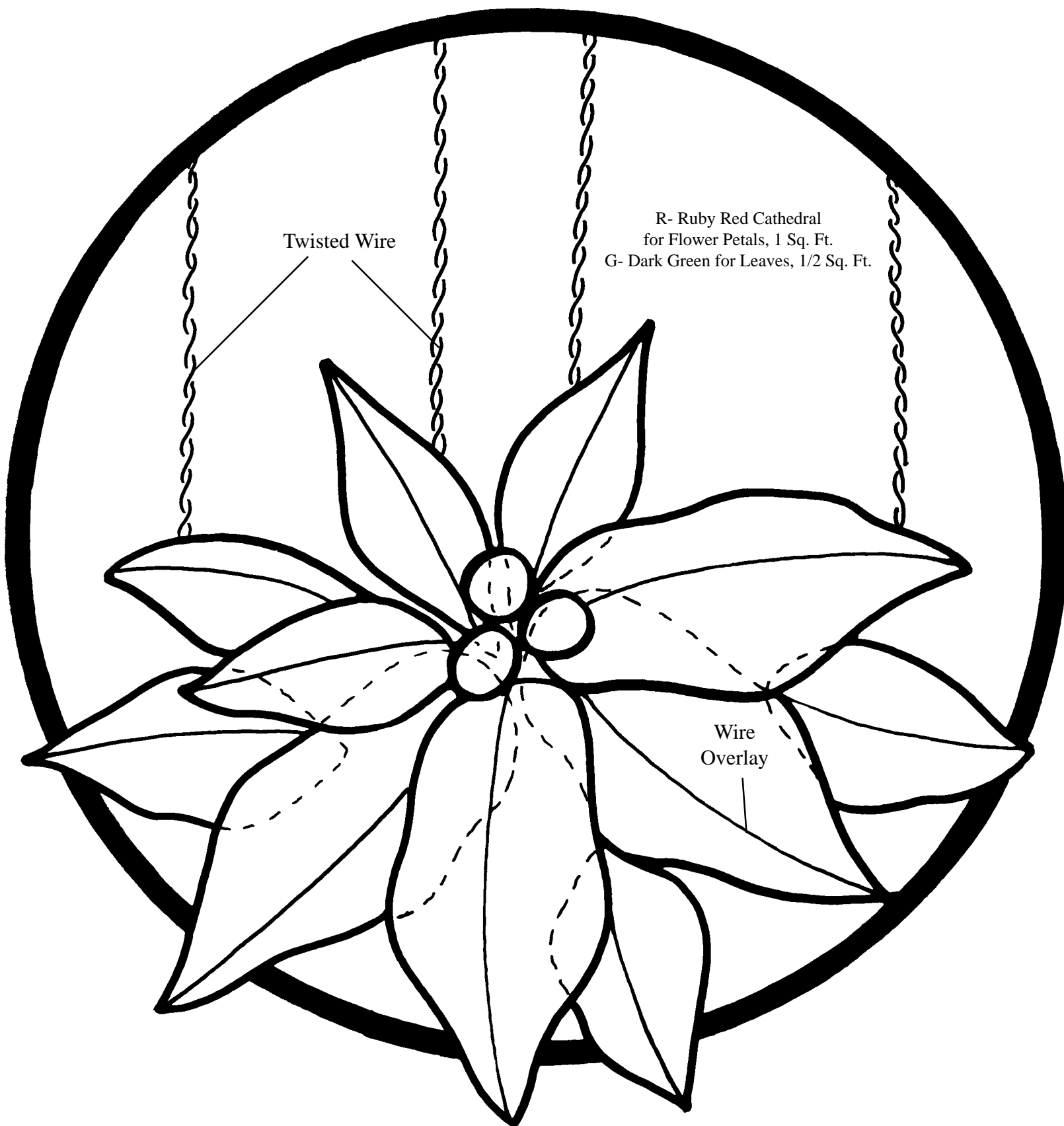


Position three small red petals and two large red petals according to the pattern. Solder in place at arrows.



Attach the green leaves to the ring at the arrows.





Poinsettia Ring

Designed by Studio One Design

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