



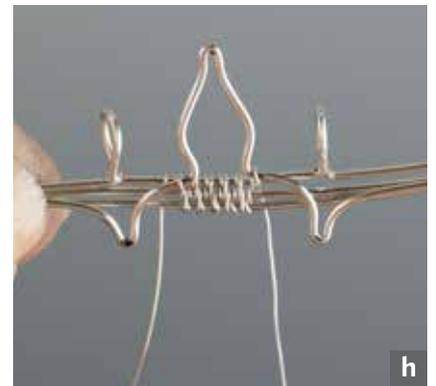
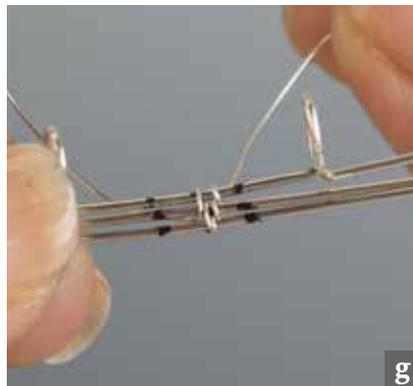
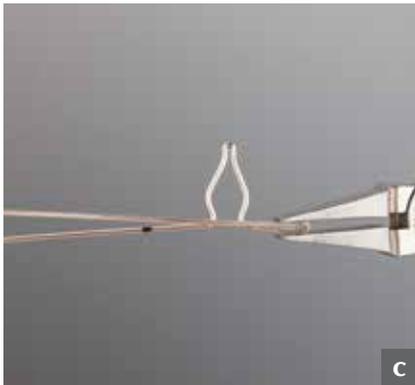
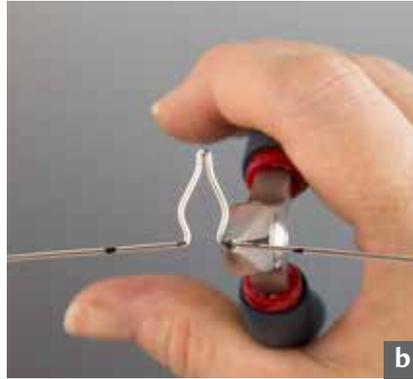
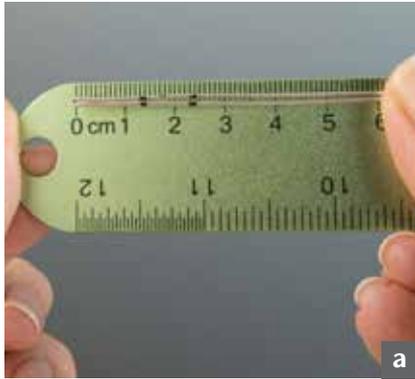
# Contents

<b>Foreword .....</b>	<b>4</b>
<b>Introduction.....</b>	<b>5</b>
<b>Tools and Supplies .....</b>	<b>6</b>
<b>Basic Techniques .....</b>	<b>12</b>

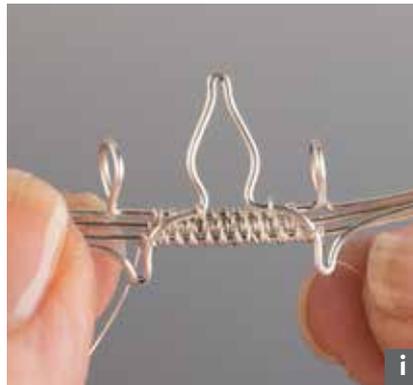
## **Projects**

Jewel Beetle Wing Earrings .....	22
Jewel Beetle Wing Necklace.....	25
Chakra Tree of Life Pendant.....	30
Lotus Flower Pendant .....	34
Sonoran Sunrise Necklace.....	41
Aromatherapy Necklace.....	48
Ocean's Treasure Earrings.....	53
Astraea Earrings.....	57
Taxidermy Eye Pendant.....	61
Free Spirit Cuff.....	66
Woven Neck Cuff .....	71
Loopy Ring.....	75
Mother's Embrace Necklace.....	79
Victorian Blossom Bracelet.....	82
Independence Rose Vessel.....	86
Be Kind Pendant.....	90
Cicada Wing Pendant.....	94
Swirl Gemstone Ring .....	99
Forget-Me-Not Pendant .....	102
Forget-Me-Not Cuff.....	106

<b>Acknowledgments and About the Author .....</b>	<b>111</b>
---	------------



side (the mark shows you where to stop weaving and add the peak) **(photo g)**. Continue with the 2-1 weave until you reach the marks on either side. Add the peak by weaving it to the bail wire **(photo h)**. Continue the weave to the lower peaks, and wrap it to the bottom wire once **(photo i)**. Continue weaving until the weaving wire reaches the bail loops. Wrap the weaving wire around the bail loops once **(photo j)**. Weave about four or five more 2-1 weave pairs, then include the peak wire in the last two rows of weaves **(photo k)**. Cut the weaving wire.

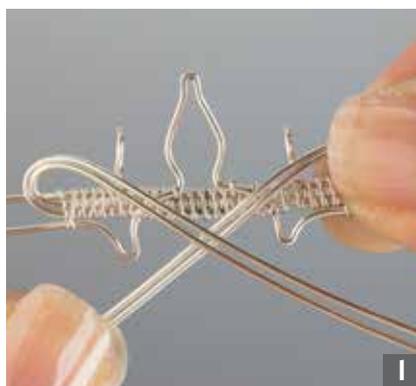


## SUPPLIES (BAIL)

- o 72cm 20-gauge dead-soft round wire
- o 20cm 22-gauge dead-soft round wire
- o 90cm 28-gauge dead-soft round wire
- o 1 4mm bead
- o 2 3mm metal beads

## TOOLS

- o Wire Toolkit
- o 3mm bail-forming pliers



#### 4 / Ornate bail loops

Finger-loop the center two wires inward, on the left and right side, until they cross in the center of the peak; keep the wires parallel (photo l). Bring the two pairs of wires behind the weave, in the center, and up to the base of the peak, and wrap each of the four wires once around the peak base (photo m). Finger-loop the top right wire inward and downward so it is a little higher than the previous loops (photo n).

Wrap it twice around the base of the bail loop (photo o). Repeat on the opposite side (photo p).

#### 5 / The lower loops

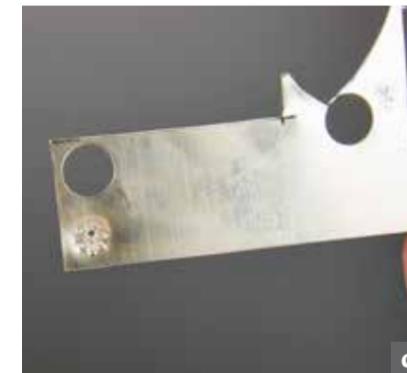
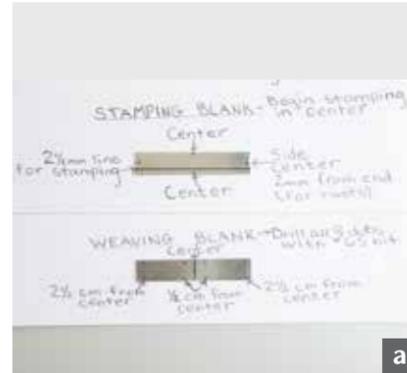
Make an inward and downward loop on the fourth bottom wire with 3mm bail-forming pliers on the left and right side. Bring the ends up through the three loops above it at the end of the weave (photo q). Bring the wire up and behind the weave, and coil it one time at the top of the loop just made (photo r). Add a 4mm bead to the center of the peak with 10cm 28-gauge wire.

#### 6 / Attach the two secured loops

These secured lower loops will connect the bail to the pendant on the left and right side. Cut two 10cm pieces of 22-gauge wire. Use 3mm bail-forming pliers to make a loop, and slide the loop onto the bail either at the bottom point or the lower bail loop. Secure the loop, add a 3mm metal bead, and create a second loop to attach to the pendant. Secure that loop and cut the wires (photo s).

# FREE SPIRIT CUFF

This cuff involves exercises in metal stamping, wiring metal, and riveting metal to leather. All of these techniques can be used on a variety of other projects. Choose a different name to stamp, or simply pattern the top metal piece instead.



**NOTE:** The instructions for weaving will complete one quarter of the finished cuff. The top and bottom and the left and the right are mirror images of each other with the same weave.

## 1 / Stamp the top metal blank

Set one 55x10mm 26-gauge rectangle aside; this is the bottom metal blank. Mark the top and bottom edges at the center of the second rectangle; this mark is the beginning stamp location on the metal. Make a mark on the left and right ends at the center 2mm from the edge; this is the location of the rivet holes. Make a horizontal line across the blank about 3mm up from the bottom edge (**photo a**). Write out the desired phrase on a piece of paper, and mark the center letter (**photo b**). First stamp left to right, starting at that center mark, including spaces as a letter space, and then stamp right to left. Stamp each letter 2mm from the edge of the previous letter (**photo c**). (See “Stamping Words on Metal,” p. 17.)

## 2 / Make the bottom weaving blank

Mark the top and bottom middle of the remaining rectangle blank. Mark 5mm from the middle mark on the left and right and top and bottom. Mark 2.5cm out from the center mark on the left and right and top and bottom. Drill holes at all eight marks with a #65 drill bit (see “Drilling Metal with a Drill Press,” p. 16).

## 3 / Prepare the disks for riveting

These disks stabilize the rivets on the inside of the cuff. Create all the components now so you can rivet after weaving the metal. First, trace around a 9mm disk cutter punch or circle template to draw two circles on a 2.5x2.5cm piece of 26-gauge sheet metal. Stamp a design into the center of the circle, such as a flower (this is optional). Mark the middle of the circle, and use a centering punch to create a divot at the center of the circle. Drill a hole with a #54 drill bit at the center of each circle (**photo d**). Next, line up the circles drawn on the metals in the 9mm hole in the disk

## SUPPLIES

- o 2 55x10mm pieces of 26-gauge dead-soft sheet metal
- o 2.5x2.5cm 26-gauge dead-soft sheet metal
- o 2.5cm-wide leather wrist band with snap closures
- o 3cm 16-gauge dead-soft wire
- o 120cm 20-gauge dead-soft wire
- o 30cm 26-gauge dead-soft wire
- o 420cm 28-gauge dead-soft wire
- o 4 2mm stone beads
- o 2 small rectangular pieces of 26-gauge scrap sheet metal (like copper)

## TOOLS

- o Wire Toolkit
- o Metal shears
- o Flower stamp
- o Letter stamp set
- o Bench block
- o Brass hammer
- o Temporary blue painters tape
- o Permanent marker
- o Drill or flexshaft and drill bits #65 and #54
- o Drill lubricant, such as BurLife
- o Protective eye glasses
- o Metal center punch
- o Metal file
- o Disk cutter with a 9mm disk cutter
- o 5mm mandrel
- o Ball-peen or riveting hammer
- o Awl or pointed object for piercing leather
- o Liver of sulfur (optional)

cutter, and use the 9mm punch to punch out each disk (**photo e**) (see “Disk Cutting,” p. 16). Set these two disks aside (**photo f**).

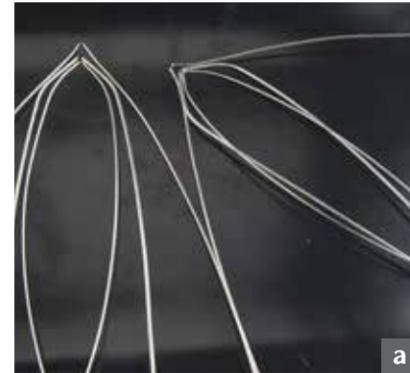
## 4 / Make a measuring tool

This tool will be used to gauge how long to cut the riveting wire for the rivets. Cut two 2x3cm 26-gauge copper rectangles, align the edges flush, and tape the rectangles together. Set this tool aside for now.



# FORGET-ME-NOT CUFF

This elaborately wired cuff is a great way to practice working with many wires at one time. At one point in the project, you will be working with 20 different wire ends. The photos and instructions will show you how to organize the process and break down the cuff into different components. Refer to the Forget-Me-Not Pendant, p. 102, to make the center focal component of the cuff.



**NOTE:** Make mirrored left and right, and upper and lower sections.

## 1 / Make two soldered rings

Cut 14cm of 16-gauge wire, and coil it 2½ times onto a 16mm dowel. Flush-cut the coil to make two rings. Use a butane torch to solder both of the rings at the seam with easy solder and flux (see “Soldered Ring,” p. 15).

## 2 / Make the frames

Cut two 30cm pieces of 16-gauge wire, and mark and soft-fold at the middle (see “Soft Fold,” p. 12). Cut two 40cm pieces of 18-gauge wire, mark the middle, and bend at a 90-degree angle at the mark. Cut two 30cm pieces of 20-gauge wire, mark the middle, and bend at a 90-degree angle at the mark. Shape the 16-gauge center wire around a 2.5cm dowel; wrap only halfway around the dowel for each dead-soft round wire. Stack the wires together with the 18-gauge wire on top, the 16-gauge wire in the middle, and the 20-gauge wire on the inside; form the 18-gauge and

20-gauge wires alongside the 16-gauge form (photo a). Mark 2cm on the left and right of the peak on both 16-gauge wires. Using your fingers, bend upward at those 2mm marks to make a sort of “U” wave (photo b). Re-stack the wires with the 18-gauge wire on top, the 16-gauge wire in the middle, and the 20-gauge wire on the inside, and again, form these wires alongside the 16-gauge wire. Place the Forget-Me-Not component in the center of the frame wires, with the Forget-Me-Not wires at the 2 o’clock and 8 o’clock positions (photo c). Make sure the wires allow room for

## SUPPLIES

- o Forget-Me-Not component, p. 102
- o 82cm 16-gauge dead-soft round wire
- o 90cm 18-gauge dead-soft round wire
- o 60cm 20-gauge dead-soft round wire
- o 840cm 28-gauge dead-soft round wire
- o 2 3mm round metal beads
- o 2 3mm faceted round stone beads
- o 2 4mm faceted round stone beads
- o 4.5x2.5cm dead-soft sterling silver sheet metal

## TOOLS

- o Wire Toolkit
- o Soldering Toolkit
- o Micro-needle chainnose pliers
- o Dapping block and daps
- o Disk cutter, or shears and 19mm circle template
- o 9mm, 16mm, and 25mm dowels or mandrels
- o Metal patterning tools (optional)
- o Brass hammer
- o 1.25mm metal hole punch or drill press and drill bit #60
- o 2mm and 3mm bail-forming pliers

the component. Make sure the upper and lower frame wires “U” waves will allow room for a 4mm bead; adjust so the 4mm bead will fit between them. On the 16-gauge wire, create a half-circle shape with a 16mm dowel next to the “U” wave (photo d). Place the soldered jump rings into the space made with the dowel, and make sure the top and bottom 16-gauge frame wires fit nicely around the jump ring (photo e). Form the 18-gauge frame wire on outside of the 16-gauge frame wire. Form the 20-gauge frame wire on the inside of the 16-gauge frame wire. The weaving will pull these wires closer together, so don’t worry if they are a little off. The main thing is to shape the 16-gauge wire well.

## 3 / Begin weaving the frame

Cut 300cm of 28-gauge weaving wire for the upper weaving wire, and cut 400cm of 28-gauge wire for the lower weaving wire. String a 3mm stone bead to the center of the upper weaving wire, and