

# H. L. Worden Co.

## "Make a Lamp"

### System

#### Lamp Specifications

No. Glass Pieces: 948  
 Glass Needed: 6.125 sq. ft.  
 Diameter: 13"  
 Height: 7.5"  
 Aperture: 1.25"  
 Design Repeats: 3

#### Needed to make this lamp

Pattern Packet No. G13-1S\*  
 SectionalForm™ No. G13\*\*  
 Stained Glass  
 Lamp Base or Hanging Hardware  
 to Swag

#### Additional Items Needed

Basic Supplies  
 Basic Tools

#### \*No. G13-1 Pattern Packet

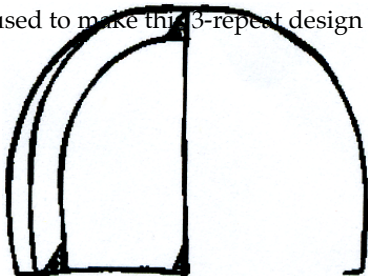
##### Includes:

1 Paper Pattern Sheet  
 2 MagicStrip™ Sheets  
 1 Instructions  
 1 Color Key w/ Glass Descriptions  
 1 Check Ring 1.25"

#### \*\*No. G13 SectionalForm™

Sectional form embossed and  
 numbered to accept glass  
 placement guides (cartoon)

One Reusable SectionalForm™ is  
 used to make this 3-repeat design



# G13-1S Begonia T

Cartoon Pattern Packet

Rev. 12/12



#### Lamp

Color	Key	Description	Glass Type	Sq. Ft.
	L	Leaves	Dk. Green Opal	1.5
	A	Dk. Petals	Red Opal	1.5
	E	Lt. Petals	Pink Opal	1
	C,D	U. Back.	Green Ripple Cath.	1
	B	L. Back.	Blue Green Ripple Cath	.75
	K	Centers	Yellow OPal	.125

This lamp is a copy of an original Begonia lamp as pictured in Dr. Neustadt's book "The Lamps of Tiffany" page 199. This lamp is 13" in diameter, 7.5" high and has 3 pattern repeats, the same overall dimensions and pattern repeats as the original.

The Begonia lamp was constructed by using a bronze casting approximately 6.5" in diameter with openings to represented tree limbs and branches. To represent the bronze casting, a solid leaded glass top can be constructed. (Black area of the pattern). Clear art glass or the same color as the background can be used to portray the openings between the branches. The limbs are sculptured with solder overlaying foil wrapped pieces that are covered on the outside with foil. The heavier black lines in the top are filled with solder to represent the branches and small limbs. (Refer to the instruction manual)

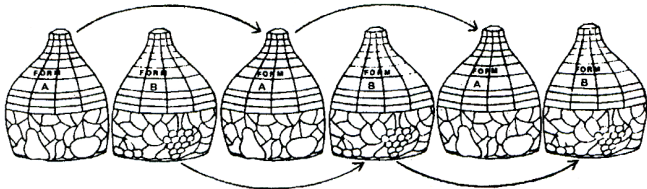
A 1.25" diameter brass washer is provided for the top aperture.

## Two Form Method

The two form method can be used to make any lamp that has more than one set of MagicStrips™ or two sets of identical single form MagicStrips™. Purchase two blank forms of the same size and alternate the forms as outlined below. This method is really very easy to do once you understand how it works.

The two form method is the closest thing to working on a full form and still allow the construction of the lamp in sections. Make the same number of SEPARATE GLASS SECTIONS as you would in the single form method. The bridging glass pieces can be fitted in place and the leaded seams perfectly matched while the GLASS SECTIONS ARE BEING MADE; rather than after.

This unique Two Form Method can be used on any number of form repeats and with any number of design repeats, simply by



**Forms A and B have two different designs on them. Both are repeated three times.**

alternating two forms from one side to the other. The instructions below explain how a three repeat design, on two, six repeat forms, is used to make a lamp using the Two Form Method.

TO BEGIN...(PLEASE READ all the directions first)

Step (1) Follow the directions for placing MagicStrips™ on the form. You will be covering two forms with strips.

Step (2) Temporarily attach the two forms together with tape. Don't use glue. Forms must be taken apart and alternated from one side

## Foil Wrapping Small Pieces

When foiling small pieces such as flower centers, flower petals, and leaves, it is best to overlap foil on glass approximately 1/64"; wider foil will cover too much of the glass. The exception is on small pieces at the top of the lamp. These pieces should be wrapped with at least a 1/32"

overlap. Increasing the size of the overlap adds strength to the lamp.

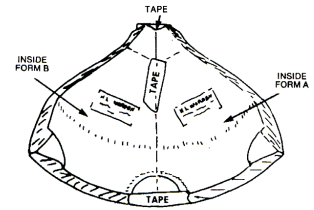
If you have foil that is too wide, it can be easily trimmed with scissors. Leave the paper backing in place while trimming. the untrimmed edge is placed on the outside for nice even seams.

Copper foil is easily trimmed. Leave backing on.



to the other after each glass section is completed. Sideboards are not used in this method.

Step (3) With the two forms fastened together; cut, grind, foil and pin glass pieces on both forms including the bridging pieces. COVER AN AREA BETWEEN THE FORMS at least three glass pieces wide on each form extending from the top to the bottom.

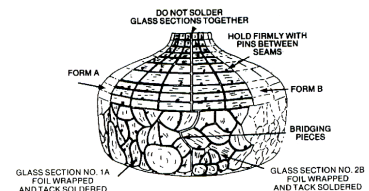


Step (4) Tack solder at least two rows of foiled glass pieces from top to bottom. DO NOT SOLDER GLASS SECTIONS TOGETHER. Bridging pieces will extend from one form to the other. If the glass sections are soldered together by mistake....remelt and separate.

Step (5) Now the forms can be separated.

Finish the glass section, tack solder, build seams, attach wire solder assembly loops and clean. When completed,

remove and label this glass section 1A. Remove the form; switch and fasten it to the other side. DO NOT COMPLETE AND REMOVE BOTH GLASS SECTIONS AT THE SAME TIME. THE GLASS SECTION AND THE FORM ON THE RIGHT MUST BE MOVED TO THE LEFT TO FIT THE GLASS PIECES ON THAT SIDE TO THE OTHER GLASS SECTION.



Step (6) Repeat steps 3, 4 and 5, only labeling the glass section on the left 2B. As each glass section is made by alternating the forms; label the next sections 3A, 4B and 5A. The sections will look the same, but for instance, section 3A fits ONLY to the left of 4B and at the same time fits ONLY to the right of 2B.

Step (7) When it's time to make glass section 6B; you must re-pin glass section 1A to the form and match it up on the right side. Now glass section 6B can be constructed, since the alternating of the forms and the six separate glass sections are completed: glass sections 6B and 1A may be tack soldered together while on the forms.

Step (8) When all glass sections are made and removed from the forms, use assembly loops and finish the lamp as in step(9) of the single form method.

**For more detailed information on using the H. L. Worden "Make a Lamp" System ask for Stained Glass Crafting, an illustrated guide to the foil and solder method.**

