

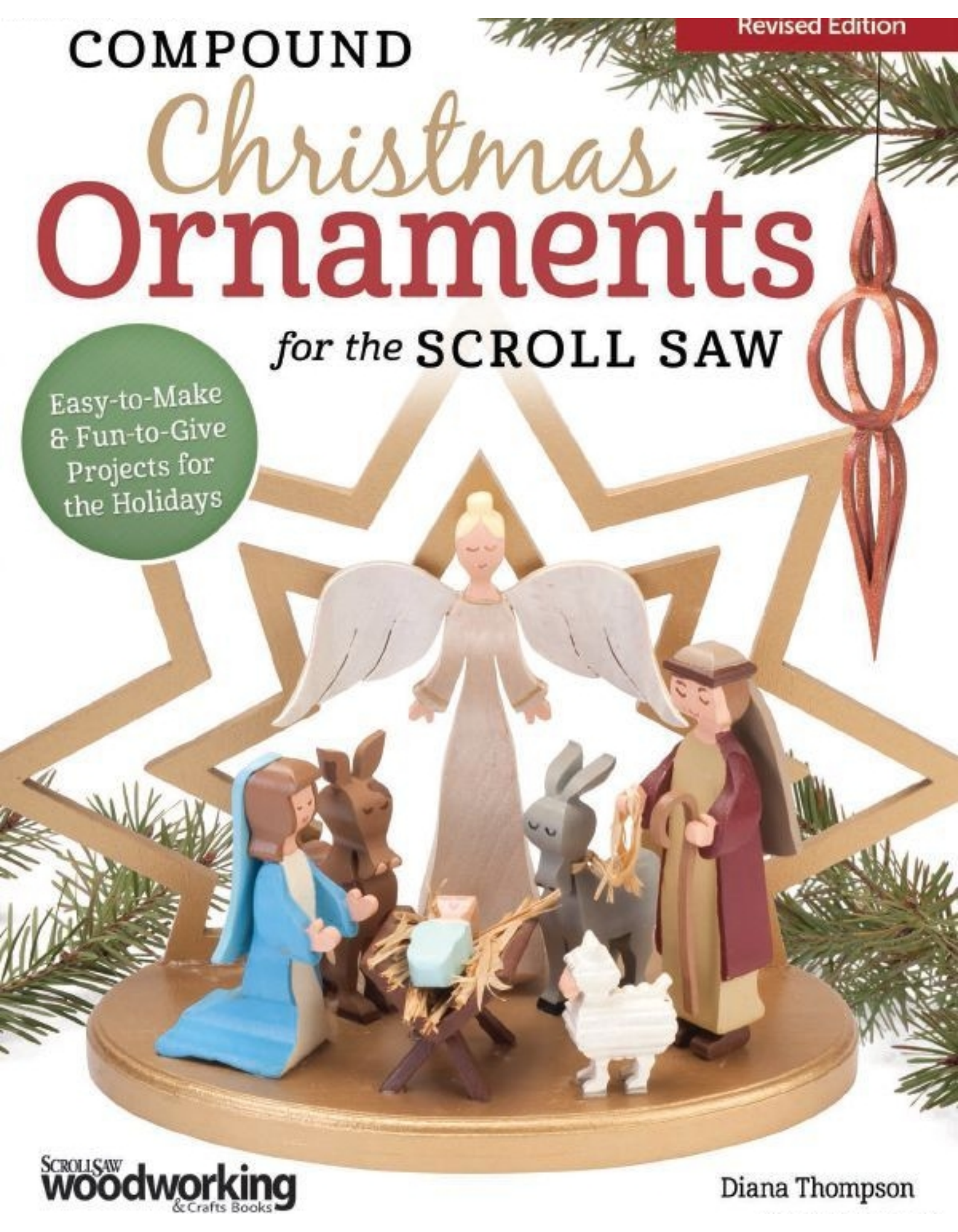
COMPOUND

Revised Edition

Christmas Ornaments

for the SCROLL SAW

Easy-to-Make
& Fun-to-Give
Projects for
the Holidays



Acknowledgments

Thank you, Father: When prayers go up, blessings come down!

Thanks to John Nelson, "great instigator" and legendary designer, for the challenge to design a 3-D piece with lots of parts. The poinsettia arrangement on page 38 is the result.

Thanks to my editor, Ayleen Stellhorn, who requested something I'd never thought I could do justice to — the nativity scene on page 45.

All submissions for reference only!



From Russia with love

Puika

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Compound Christmas Orn

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Introduction

The Christmas season is my favorite time of year. Inspirations for new designs are everywhere. Stores, decorated homes, catalogs, sales items in the newspaper, gifts from friends, suggestions from family, the symbols of Christianity... The list could go on and on. And usually, one idea will lead to another. Often, I will begin one pattern and then find myself off on a tangent, taking a figure way beyond my original idea.

Other times, I think a pattern is finished; then once it's cut, I can see where another step can be taken to improve upon the original. More often than not, the end result is nothing like the figure I envisioned. Sometimes the first cut of a pattern is so absurd, I can't help but laugh then take it back to the drawing board. I never get tired of making new designs. The ideas come so fast and furious at times, it feels like I'll need another life to do all of them!

It is my hope that you, my fellow scrollers, will enjoy making these new designs as much as I have enjoyed bringing them to life.

Best regards,
Diana Thompson
Scrollergirl@aol.com
www.scrollsawinspirations.com

Last year, my Christmas tree was decorated entirely with these scrolled ornaments. Patterns for all of the ornaments on this tree, and then some, are included in this book.



Basic Cutting Instructions

Getting Started

Learning to cut compound pieces on your scroll saw is not difficult. It is simply a matter of making your cuts first on one side of the block, then turning the block to make cuts on the adjacent side. There are some basics that you should know, however, before you get started on the patterns in this book.

Safety First

- Make sure all your machinery is working properly. Consult the owner's manual for maintenance and how-to information for each individual tool.
- Wear safety glasses to protect your eyes when you are working around running machinery.
- Do not wear loose clothing that can get caught in machinery.
- Work in a ventilated area and/or wear a mask to protect your lungs from the sawdust.

Cutting Stock

If I am planning to paint the figures, my own personal wood choice for compound projects is sugar pine. Basswood is my second choice; white pine is my third. I find that a close-grained wood works best. Wood with an uneven grain tends to make the blade harder to control and throws it off-line.

Hardwoods are also a good choice for compound figures, if you don't plan to paint the finished piece. You don't want to cover up a beautiful hardwood with paint! The choice of which hardwood to use is wide open. Some woods are quite hard. I try to avoid any wood that is denser than black walnut. Red cedar, cypress, redwood, willow, magnolia, canary, alder, poplar, and Spanish cedar are some of my favorites.

Many of the patterns in this book call for 1½-inch by 1½-inch stock, which is not always easy to find. If you are having trouble finding stock of this thickness, try gluing two pieces of ¾-inch stock together to get the correct thickness.

Tools and Supplies

The lists below outline the basic tools and supplies needed to cut the compound patterns in this book. When special tools are needed, they will be listed within the instructions for that project.

General Tools

- | | |
|--|---|
| ☐ Scroll saw | ☐ Small Quick Grips (optional) |
| ☐ #5 plain or skip-tooth blades | ☐ Scissors |
| ☐ Drill or drill press | ☐ Pony clamps (optional) |
| ☐ Assorted drill bits | |

General Supplies

- | | |
|--|---|
| ☐ Spray adhesive | ☐ Assorted small brushes |
| ☐ ¼" cellophane tape | ☐ Wood sealer |
| ☐ Wood glue | ☐ Craft paints |
| ☐ 220-grit sandpaper | ☐ Clear acrylic spray finish |
| ☐ White glue | |
| ☐ Spare scraps of stock | |

Finishing Supplies

This information is not meant to be written in stone. I have listed here only the techniques that I use frequently. These techniques are quick and easy, due to my limited time factors.

Experiment on your own and see what marvelous ideas you come up with. If you're new to finishing, I would suggest making a trip to your local craft supply store to check out all the different finishes and paints they have to offer. One scroller by the name of Gail told me she dips figures—the deer in particular—in different colored stains. She uses a darker stain for the antlers and hoofs and a lighter color for the body. One of my greatest joys is to hear what others have done with my patterns!

I seal all the figures I plan to paint with wood sealer, allow them to dry, and then sand them smooth with 220-grit sandpaper. I paint the finished pieces with acrylic craft paints in whatever colors take my fancy. I also mix colors at times to get the special colors I want. When the paints dry, I give the figures a final coat or two of a clear acrylic spray finish.

Danish oil is an easy standby for a natural finish. Just dip the figures in the oil—no brushes, no time-consuming methods. The exact directions will be on the product container. For a super-simple, but still great-looking natural finish, simply seal the figure, allow it to dry, sand it smooth, and then apply a clear spray finish. It's just that easy!

Troubleshooting

For a compound figure to come off the saw uniformly cut, there are a few tips you will need to keep in mind.

Saw Table

An uneven saw table insert can sometimes cause a problem while you are making compound cuts. The figure can fall down into this uneven surface and become distorted. To avoid this, I make a plexiglass top for my saw. I drill a small, ¼-inch hole in the center for inserting the blade. Double-sided tape holds the plexiglass securely to the saw table.

Basic Cutting Instructions

Blades

Tensioning the blade properly is critical to cutting uniform compound figures. A loosely tensioned blade will flex from side to side and cut distorted figures. To tension a blade, keep tightening the tension mechanism until you hear a clear sound when the blade is plucked. If the blade is too loose, the sound will be more of a thud.

Also be sure to check the blade alignment frequently. I have found the best method for checking that the blade is square to the table is to make a shallow cut into a piece of scrap wood. Then I turn the wood around to the back of the blade (do not turn it upside down) and slide the back of the moving blade back into the cut. If it slides in nicely, the table is square. (You'll find more tidbits like this in John Nelson's book *Scroll Saw Workbook*.)

Another thing to keep in mind is that blades need to be changed often. Trying to get too much "mileage" out of a blade will result in you pushing too hard against the blade, which will distort the blade and the figures.

Finally, make sure you are not pushing the blade sideways as you cut. Every now and then, ease up on the work, allow the blade to right itself, then continue sawing.

Helpful Tips

I recommend sawing to the waste side of the pattern lines for the best results. Sawing right on the lines will result in removing too much material, which will cause some of the more delicate patterns, such as the deer antlers, to break easily.

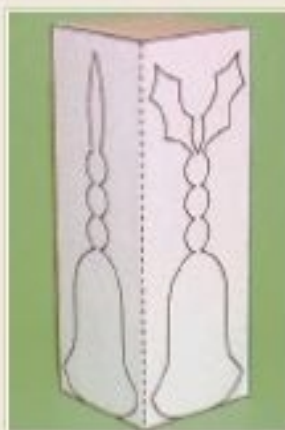
When using harder, denser wood, cover the stock with clear packing tape first, then apply the pattern. The work will go much faster and easier. Applying the tape before the pattern avoids the glare from the shop lights shining on the tape.

Don't be afraid to use plenty of spray adhesive. The patterns won't need to be removed as is the case with fretwork. Extra adhesive will also allow you to slide the pattern around to the proper position.

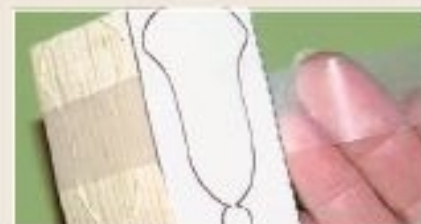
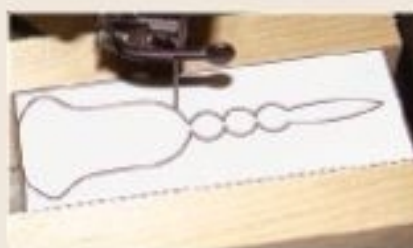
If the pattern you are working on has legs, such as the deer, cut the space between the legs first. If your pattern has frets (inside cuts), such as the ornaments, make the inside cuts first. Cut the frets on both sides and leave all the frets in place as you make the outside cuts. This gives your piece some extra stability as you scroll.

General Instructions

STEP 1. Cut the pattern out around the rectangular line. Fold the pattern in half along the dashed line. Apply spray adhesive to the back of the pattern. Adhere the pattern around two sides of the stock using the dashed line as a guide.



STEP 2. Cut the left side in one continuous line. Stay to the waste side of the pattern lines.



STEP 3. Allowing the figure to rest naturally in the block, pinch the block and the figure together and apply tape around the block with $\frac{3}{4}$ -inch cellophane tape. The taller figures will need to be taped in two places.



STEP 4. Cut the right side in one continuous line. Stay to the waste side of the pattern lines. Tip: Don't push on the bottom of the block while cutting. This will cause the figures to become distorted.



STEP 5. Gently remove the figure from the block. Note: With the more delicate figures, such as the deer, hold the block firmly between your fingers and slide the figure out the back side of the block.

Icicle Ornaments

Last year, our tree was decorated entirely with these scrolled ornaments. I even created an ornament for my favorite puppy dog, Bailey, my daughter's beloved Goldie (see page 17).

All the patterns are cut using the general directions at the beginning of this book. Make the inside cuts on each side first. Then, leaving the frets in place, cut the left side, tape the piece in two places, and cut the right side.

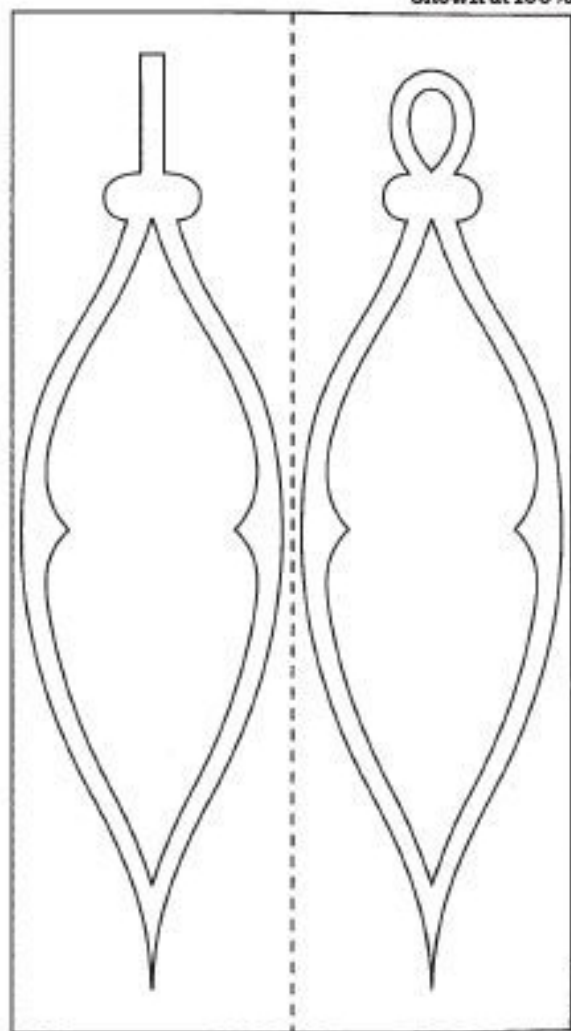
At this point, I have to admit to liking lots of sparkle and glitter. I painted many of the ornaments with metallic paints and then top coated each with glitter paint. When using the glitter paint there is no need to apply a clear spray finish; the paint dries clear and shiny.



Teardrop



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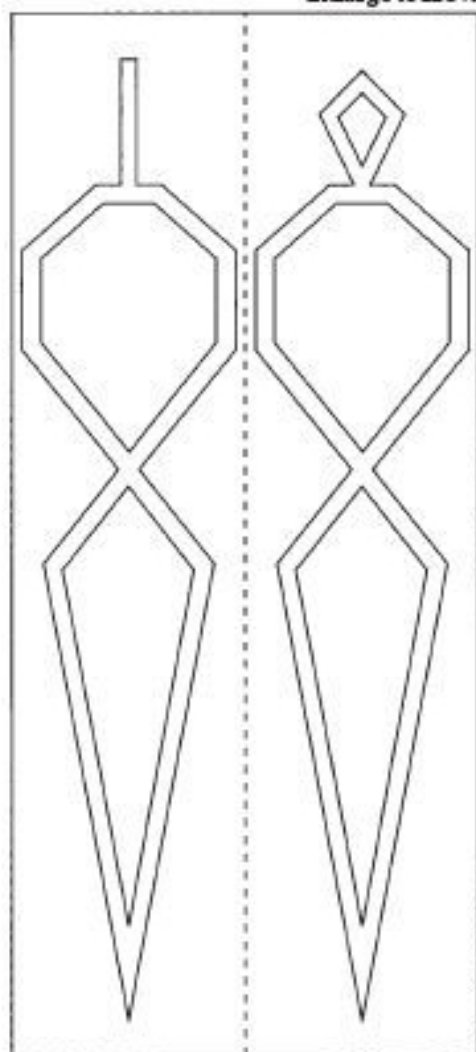


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Transformation



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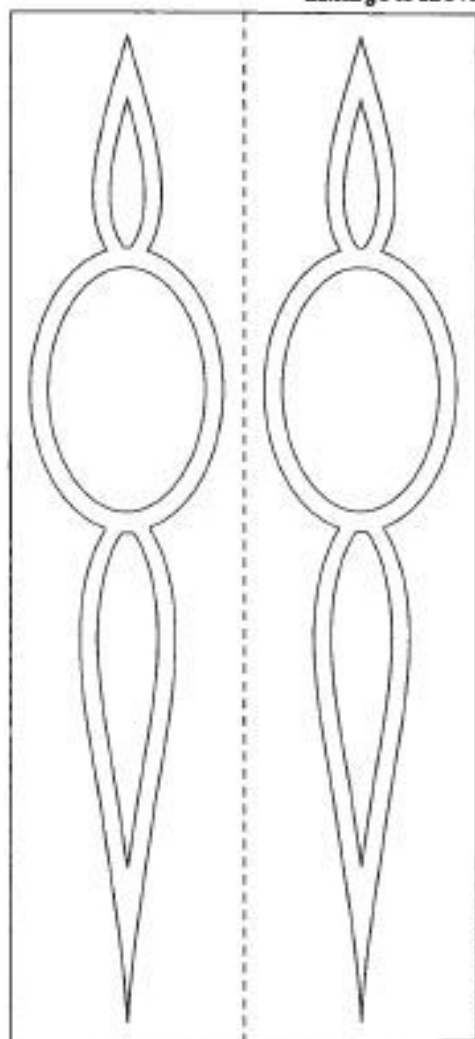


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Melting Sphere



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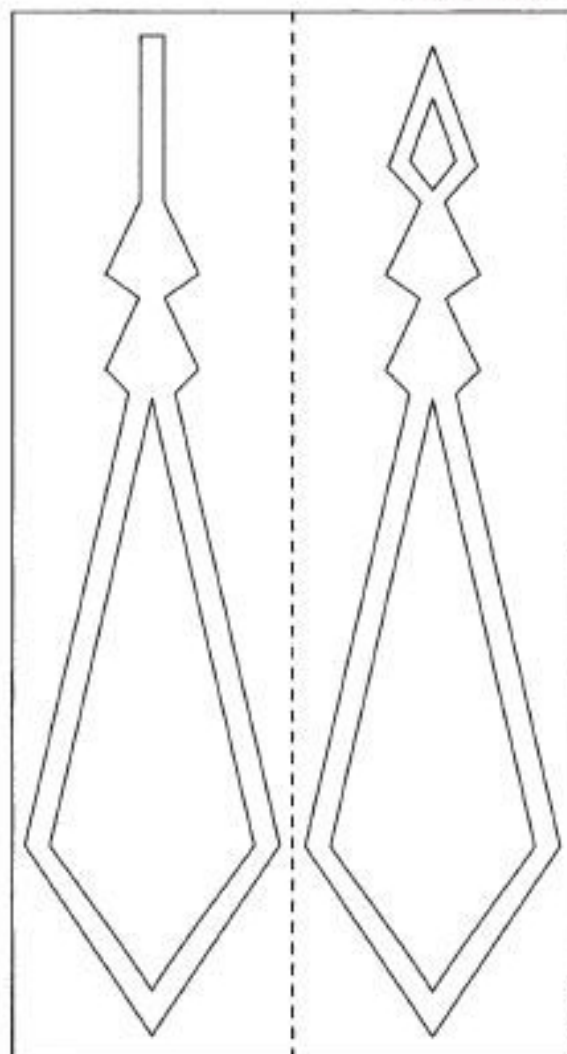


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Dangling Diamonds



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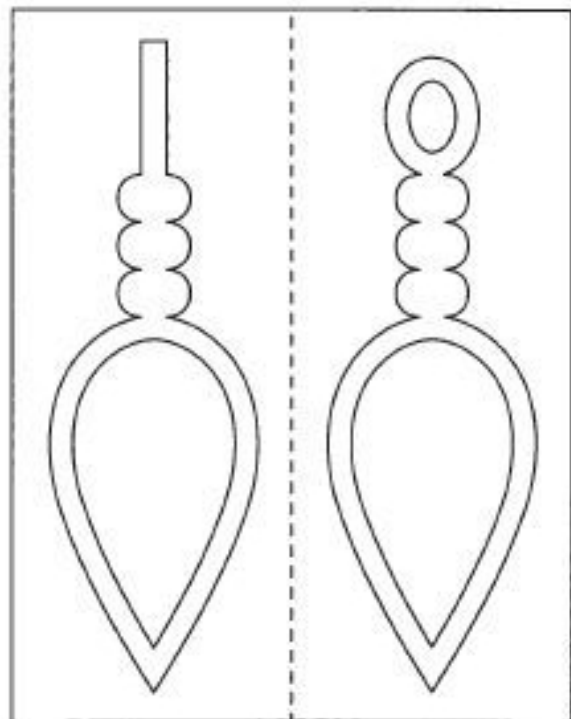


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Droplet



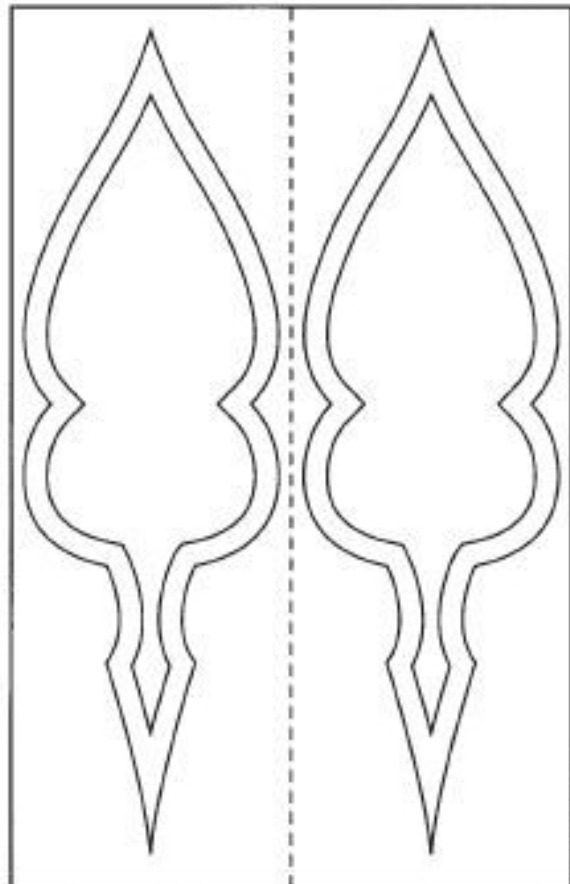
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Ace



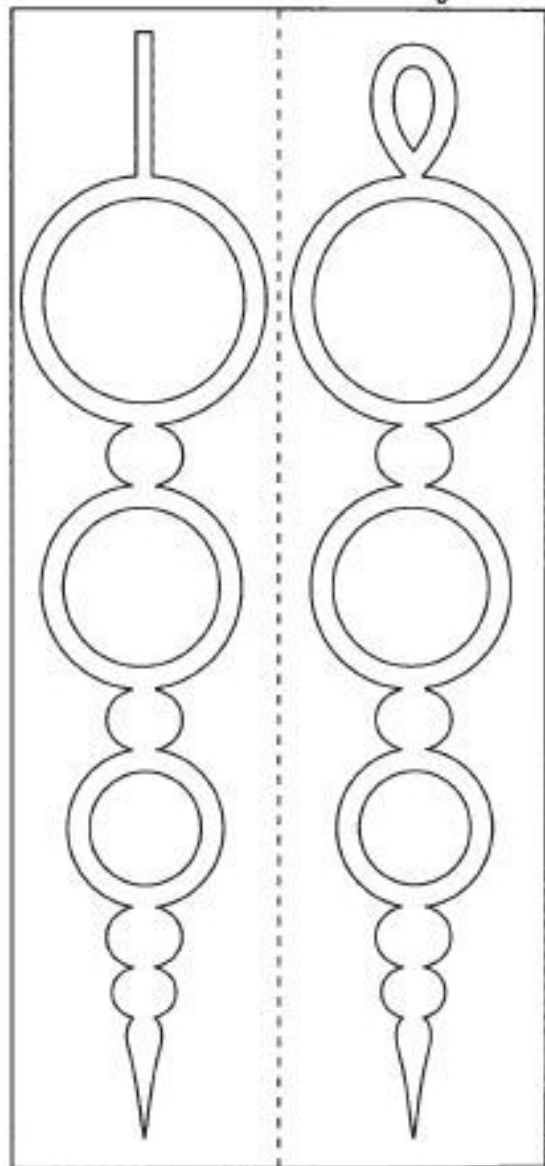
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Triple Spheres



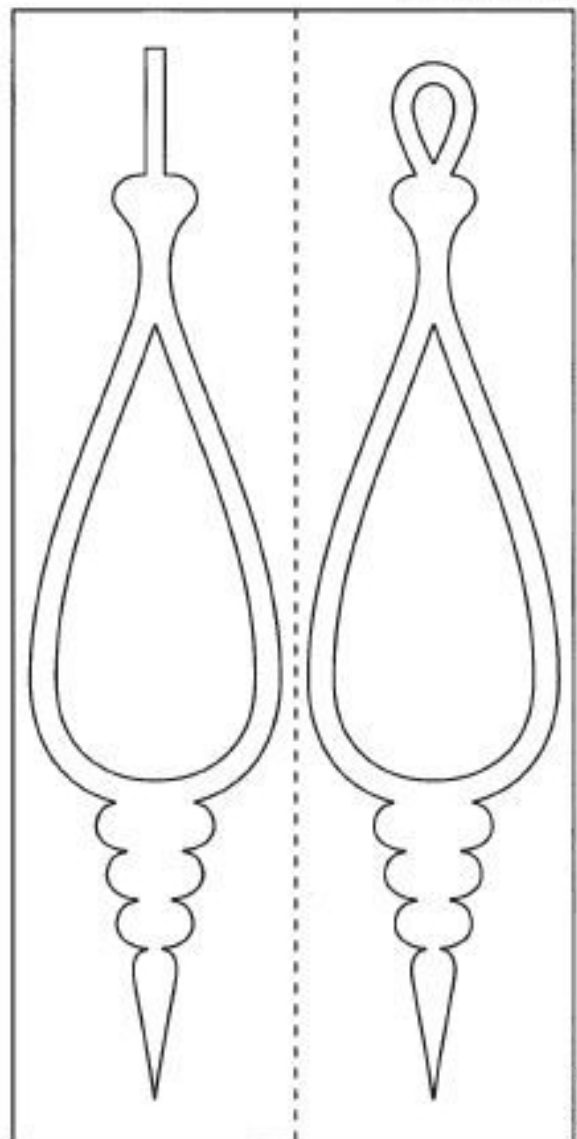
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Spire



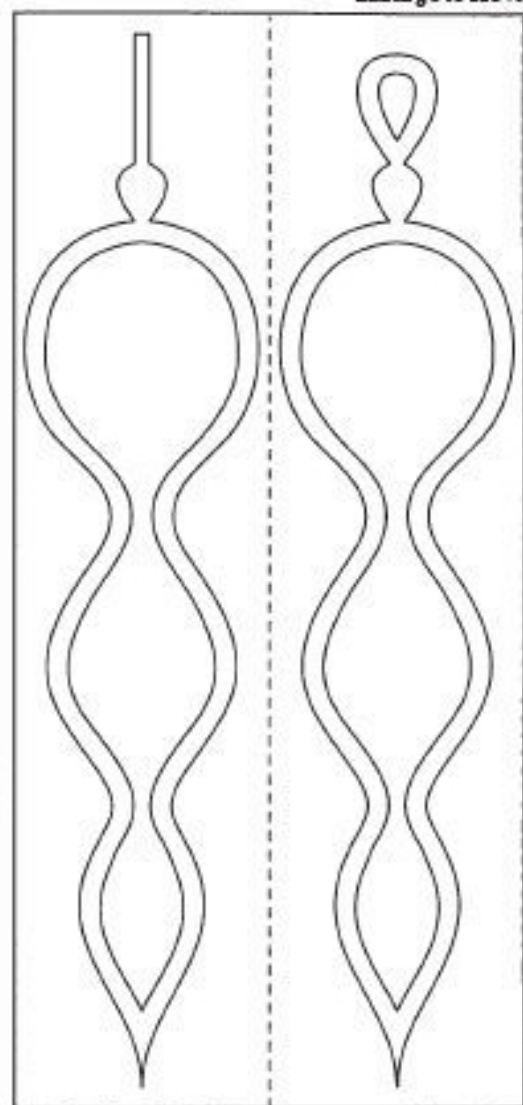
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Icicle



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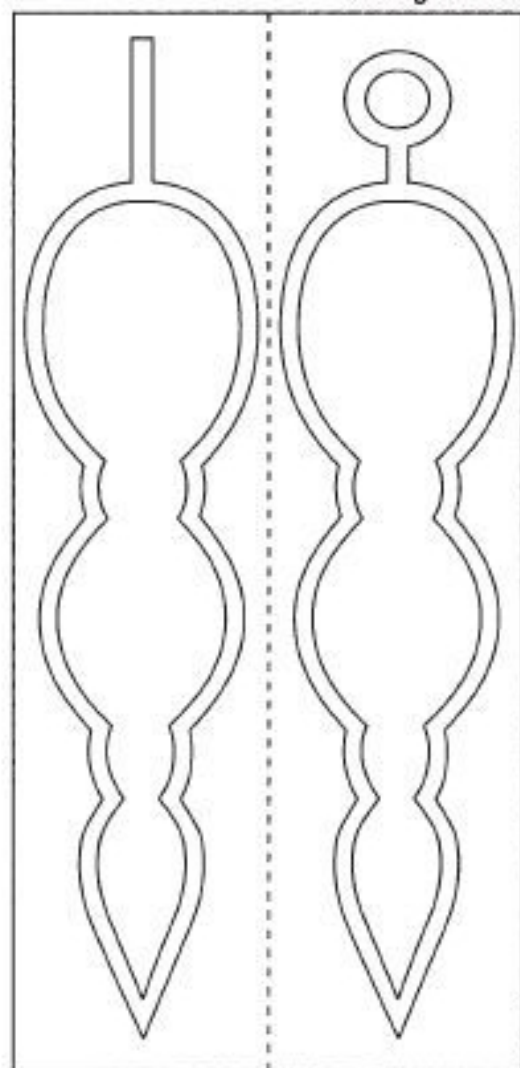


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Inspiration



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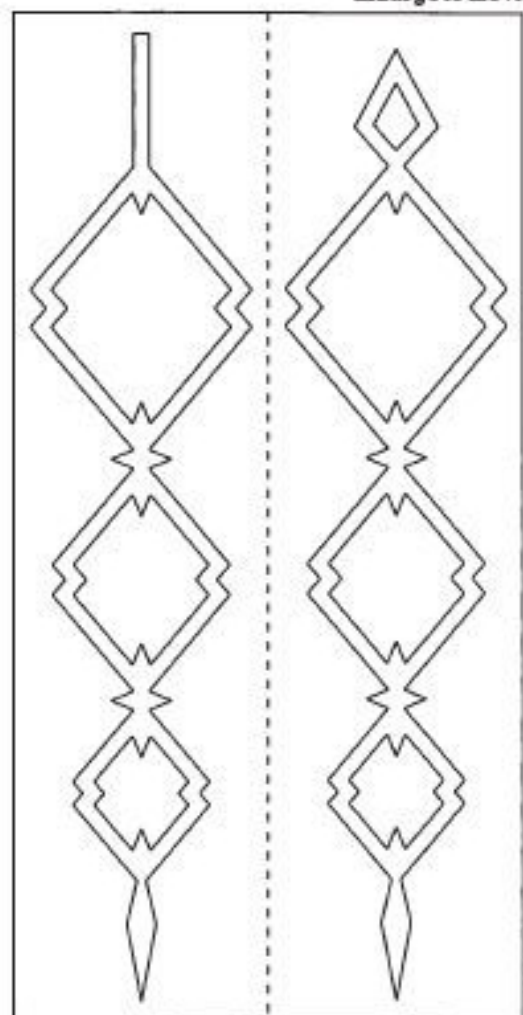


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Triple Diamonds



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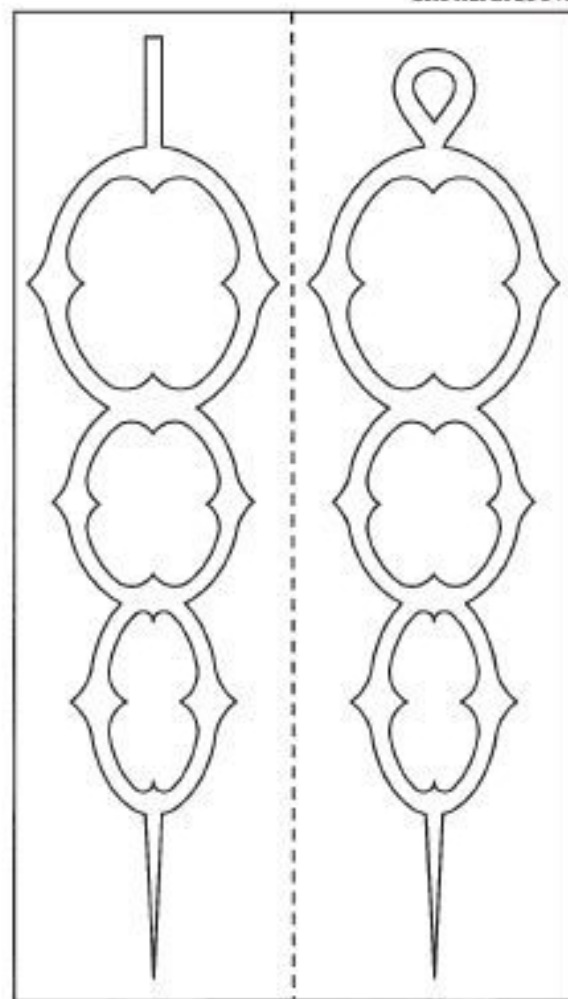


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Descent



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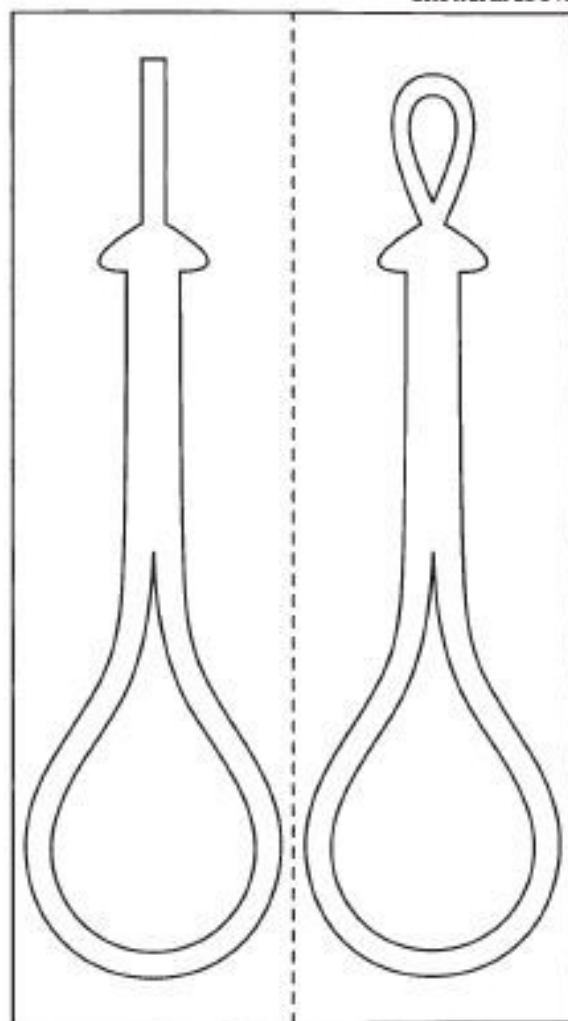
Gravity



3-D Diamond

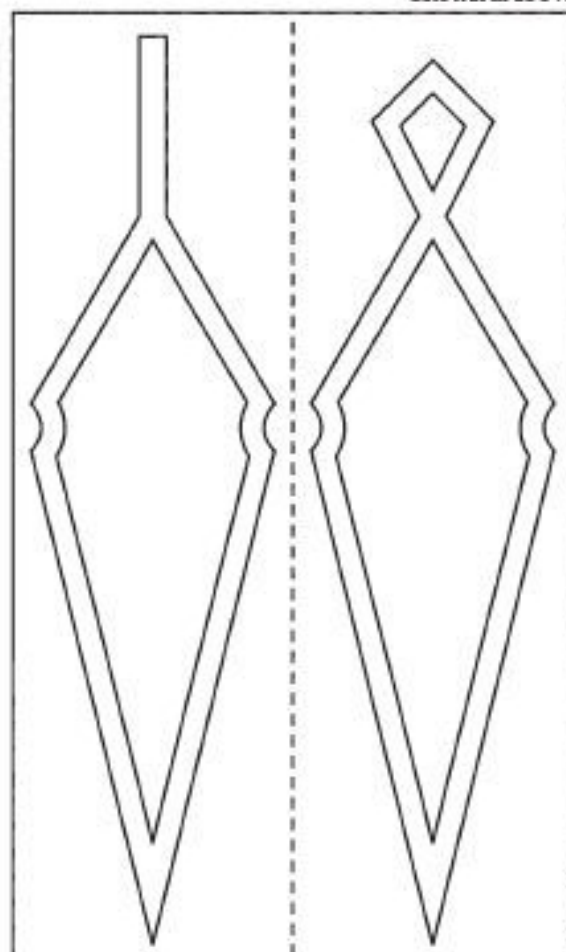


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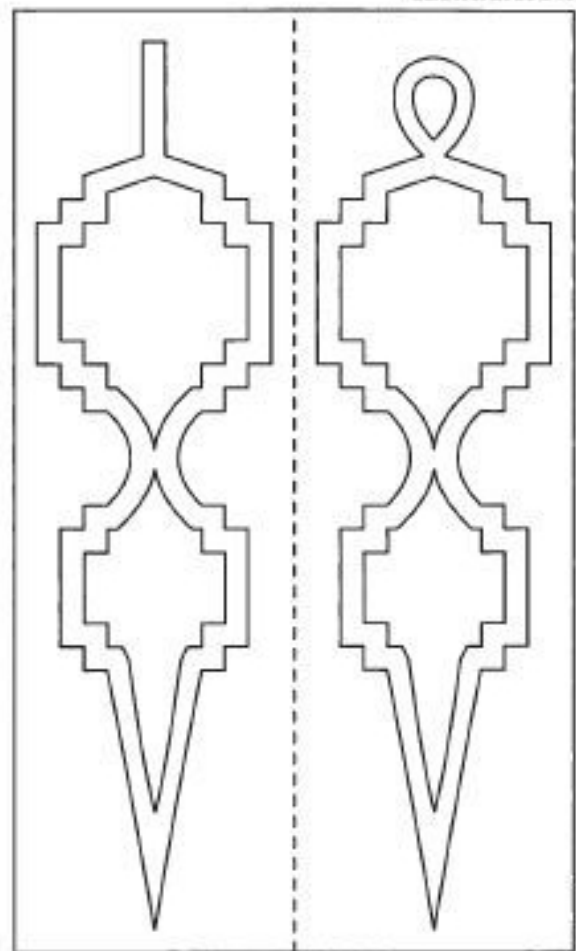


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Steps



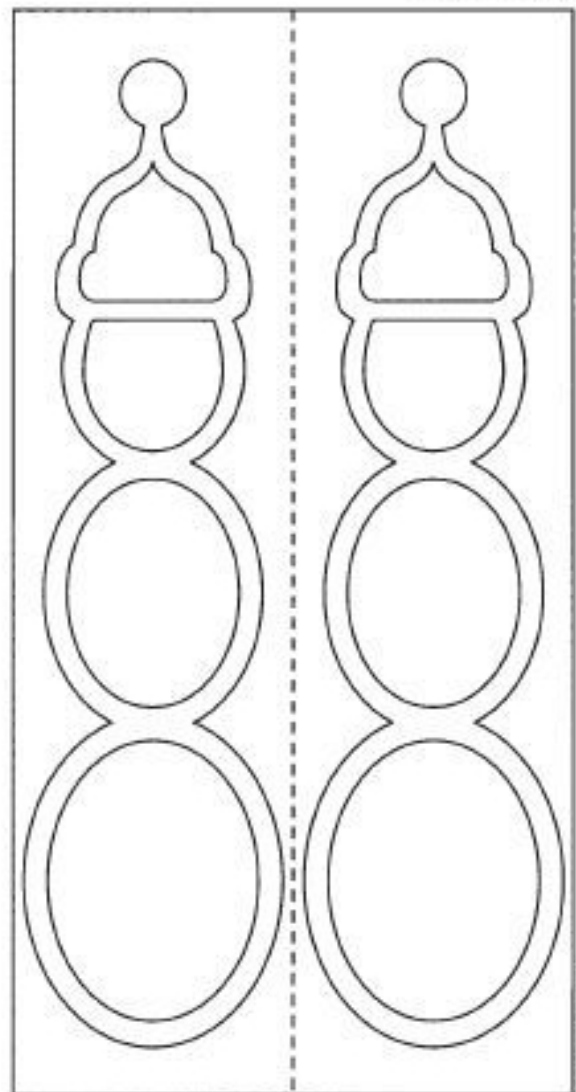
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Snowman



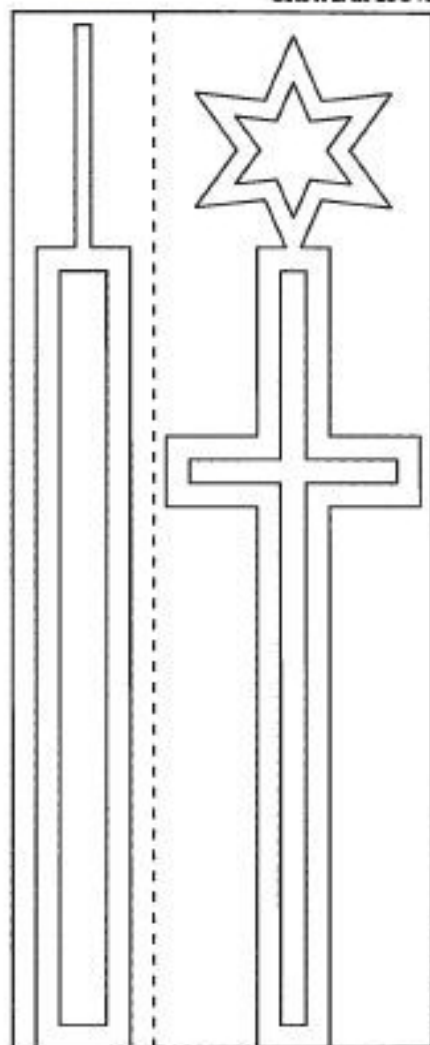
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Blazing Cross



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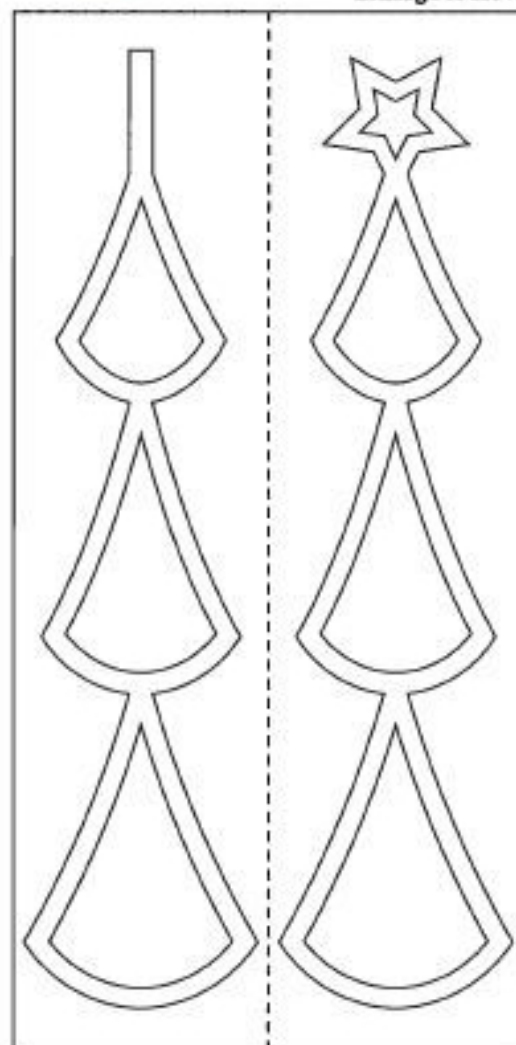


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Christmas Tree



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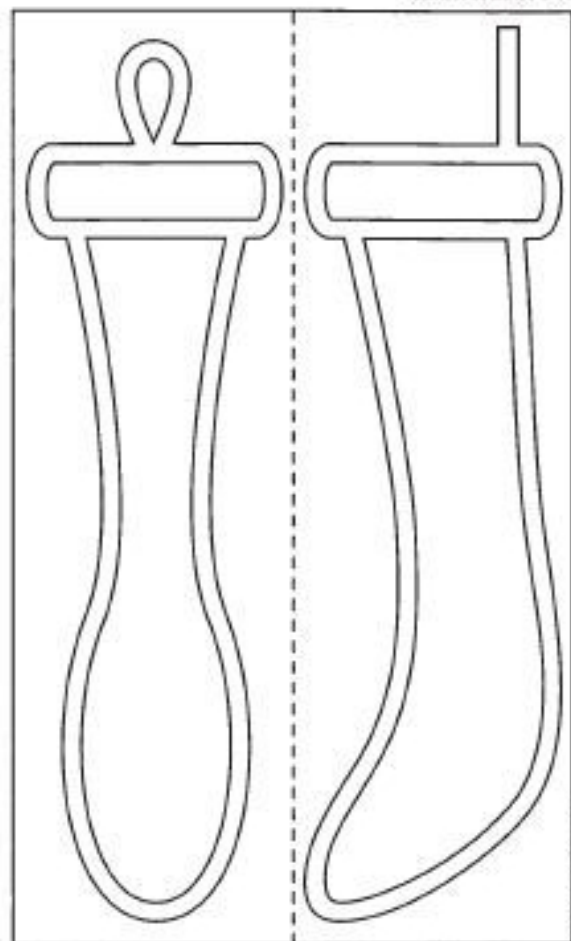


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Christmas Stocking



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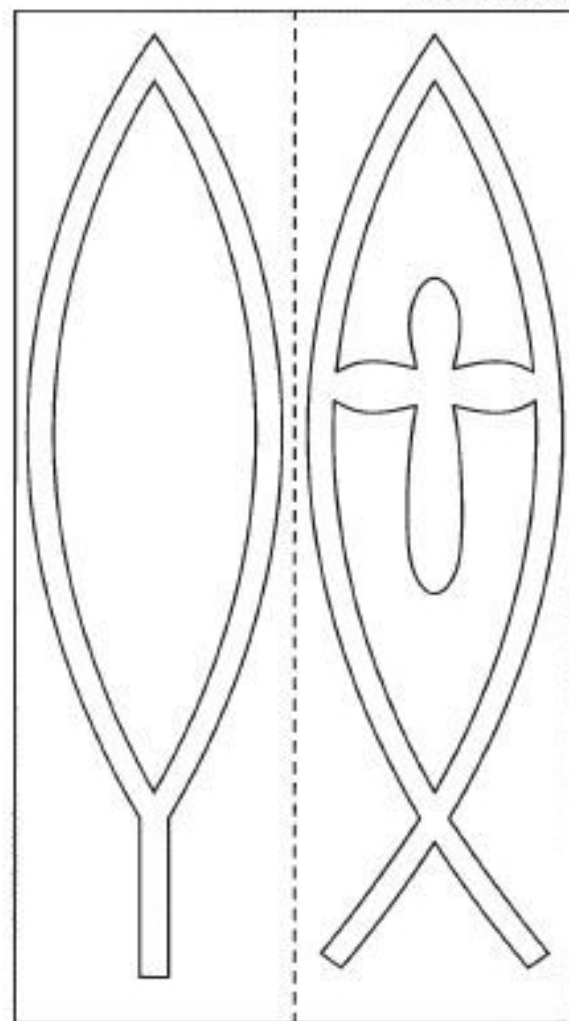


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Ichthus



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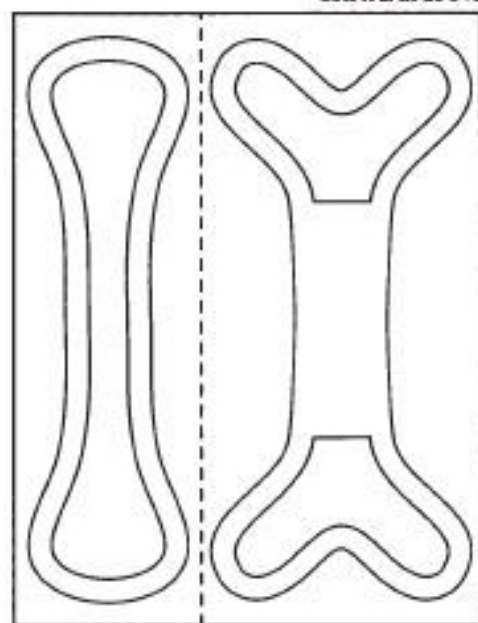


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Special Treat



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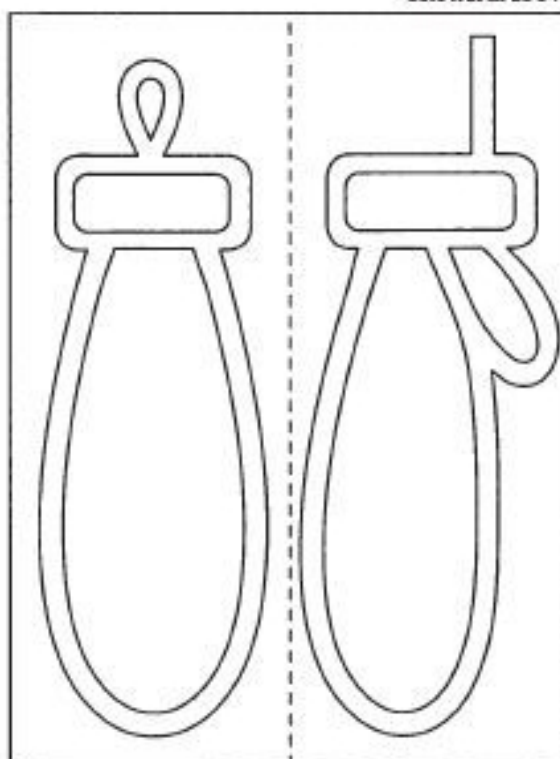


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Mitten



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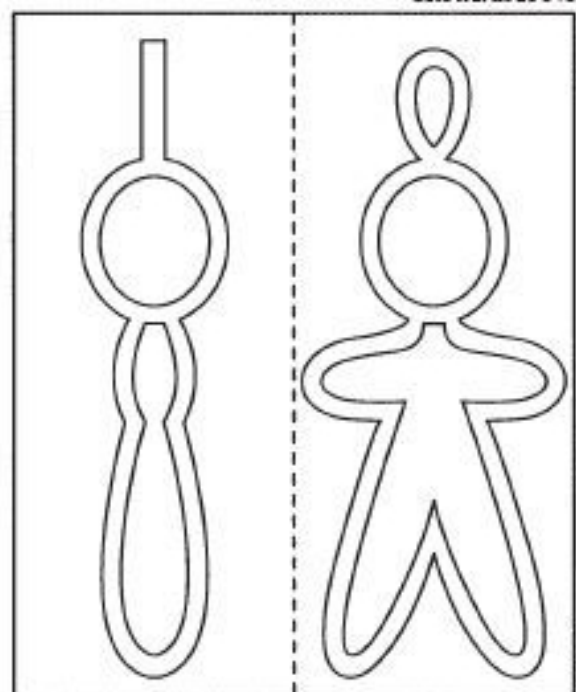


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Gingerbread Man

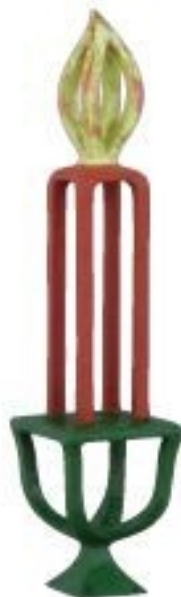


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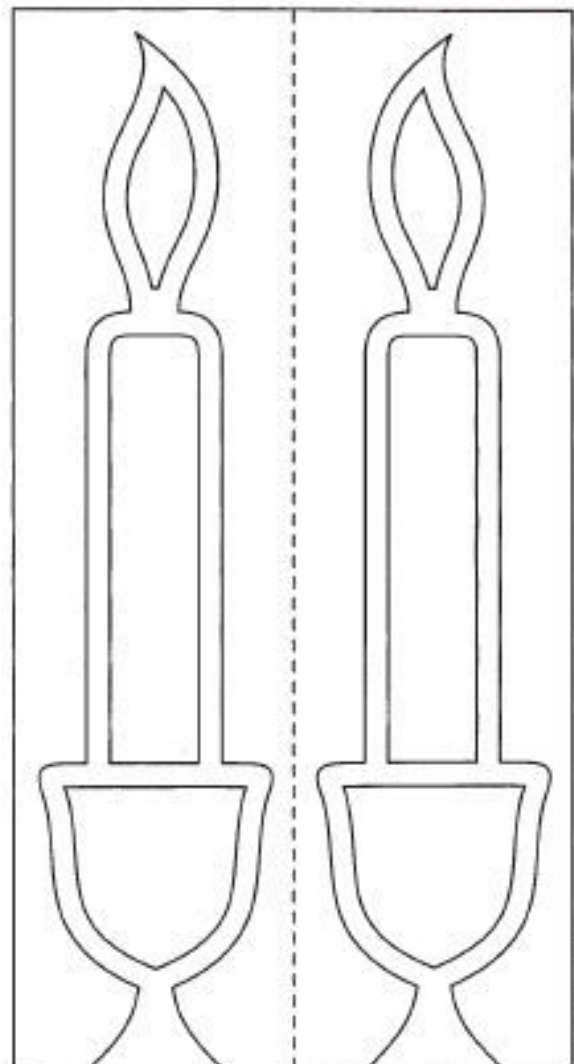


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Flaming Candle



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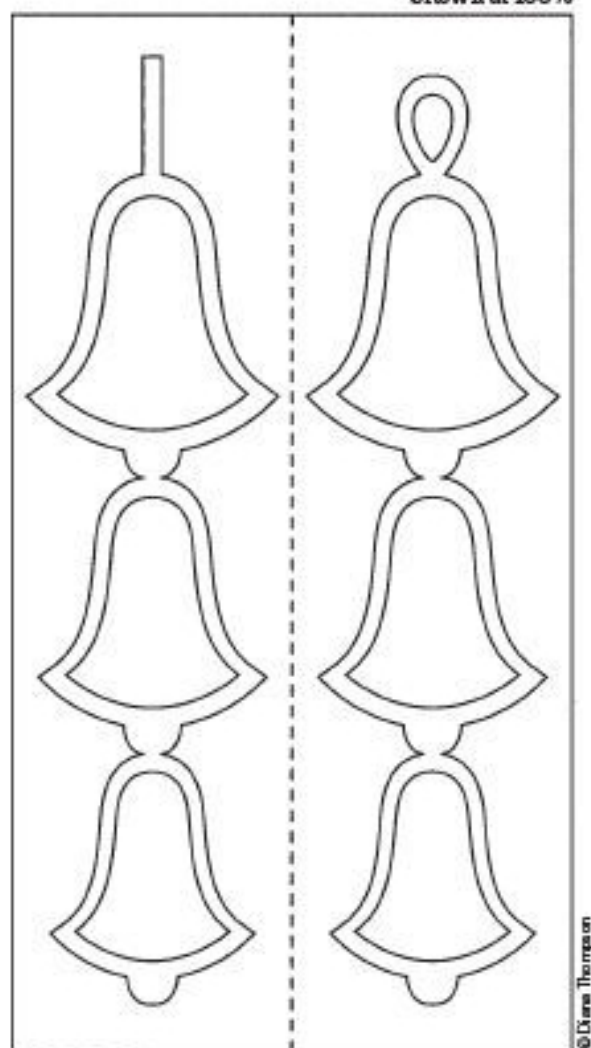


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Silver Bells



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Traditional Ornaments

Most of these figures can hang on your tree or just sit around as decorations during the holiday season.

Traditional ornaments also provide a great opportunity to experiment with different finishes. I finished the teddy bears on page 25 with flocking, which gives a felt-like appearance and texture. To the Christmas trees on pages 27 and 28 I added a touch of decorative snow for a festive look. Both of these finishing materials—and many more—are available at your local craft store. Have fun; try everything!

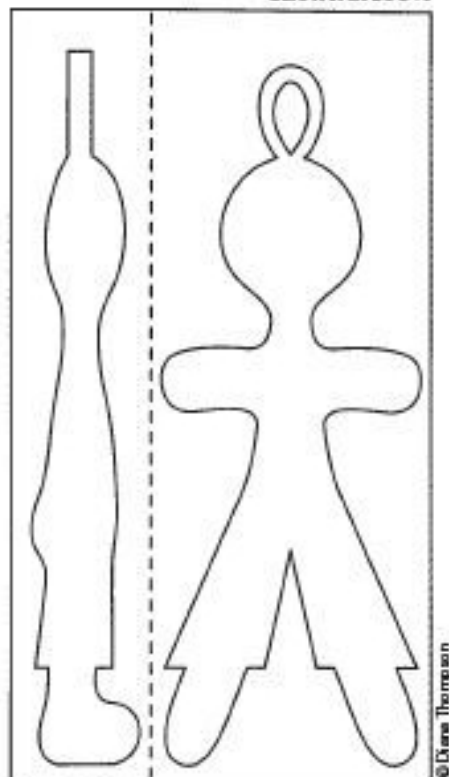


Gingerbread Boy



Remove the hanger at the top to create a tabletop gingerbread family.

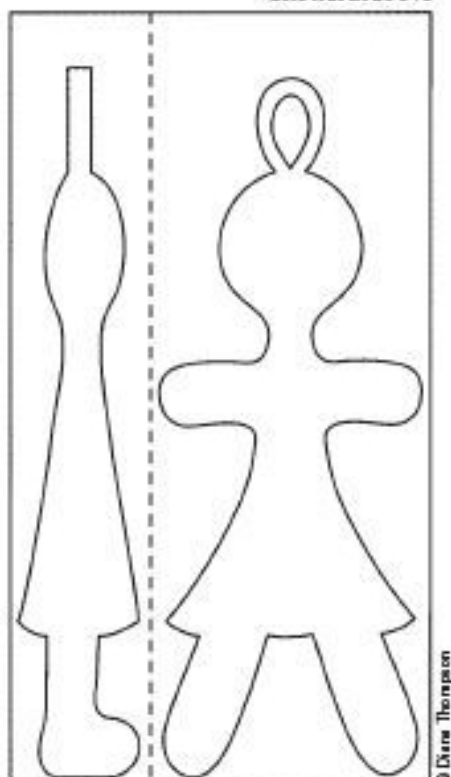
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Gingerbread Girl



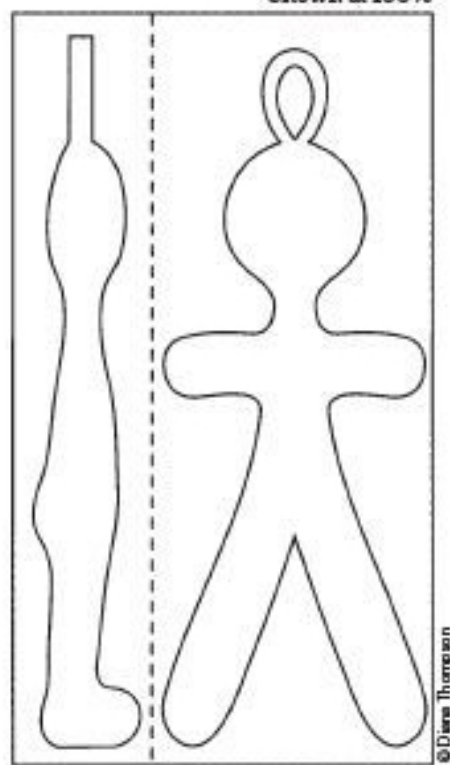
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Gingerbread Man



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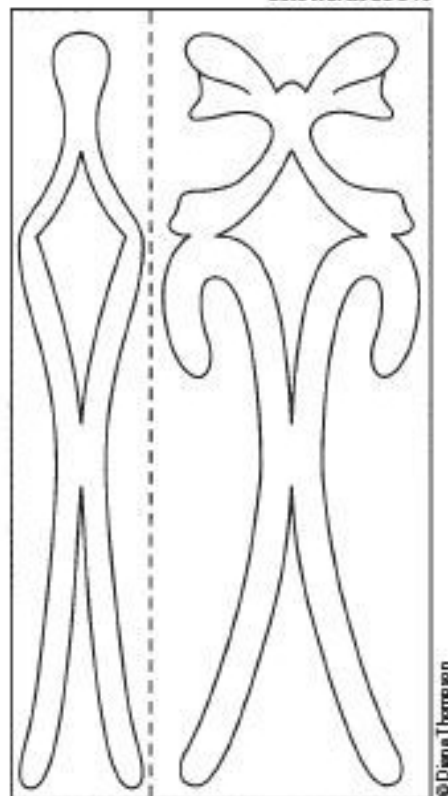


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Four Candy Canes



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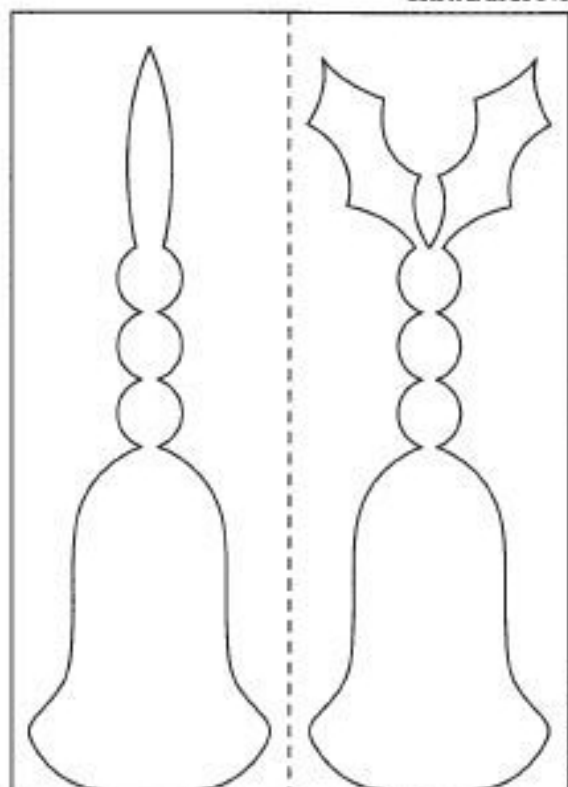
Holly Bell



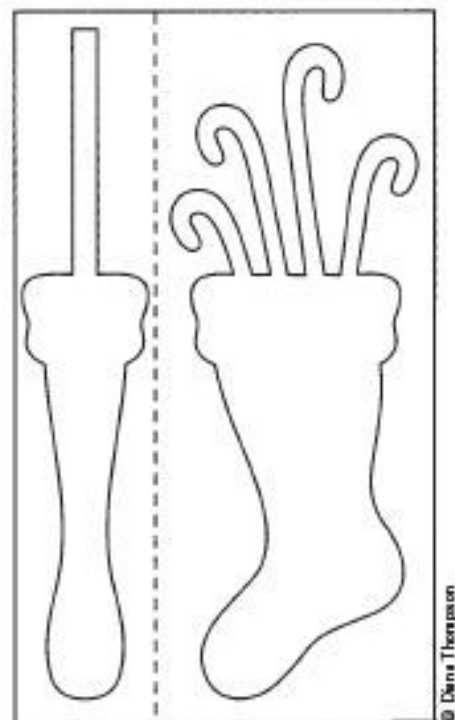
Sweet Stocking



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Teddy Bear Girl

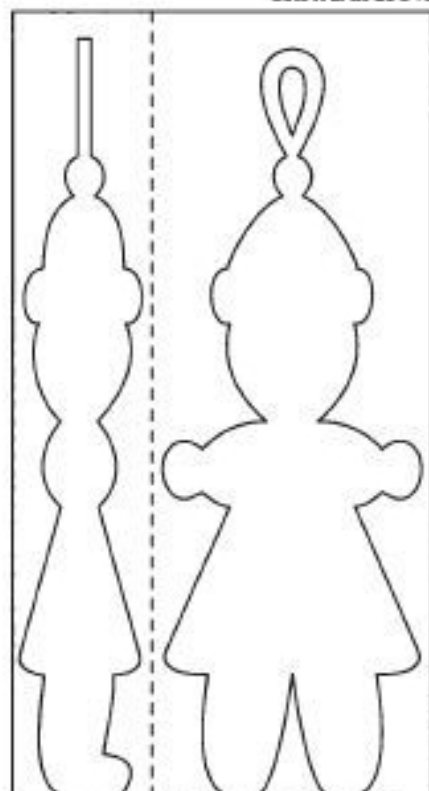


Remove the hanger at the top to create a tabletop teddy bear family.

Teddy Bear Boy

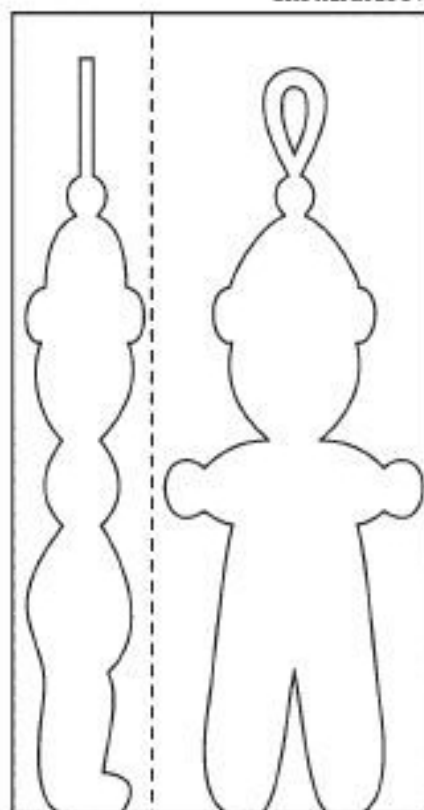


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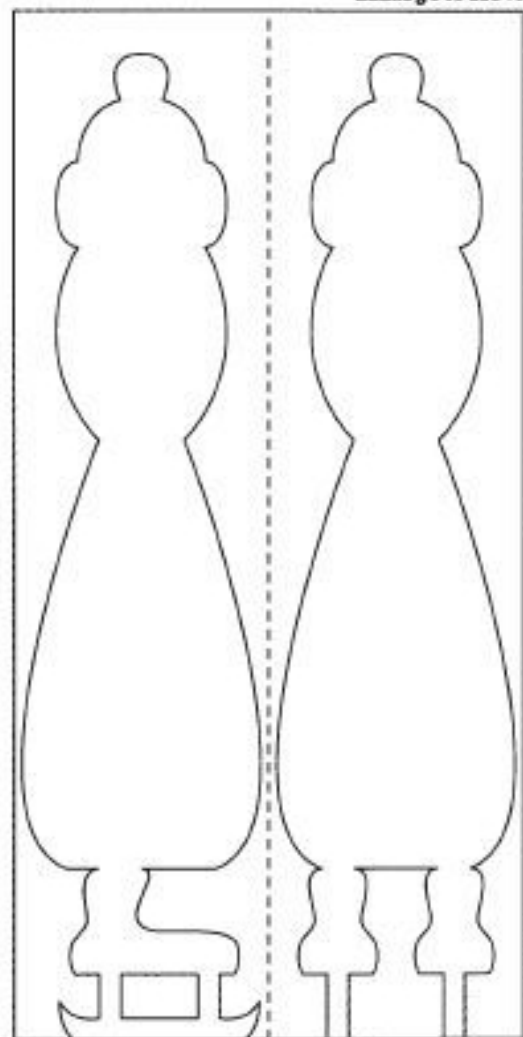


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Ice Skating Snowman



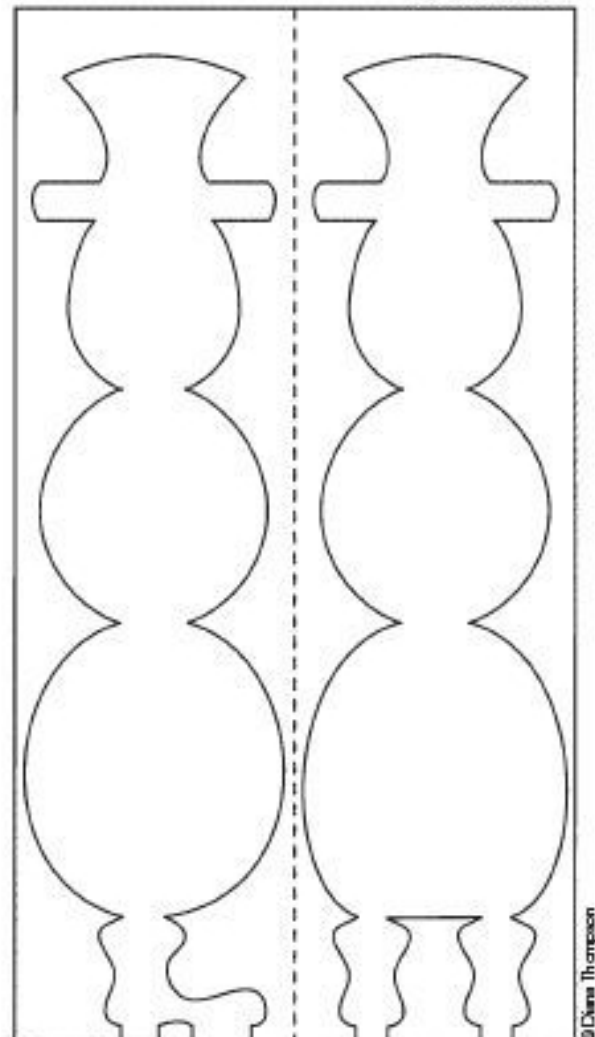
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Silly Snowman



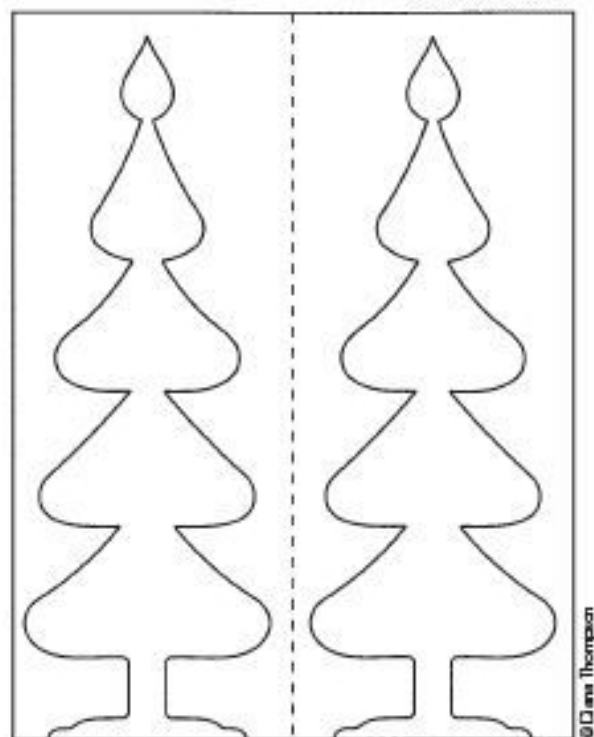
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Snowy Tree



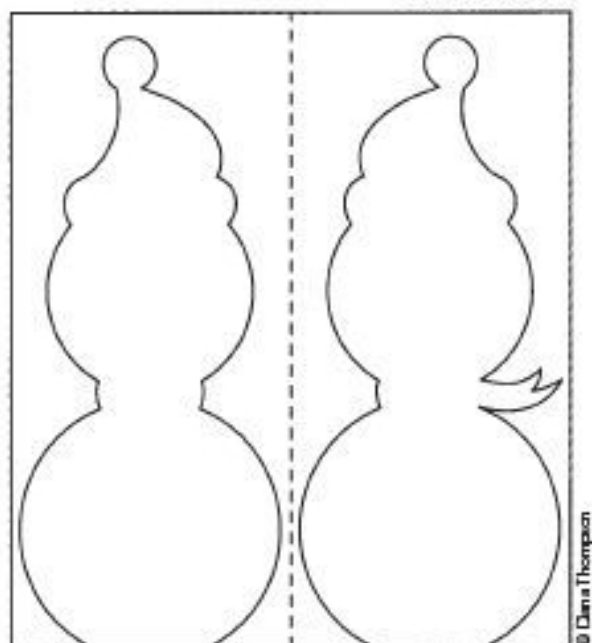
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Chubby Snowman



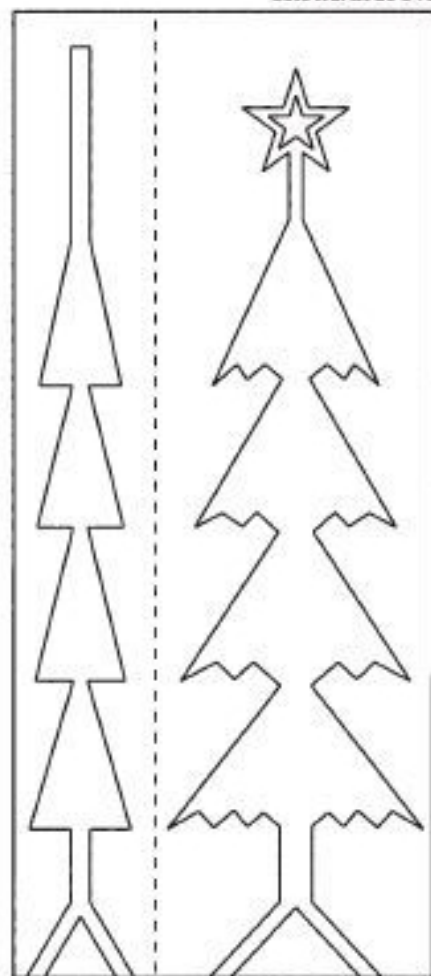
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Tannenbaum



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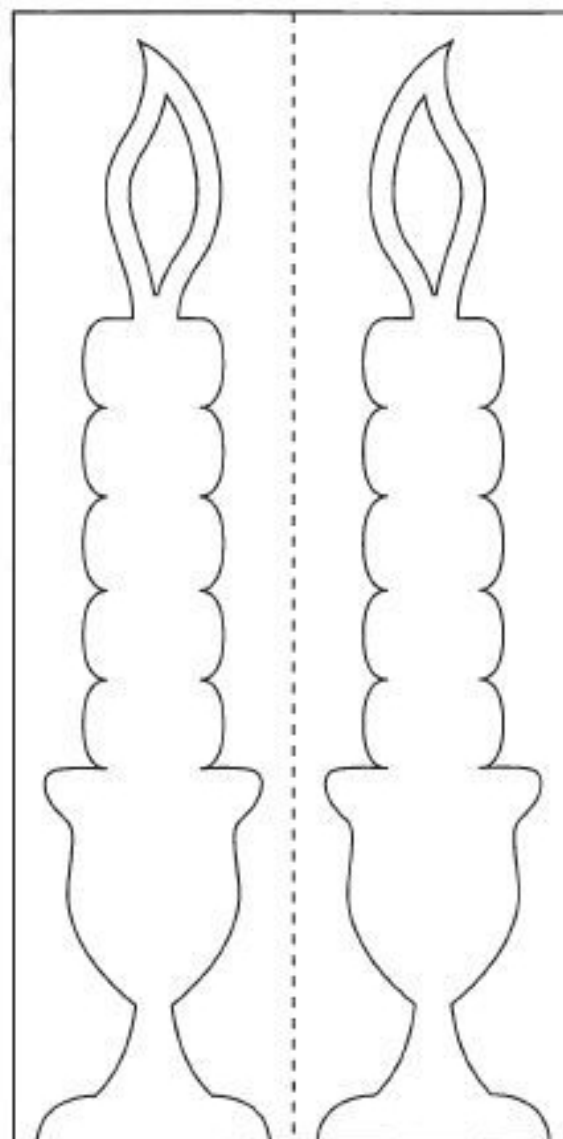


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Burning Bright



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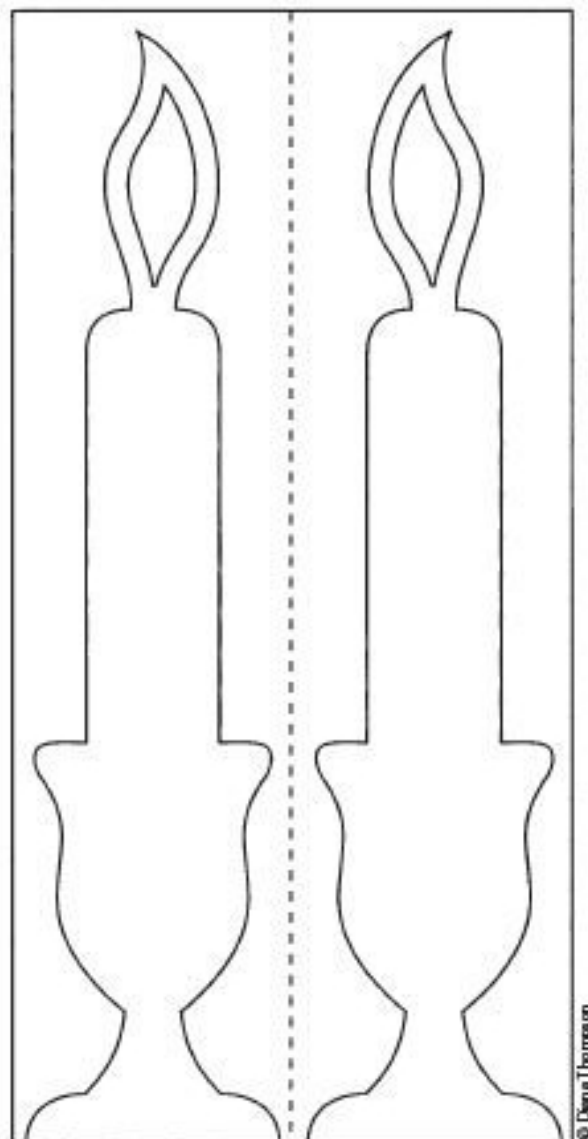


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Evening Glow



Shown at 100%



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Winged Ornaments

The angels in this section were the first two-part patterns I attempted. After the angels turned out so well, I got carried away and put wings on everything! The swan is an adaptation of the original swan pattern in my first book.

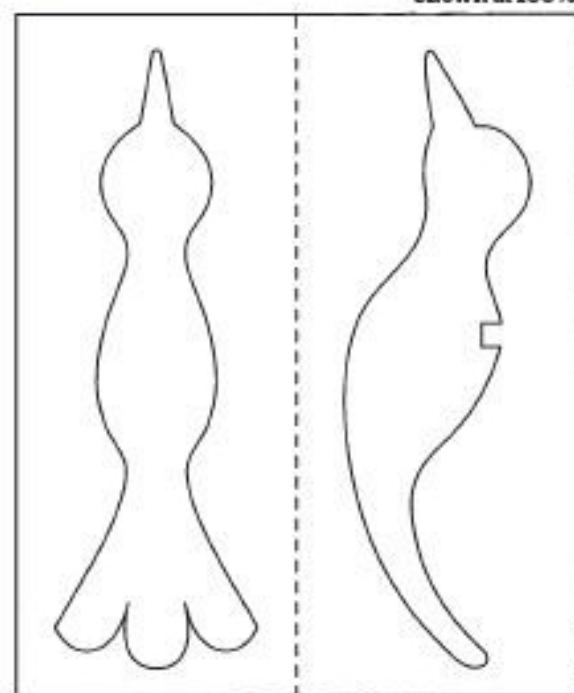
After cutting out the patterns, simply glue the wings into the notch on the body and finish the pieces as desired. Metallic paints and sparkle coats make great finishes for these flying ornaments.



Dove of Peace

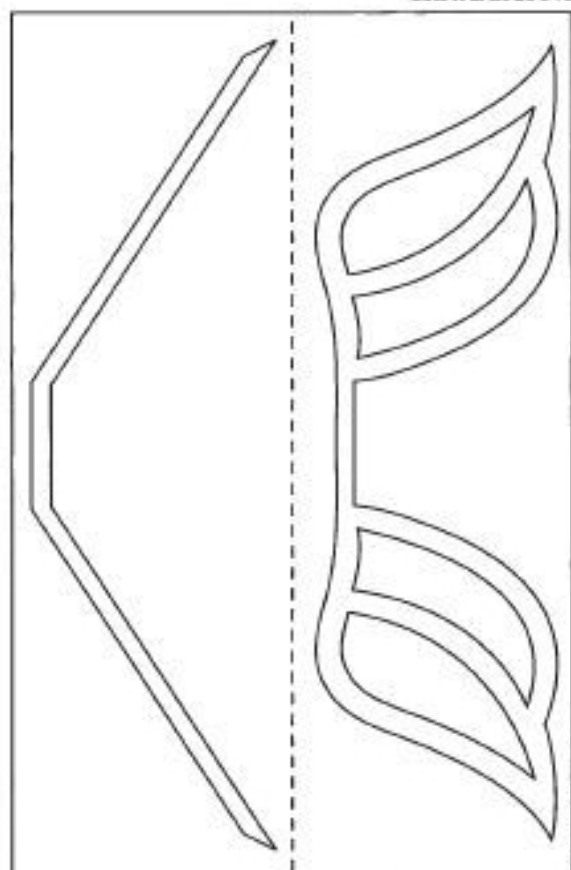


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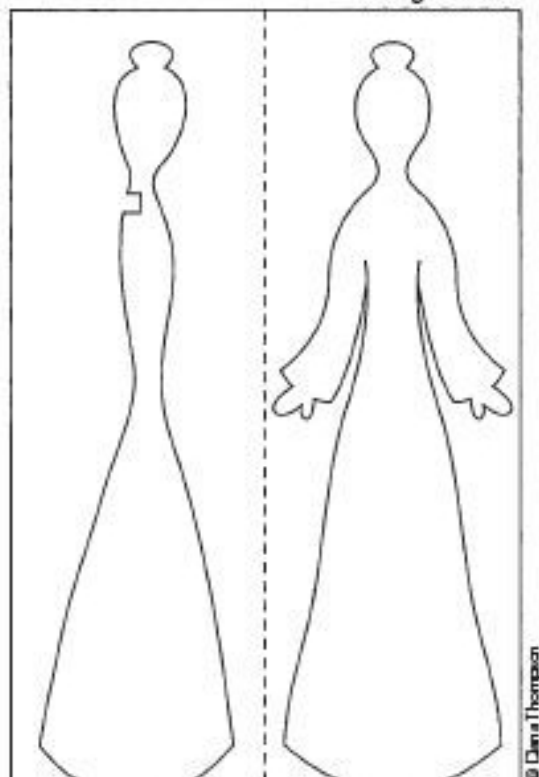


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Guardian Angel

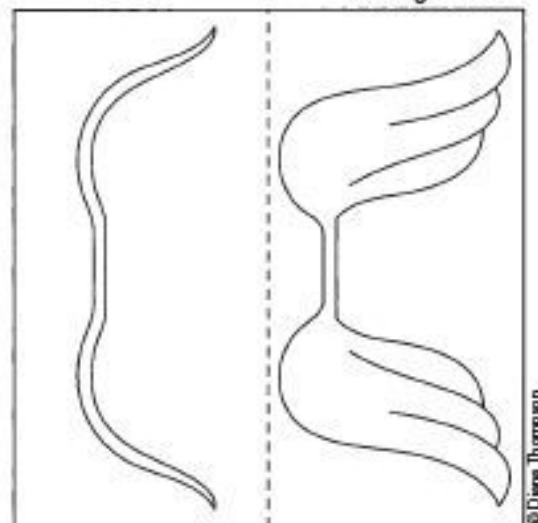


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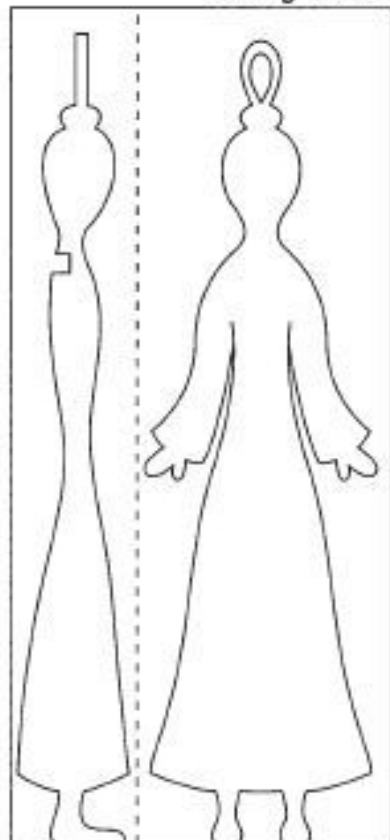


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Heralding Angel

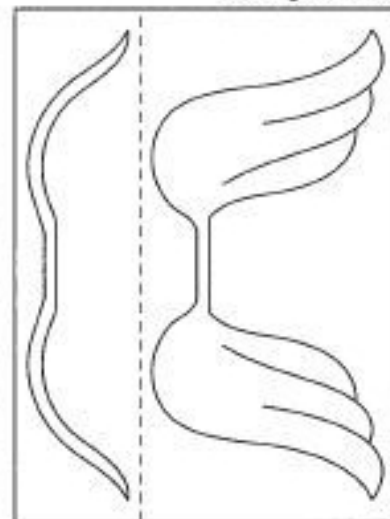


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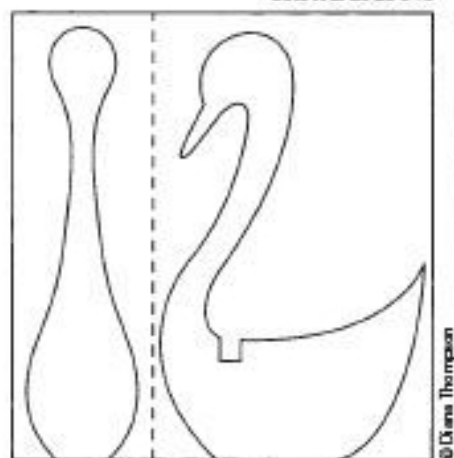


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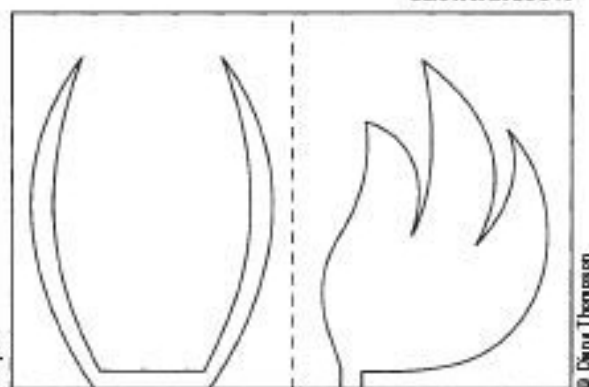
Christmas Swan



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Compound Projects

What would the holiday season be without all the decorations that come out of storage to brighten up our homes during this festive season?

All of the projects on the following pages are designed to adorn tabletops, shelves, mantels—you name it; these projects will be perfect.

Follow the basic cutting instructions at the beginning of this book to cut the projects. Assembly directions and special weighting options are discussed on the pattern pages for each individual project. Again, experiment and have fun with finish.



Snowmen Candlesticks

This is what happens when a designer becomes fascinated with Forstner bits: she drills holes in everything! These compound candlesticks are the perfect example. I altered a snowman pattern to fit a hole big enough for standard taper candles, then drilled a hole in the top for the candles and in the bottom for a counterweight. It's a simple technique. Try it on some of your other favorite holiday patterns.

Special Tools

- $\frac{3}{8}$ " Forstner bit for top opening
- $\frac{1}{2}$ " Forstner bit for bottom opening

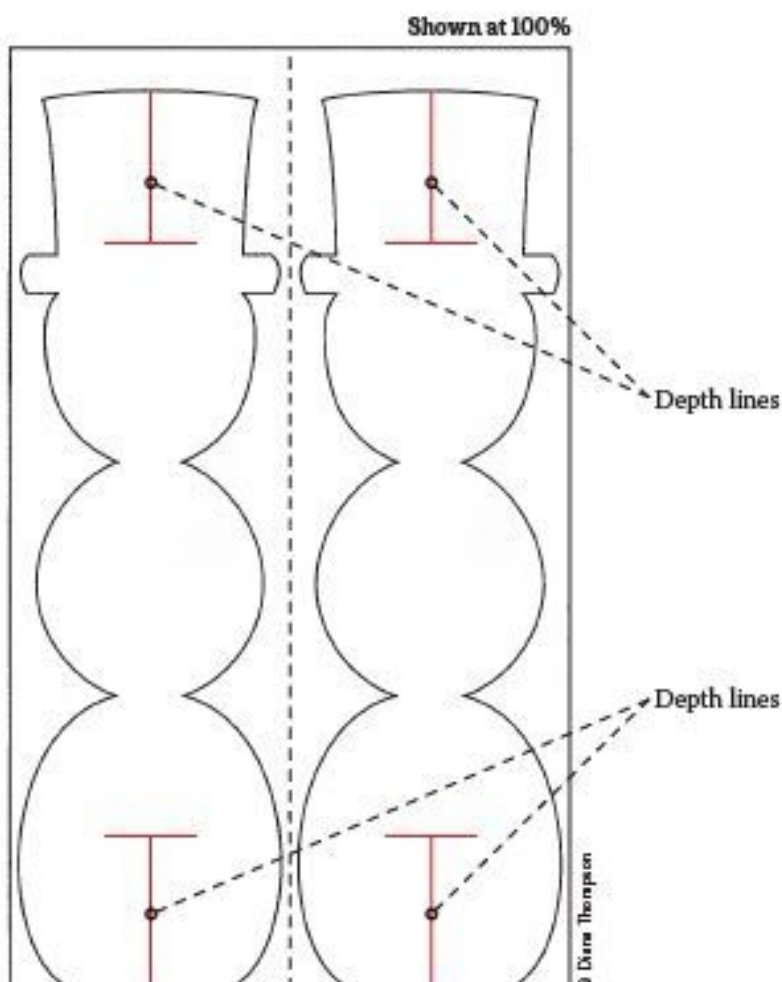
Special Supplies

- 1 oz. egg sinker (This is simply an egg-shaped lead fishing weight, found at a local superstore.)
- 1-6 x $1\frac{1}{4}$ " flathead screw or epoxy glue

Directions

1. After applying the pattern to the wood, measure and mark the center point on the top and the bottom.
2. Using the $\frac{3}{8}$ " Forstner bit, drill to the depth line on the top.
3. Using the $\frac{1}{2}$ " Forstner bit, repeat the process on the bottom.
4. Cut the piece out according to the general directions at the beginning of this book.
5. Glue the weight into the bottom hole with epoxy. You may also choose to secure the weight with a screw, in which case the opening in the weight will need to be enlarged with a $\frac{3}{4}$ " bit.
6. To give the figure a more realistic appearance, mix a little texture-building compound to the white paint. Finish the details as desired and top coat the entire piece with a clear glitter paint. I got carried away and glittered the candles, too!





Mark the center point on the top and bottom of the stock.



Using the center point as a guide, drill a hole to accept the weight.

Poinsettia Centerpiece

This lovely vase of bright poinsettias was a challenge to design. Fortunately, it's easier to cut than it was to develop. Some assembly is required.

Special Tools

- $\frac{3}{8}$ " Forstner bit
- Weight bashing jig (directions below)

Special Supplies

- 1 oz. egg sinker (This is simply an egg-shaped fishing weight, found at your local superstore.)
- 1-4 x $\frac{3}{8}$ " flathead screw or epoxy glue

Making the Weight Jig

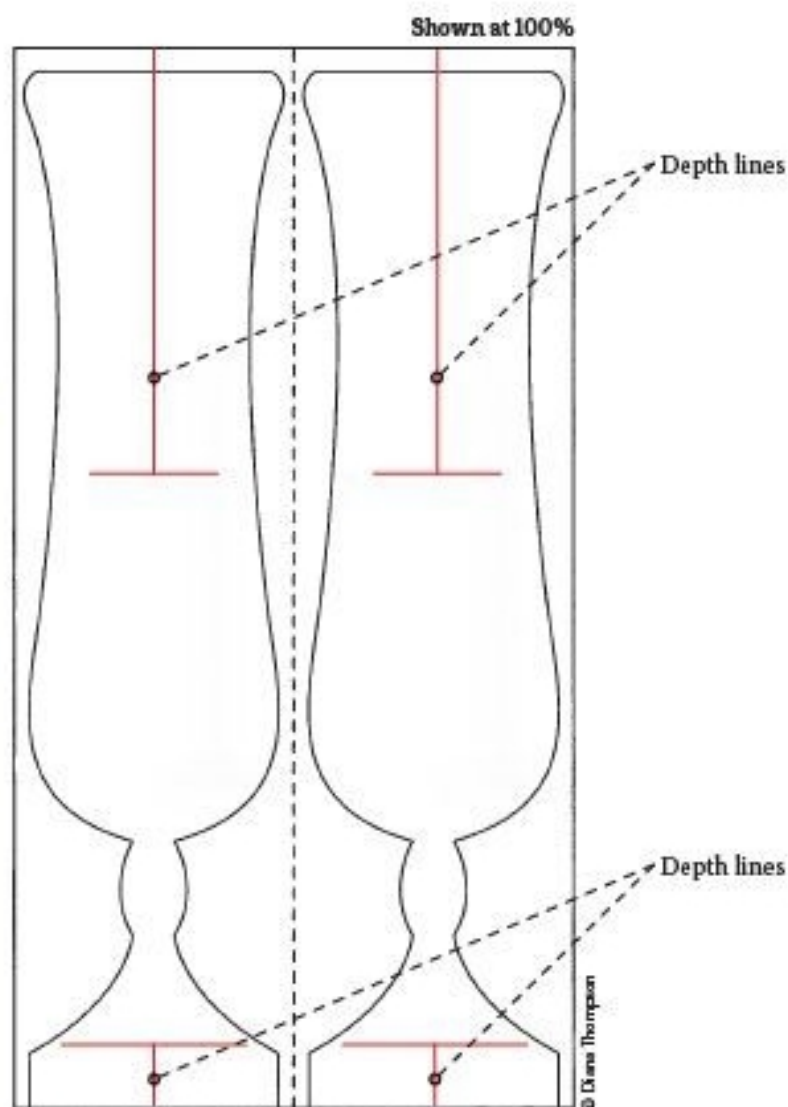
To make the weight jig, use the $\frac{3}{8}$ " Forstner bit to drill a hole in a $\frac{1}{4}$ " thick piece of spare stock. Place the egg sinker inside and bash it down with a hammer until the weight is even with the top of the jig.

The weight can be secured in the bottom hole with epoxy glue. You may also choose to attach the weight with a flathead screw, in which case the center hole will need to be enlarged with a $\frac{3}{32}$ " drill bit.

Directions

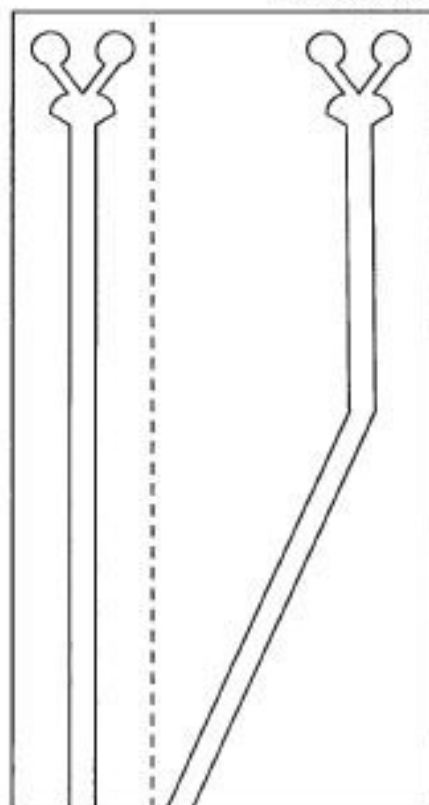
1. Mark and drill the top and bottom holes in the vase with a $\frac{3}{8}$ " Forstner bit.
2. Cut the vase out according to the general directions in the front of this book.
3. Cut out all of the poinsettia pieces according to the general directions. Each flower needs one stem, eight "petals," and four leaves.
4. Glue the first set of petals (petal 1). There will be a small gap between the petals and the stamen.
5. Glue the leaves into place below the first set of petals.
6. Apply the glue and tuck the tips of the second set of petals into the gaps between the first set of petals and the stamen.



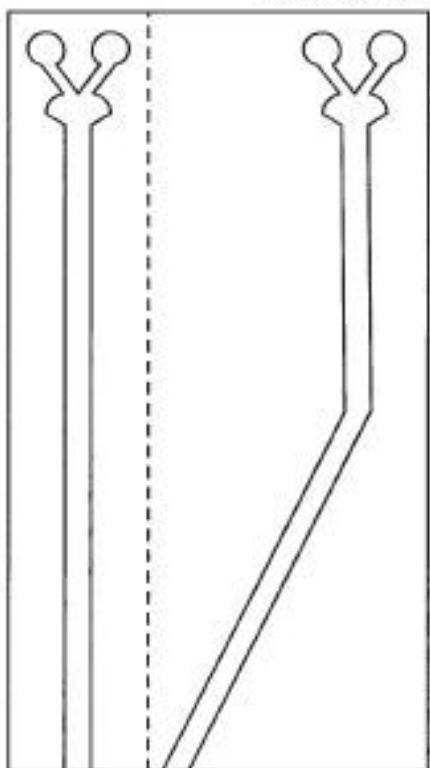


Make a "weight bashing jig" by drilling a hole into a $\frac{1}{4}$ " piece of spare stock.

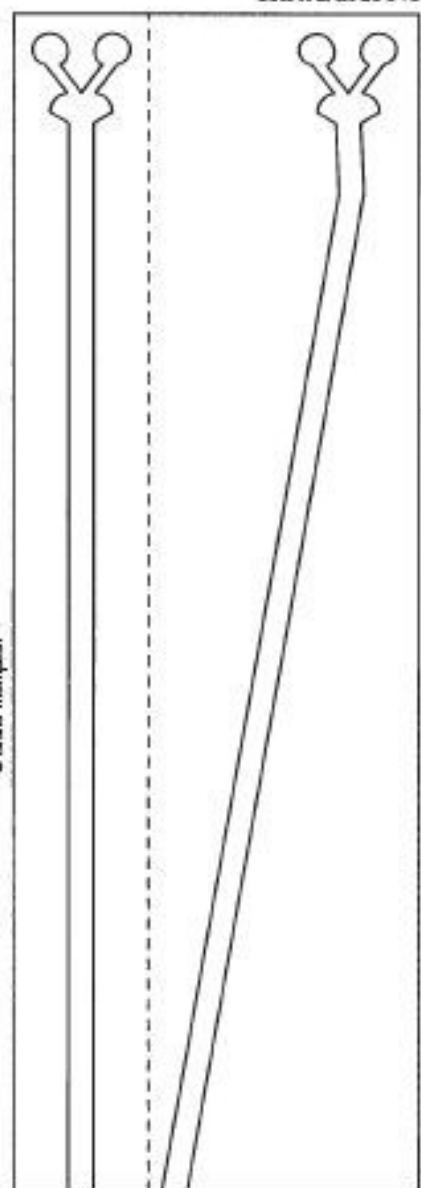
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Glue the first set of petals (petal 1) into place on the stem.

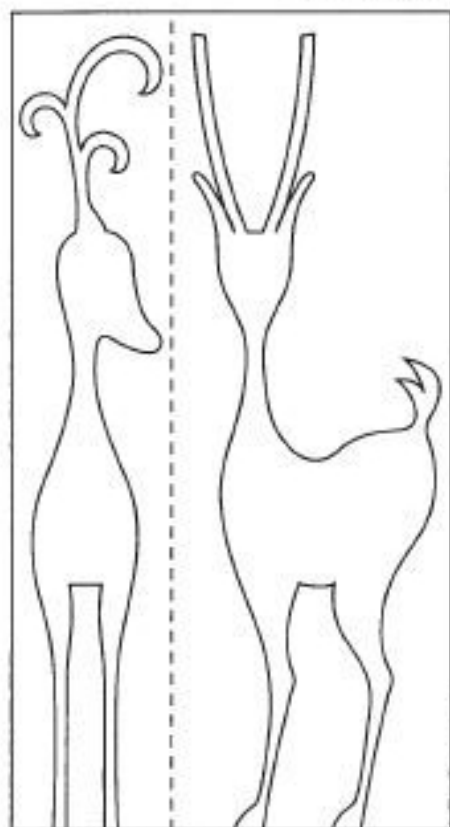


Glue the leaves into place below the first set of petals.



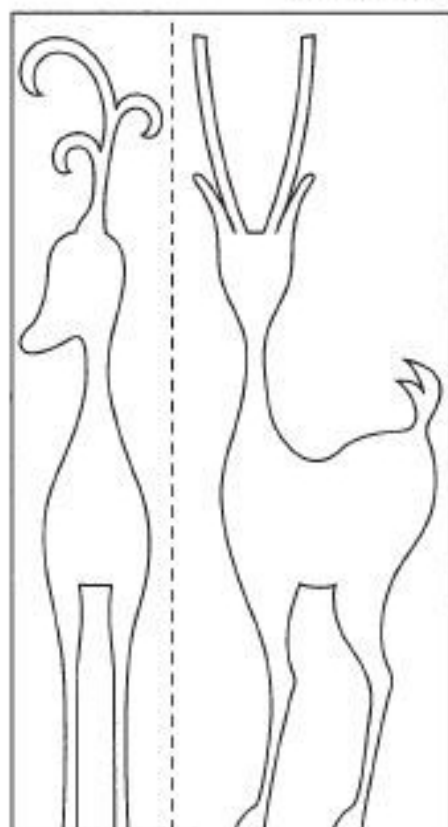
Glue the second set of petals into place just below the stamen.

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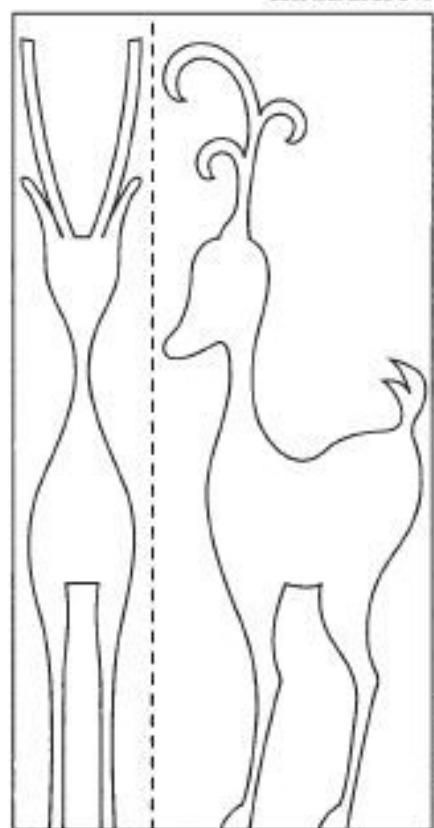
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Trim Your Tree with Handmade Holiday Ornaments



The best ornaments on the Christmas tree are always those that are handmade! Use your scroll saw to create memorable three-dimensional Christmas ornaments to hang on your tree, use as holiday decorations, or give to family and friends.

Inside you'll find dozens of inventive ready-to-use patterns to use in creating inspirational ornaments, nativity scenes, tree toppers, holiday centerpieces, snowmen candlestick holders, and much, much more.

Each festive design in this newly revised book features compound cutting, a simple technique that uses multiple cuts to produce amazingly complex-looking results. Follow the author's instructions to learn the secret of making compound cuts on your scroll saw. Her easy methods will give your ornaments height, width, and depth, providing impressive results at any skill level.

Inside you'll find 52 ready-to-use ornament patterns, including:

- ♦ Snowmen and Santas
- ♦ Doves and Teddy Bears
- ♦ Gingerbread Men
- ♦ Candy Canes, Bells, and Stockings
- ♦ Traditional Tree Toppers
- ♦ Icicles, Angels, and Many More!

Plus festive projects for:

- ♦ A Simple Nativity Scene
- ♦ Snowmen Candlestick Holders
- ♦ Poinsettia Centerpiece
- ♦ Sleigh and Reindeer

