H. L. Worden Co. "Make a Lamp" System

GF13-5 World W

Cartoon Pattern Packet

Lamp Specifications

No. Glass Pieces: 463
Glass Needed: 9 sq. ft.
Diameter: 13″
Height: 13″
Aperture: 3″ or 4″
Design Repeats: 1

Needed to make this lamp

Pattern Packet No. GF13-5*
FullForm™ No. GF13**
Stained Glass
Lamp Base or Hanging Hardware to Swag

Additional Items Needed

Basic Supplies
Basic Tools
1 1.25″ Check Ring
Use as Vase Cap

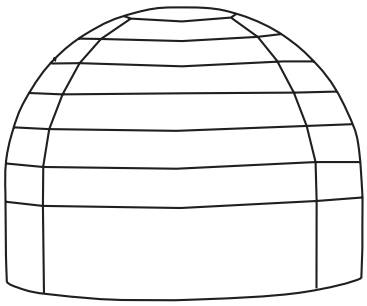
*No. GF13-5 Pattern Packet Includes:

4 Paper Pattern Sheet
6 MagicStrip™ Sheets
1 Instructions
1 Color Key w/Glass Descriptions

Lamp Color Key	Description	Glass Type	Sq. Ft.
E	Oceans, Lakes, Seas	Blue/Dk. Blue Opal	5.75
A	Forest, Trees, Plains	Lt. Green Opal	1.5
C	Jungle, Tundra, Mtns.	Dk. Green Opal	.5
G	Deserts	Amber Opal	.5
B	Pack Ice	White Opal	.5
D	Ice Covered Land	Lt. Ice Blue Opal	.25

**No. GF13 FullForm™

360° form embossed and numbered to accept glass



placement guides (cartoon)

One Reusable FullForm™ is used to make this 1-repeat design

Paper Pattern
MagicStrips™
MADE IN USA

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FULL FORM CONSTRUCTION TIPS

Follow the Basic Method detailed in the WordenSystem™ Instruction Manual.

(1) Select, cut, trim, and pin all stained glass pieces over the MagicStrip™ cartoon on the form. COMPLETELY COVER THE FORM. Use glass headed pins or common pins. Be sure to push the pins all the way in to hold each glass piece securely.

(2) To ensure the vase cap will be level: If using a positioner; place vase cap at the top of the form; secure with a lock nut; cut and fit glass to the vase cap; tack solder before removing shade from the form.

If not using positioner: place a 4" threaded rod through the hole in the form; place vase cap at top of the form; put a second vase cap or a check ring or washer inside the form; secure with lock nuts at both ends of the rod; cut and fit glass to the vase cap as above. If necessary, trim the top of the form to fit the vase cap in place.

(3) To foil, pull the pins part way out, just far enough to remove each glass piece one at a time; foil & repin.

(4) Tack solder all glass pieces together. Wipe and burnish with a wet cloth to stop oxidation.

(5) Remove all of the pins. Leave the lamp on the form and make a flat seam by tinning all exposed copper foil. Wipe and burnish with a wet cloth.

(6) DO NOT BUILD ROUNDED SEAMS ON THE FORM. Remove the lamp and fill and then build the inside seams then do the outside.

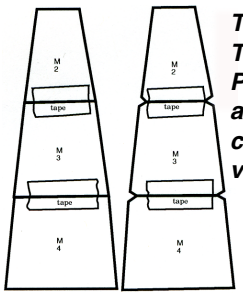
By filling the inside first, any flow through will be removed when building the outside seams.

This 1-repeat lamp is built on one GF13 form. Attach strips for northern hemisphere and build to top of your lamp. Remove glass from the form, replace strips with southern hemisphere strips and build bottom of your lamp. Remove glass from form and solder both halves together.

Strip Grid Cutting

For fast, easy cutting, background may be assembled ins trips either horizontally or vertically. Assemble grid vertically so that color flow and grain extends from one part to the next.

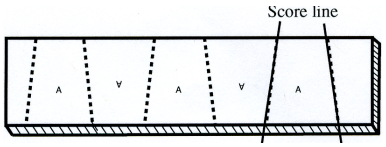
Vertical: Arrange the background pieces together similar illustration with no space between. Fasten together with cellophane tape. Notch out between the pieces so a line can be drawn on the glass with a straight edge. **Score in the center of this line between the parts.**



Tape Pattern Together Pattern pieces arranged to cut gridwork vertically

Score, break and check fit of one section before proceeding with the balance of the parts. Fig. 3 illustrates how patterns can be grouped together and then cut apart.

Horizontal: First cut a strip of glass that is equal to the height of each piece. The height of the pieces in each row around the lamp will be the same; however, not all the rows in a lamp will be the same height. Mark each grid pattern on the glass while turning the pattern end over end until you have enough to cover one sectional form or one pattern repeat. Make adjustments if necessary and cut out the number you will need for the entire lamp. *Overlap the grid pattern pieces so that adjoining pieces share a score line.*



Arrange grid work pattern on strips, mark and score

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