

The Anvil's Horn

A Publication of: The Arizona Artist Blacksmith Association

Issue No. 141

November, 2009



Forged Tapestry for the Doves Foundation Fundraiser
See page 6 for more about this project

President's Message:

This is my last Message to the AABA members, and I feel good about the future of our organization. We've come through the recession pretty well as a group, although I know many of us have seen some rough times. Our membership dropped sharply, but we've worked hard to attract new members and re-attract old ones. Our membership is now around 260. Our meetings have been very successful this year, most recently our annual gathering of the clan at Bill and Karen Morris' shop in Camp Verde. Mark Finn was way "outside the box" in his fine demo, Karen's cooking was excellent, as usual, Marc Larsen's shop tour blew me away, (and I was lucky enough to win his knife in Iron In The Hat), the BBQ was fun, and you know, I think Bill's singing is getting better! Or maybe it was Peter and Wally's accompaniment.

I attribute our successful meetings to two factors. First, we've been able to hold them in wonderful places, with even more wonderful hosts and hostesses. Second is that we've brought in experienced and expert demonstrators, and they've done well, showing us new designs, techniques and ideas to try. They've kept our juices flowing! We've taken some financial risks to have them in here, and it has paid off. There are many people to thank for their hard work in planning and running the demos; the main architect, though is Roger Grizz LaBrash, who is the candidate for President next year. We'll be in good hands with this "human dynamo" at the helm. I especially like that many of the meetings he's planned are weekend events. When we BBQ together, sit around a campfire together and camp together, we're bound to have a tighter knit group.

The other factor that makes AABA a successful organization is the depth of our expertise and willingness to use it for the group. When one member is unable to continue volunteering, another steps up to the anvil. Recently John Doss had to resign as webmaster, (and we're grateful for all your work, John), and the call went out. Paul Dief, our candidate for second VP answered, and we have a great website again. Our other officer candidates are pretty fantastic also; Mary Ann LaRoche, running for First VP (and President in training) steps in where she's needed and gets things done. A born diplomat, she builds consensus on any difficult issue. Terry Porter, running for Secretary, is getting us ORGANIZED, and is doing a great job of it. Len Ledet, candidate for Treasurer, watches our money like a hawk, yet knows when to spend and invest it on worthwhile endeavors.

There are too many other hard workers in AABA to mention them all, but I'd like to recognize Dan Jennings for his longstanding work on this newsletter, without which we couldn't send out information to our members, and Ivan "The Terrible", who sells lots of our stuff. I just bought 3 hats from him, and I'm very satisfied.

We have two great events coming up, and I hope you'll support them both. The demo at Grizz's shop in November, with a challenge project and an excellent demonstrator, and the Auction in December. Please donate some of your best work; it is for a good cause- our member's education. The Auction is also an excellent way to buy the work of smiths you know and respect, at very reasonable prices. My collection is growing, as is my appreciation of AABA and the people who make it work. And remember, scholarships are available to attend blacksmithing workshops and courses, as a result of this fundraiser.

Thanks for your support, attendance and volunteerism over the last two years.

Ira

AABA OFFICERS and BOARD OF DIRECTORS

PRESIDENT: Ira Wiesenfeld 1801 Overton Rd. Tucson 85737 520-742-5274 treeira@hotmail.com

VICE PRESIDENT: Roger LaBrash 1329 W. Lincoln Phoenix 85007 602-716-9660 grizz@grizzlyiron.com

SECOND VP: Mary Ann LaRoche 1775 E. Ocotillo Road Phoenix 85016 602-279-6702 maryann.laroche@cox.net

SECRETARY: Terry Porter 2310 E Melrose Street, Gilbert 85297 480-988-2070 trp555@prodigy.net

TREASURER: Len Ledet 24200 N. Alma School Rd. #32 Scottsdale 85255 480-502-9498 lledet@earthlink.net

WEB MASTER: John Doss 13201 N. 17th Place Phoenix 85022 602-494-6448 jdoss@rock-n-rod.com

LIBRARIAN: Pat Clark 4149 E. Hampton Circle, Mesa AZ 85206 480-924-5582 pclark26@cox.net

EDITOR: Dan Jennings 2522 W Loughlin Dr. Chandler 85224 phone: 480-510-3569 danshammer@cox.net

DIRECTORS: Pat Clark, Paul Diefenderfer, John Doss, Ivan Hill, Harold Hilborn, Ron Kinyon, Doug Kluender, Jason LaBrash, Betsy Miller, Rick Miller, Bill Morris, Richard Rozinski, Ron Unger.

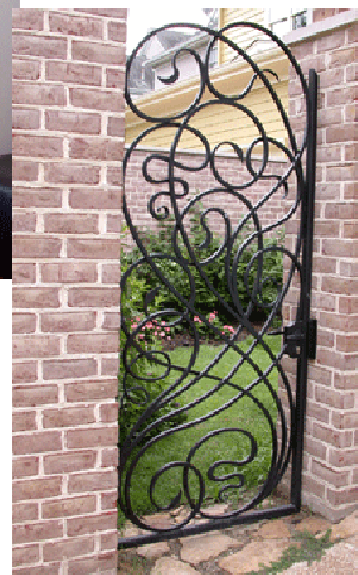
AABA DEMO: November 14, 2009 at Grizzly Welding

Registration starts at 8:00 am Demo begins 9:00

Demonstrator: **Jill Turman**, Bella Ironworks, Alameda, CA

“For over a decade I have worked to develop my skills as a designer and craftsman. My work is ever changing. In my studio I use traditional blacksmithing techniques, industrial equipment and creativity to turn steel into art. ...Although Jill is comfortable expressing the spectrum from traditional to contemporary, we can expect something in the Art Nouveau style at her demonstration.” from The California Blacksmith

- Lunch is on your own
- Tailgating is encouraged
- Iron in the Hat
- Show and Tell
- November Demo Challenge



November Demo Challenge:

A sculpture piece

Participants are to choose from all, or any of the following, but not to exceed:

- * 20 feet of ½ inch round stock
- * 20 feet of ¼ inch round stock
- * 10 feet of ¾ inch square stock
- * 10 feet of 1/2 by 2" flat stock
- * 1 - 2' x 2' piece of any gauge sheet metal
- * 1 - 1' x 1' piece of any of the following:
copper, brass, stainless, or aluminum
- * 1 additional item of any material, it can be already made.... ie: a pen....or it can be another medium like glass, wood, plastic, etc

Use your imaginations, get creative, and bring your creation on November 14.

Directions to Grizzly Welding:

Take I-10 to 7th Ave, by the tunnel

Exit on 7th Ave.

Go South on 7th Ave to Grant

Turn right on Grant

Turn right on 13th Ave

Turn left on Lincoln

It's on the left.

The address is: 1329 W. Lincoln St., Phoenix

As always, safety glasses are required.

September Demo Report: Camp Verde

Tree-like blacksmith demonstration

by Jon Hutchinson

About 40 members of The Arizona Artists Blacksmith Association gathered in Camp Verde Saturday for one of the regular demonstrations the group holds around the state for members.

Mark Finn, an accomplished blacksmith from Sedona showed his technique to create authentic looking “steel trees” replete with bark, texture, knots and tree rings. Finn demonstrated the technique in the morning and members could try it themselves during the afternoon.

The gathering of the AABA was held at the workshop of AABA Director Bill Morris on Ft. McDowell Place in Camp Verde.

The next demonstration will be held in Phoenix. For more information see <http://www.az-blacksmiths.org>.





Above: Marc Larsen Knives



Mark doesn't need to grow plants and trees, he makes his own



Dove's Group Project

Cover Photo by Jason LaBrash

As this issue is going to print, Iron in the Desert, the event we've been calling the Dove's Project, is still a couple weeks in the future. We have no idea how the event will turn out, but we do have a good feeling about the AABA's contribution to their fund raiser.

A group of Good Ole Boys, a couple younger ladies, an up and coming high school age kid, and a really old, cantankerous curmudgeon that nobody knew (Jason was there, too) met at Doug Kluender' in August to decide what the project was going to be. Ok, They were enticed to attend by the copious amount of bar-b-que and to play with Doug's sheet metal shaping equipment.

After the eats and beats we got around to trying to build a consensus about the project. We wanted to build something that we could work on together and that others, who couldn't make the workshops, could contribute to. Of course, we wanted the piece to represent AABA's ideal of "Traditional Blacksmithing."

We decided to have anyone who wanted, make tiles that were approximately 4" square and that we would make a display structure with 6" square openings. Jason drew it up in CAD. Two weeks later we were at the Traditions In Iron studio/Rat Rod Shop (Dan Jennings) on a Saturday morning forging all the pieces from material supplied by Grizz and Jason.

A couple weeks later, folks were back in the studio assembling the frame, which is much easier said than done. We had a struggle getting all the joints tight. The length of the bars seemed to be different every time we measured and every time we assembled. Too many cooks? Eventually, it did come together nicely.

Mo forged some little hanger brackets and supplied drive screws to mount the tiles at the next and final meeting, which was held at Grizzly Iron.

Group participants included (apologies to anyone omitted): Mo Hamburger, Peter Sevin, Sarah Harms, Jason and Rodger LaBrash, Peter and Roger Jonasson, Ron Kinyon, Doug Kluender, Len Ledet, Richard Rozinski, Mary Ann LaRoche, Cathy Smith, and Dan Jennings.



Mo
Hamburger

Grizz
LaBrash

Chris
Contos

Clark
Martinek

Peter
Jonasson

Richard
Rozinski

Doug
Kluender

Ron
Kinyon

Mary Ann
LaRoche

Sarah
Harms

Len
Ledet

Harold
Hilborn

New Webmaster = New Philosophy

If you have looked at WWW.AZ-Blacksmiths.org recently you won't have missed the new look. Maybe, like some of us you have been wondering why. Well, here is Paul Dief's presentation to the AABA board (which, by the way, was accepted with open arms).

Here are my thoughts on the AABA website for your consideration. This is based on that AABA has as its purpose the education and artistic development of its members in the ancient and honorable skills of metal-working (from a recent brochure that someone sent me for the web site).

I think our primary "product" is our demos and gatherings. There are tons and books and web sites about blacksmithing but I think people join AABA because of the live "hands-on" connection with others that have an interest in smithing.

Given the above premise I think the AABA web site should be considered as promotional material and thus there should be no charge for content – including current and past newsletters. I want people who browse the AABA site to say "Cool – how do I join!" I would like to let folks add their names to our email list (via the web site) even if they aren't members. The more they hear from us the more we can tempt them to join.

Sources page: I would like to list all local suppliers of blacksmith tools, equipment and suppliers along with appropriate regional and national suppliers – ie a list of all power hammer and anvil dealers. This would be done at no charge but I think it would be appropriate to hit these suppliers up for donations for our annual auction and other events where we need prizes.

I would also like to combine the Demos and Classes page to just one Calendar page that will list all local and appropriate regional and national events. AABA events would be highlighted. There may sometimes be multiple events on a given date but I have always believed that competition makes one stronger. We can kindly suggest folks try not to schedule competing events with our events but if it does happen that means we just have to provide a superior event at a better price (which I don't see as a problem).

Speaking of price: I think we should raise the demo price for non-members from \$15 to \$20. \$20 is still a great bargain for what we offer and provide a greater incentive to join.

Vern Lewis Welding Supply Offers Discount Pricing to AABA members.

"Vern Lewis Welding supply, inc. is happy to extend discount pricing to all members of the Arizona Artist Blacksmith Association. Discount applies to all industrial gases ,welding supplies, safety equipment, and more. Vern Lewis Welding Supply, Inc has 5 locations. Phoenix, Avondale, Mesa, Wickenburg, and Prescott Valley. Delivery is available at the low price of \$8.00 per order. For more information on Vern Lewis Welding Supply, Inc, visit us online at www.vernlewis.com or contact Chris Perella @ 602-319-7693"

Examples of current discount pricing:

- Oxygen - \$12.30 (LG Cylinder)
- 75/25- \$39.38 (LG cylinder)
- 70S-6 .035 welding wire - \$1.61 lb

Doug Kluender arranged this for AABA. The prices on oxygen and 75/25 are less than I was paying 10 years ago. Check them out for your future purchases.

Dan



Resurrection By Harold Hilborn

Annual Auction and Luncheon
Saturday, December 5
Blacksmith Pavilion at Sahuaro Ranch
Registration begins @ 11AM
Lunch @ NOON
Auction to Follow with Door Prizes

Once again it is time for the Reed Carlock Scholarship Fundraiser and Luncheon. This will be our 9th annual auction with this year's theme being

"Do My Eyes Deceive Me?".

What we're looking for is that tricky deceptiveness you do so well to make your piece of metal appear to be a tree branch, leather belt or a miniature hammer. Use those special techniques you have developed and make the best auction piece that you can.

This scholarship provides funds for our members to attend classes that they otherwise might not afford, bringing back that knowledge for the benefit of the rest of our membership. Your generous donations make this possible. Also very special prizes will be awarded to the People's Choice winners in each skill division, Beginner, Immediate and Advanced.

We are lucky once again to have the Burnt Biscuit Bunch catering with their mouth watering food. Entrée choices are: 12oz Ribeye Steak (\$16.50), 8oz Swordfish (\$16.50), or Smoked Grilled Chicken (\$14.00). Biscuits, Fruit Salad, Garden Salad, and Cowboy Beans are all included with your meal. If you would like more information about the meal, go to www.burntbiscuitcookout.com.

To help us know how many people to plan for, please pre-register by filling out the orange card (the one that is not the ballot) and sending it with your check to Jason LaBrash at the address on the card. Pre-registration keeps us from having to pay for lots of extra food or even worse, from not having enough. We'll need your card and check by December 1.

Every year this event has gotten better and we expect that this year will not disappoint. So finish that piece you're working on, dust off your good duds, grab the mad money and meet up with your blacksmithing buds for the best blacksmithing event of the year.

For more info, email Jason@grizzlyiron.com or call Jason at 602-716-9660.

See you there!

Joinery Class With Caleb Kullman

January 18,19,20

In combination with our January 16 & 17 demo, Caleb Kullman will hold a three day joinery class.

The Demo: Caleb , President of the Rocky Mountain Smiths (Colorado) sent the following:
"I would like to explore how we as blacksmiths develop designs and bring our projects from concept through to completion of production. I will show how I arrive at design concepts and ideas and take them from the drawing board to the anvil. The demonstration will focus on creating current, contemporary designs that draw inspiration from the natural world, the built environment and the works of previous masters. I will show how these designs can be built while remaining true to our craft by highlighting traditional blacksmithing methods. Most of the demo will involve forging technique with small forays into discussions of design theory."

The Class: January 18, 19, & 20 Caleb will teach a class at Sahuaro Ranch for 8-10 members.

"For the three day class I would like to focus on innovating with joinery. Using the topics covered in the demo as a foundation, I would like to spend the class time developing new approaches to old methods of joinery. We will cover 5 different joinery techniques over the three day class. I plan to spend a full day on mortise and tenon joints and a half day on each of the following topics: wedge joinery, collars, forge welding, and rivets. We will build small items such as fireplace tools, door and cabinet pulls, and architectural elements using these different techniques. I will give the students general design parameters and let them fill in details to incorporate some design practice into the class."

Class fee: \$300 per student

Reservations will be made on a "first paid" basis. In order to secure a spot in the class, the fee must be paid. When 10 spots are filled the no additional checks will be accepted.

Skills required: This is not a novice class. Students should be confident in their ability to perform basic forging techniques and should be able to hammer for several hours each day.

Contact: Rodger "Grizz" LaBrash 602-716-9660
grizz@grizzlyiron.com. Send Check to: 1329 W. Lincoln Dr. Phoenix 85007



Anyone who has attended a Rocky Mountain Smiths conference in Carbondale, CO in the last 10 years know Caleb's work. He always brings items for the auction and the gallery. His work is unique, cleanly designed, and flawlessly executed, but what we remember most is the joinery.

Caleb's joinery class is one of the best educational opportunities AABA has ever provided. The opportunity to study with a world class artist is rare, but to do so without having to pay travel and lodging expenses and for a very minimal fee is probably a one time only opportunity. Don't miss it.

Dan Jennings

CALENDAR 2009-2010

November 14	Demo	Grizzly Iron	Phoenix
December 5	Auction and Banquet	Sahuaro Ranch	Glendale
January 16 & 17	Demo Caleb Kullman	Sahuaro Ranch	Glendale
January 18,19,20	Workshop w/Caleb Kullman	Sahuaro Ranch	Glendale
February 27,28	Peter Sevin		Los Cruces, NM
March 20 & 21	Demo	Triangle R Ranch	Oracle
April 23,24,25	Demo Lorelei Simms	Fred Borchardt's Ranch	Willcox,

November 14: Demo Challenge

Don't forget to bring your Sculptural creation to the November 14 demo at Grizzly's. There will be quest judges and prizes and recognition. See page 3 for all the details..

Anvil's Horn On the Website:

Past and current editions of the Anvil's Horn are posted on the website. You'll still get one in the mail, but if you'd like to see the photos in color or refer it to a friend, go to AZ-blacksmiths.org.

The AH Needs your Photos, Articles and Shop Tips

Wow was this issue difficult. You don't write, you don't send email. Where's the photos, tips, drawings, and how-to's? Come folks, share the knowledge, send me somethin'. Your newsletter is only as good as your input.
Danshammer@cox.net

Caleb Kullman Workshop

Caleb will be teaching a workshop at Sahuaro Ranch January 18-20. Caleb is the president of the Rocky Mountain Smith Blacksmithing Association in Colorado. His work is incredible. See page 9 for more info. Save the dates, you'll want to attend!

Deadline: December 8 for the January issue of the Anvil's Horn. Earlier would be greatly appreciated. Articles, photos, notices, and ads can be emailed to: Danshammer@cox.net or mailed to AABA 2522 W. Loughlin Dr. Chandler, AZ 85224

AABA Elections:

Please Vote!. Tear out the orange ballot and send it in.

Officers – Election for a one year term to expire in 2010 are on the ballot:

Rodger (Grizz) LaBrash	President
Mary Ann LaRoche	1st Vice President
Paul Diefenderfer	2nd Vice President
Len Ledet	Treasurer
Terry Porter	Secretary

Members seeking election to the board for a Term to Expire in 2011:

Bill Ganoe
Peter Sevin

Current Board members - Terms to Expire in 2009 and are on the ballot seeking re-election for a term that will expire in 2011:

Bill Morris
Doug Kluender
Ivan Hill
Richard Rosinski
Rick Miller
Ron Kinyon

Board - Past President - Term to Expire in 2011:
Ira Wiesenfeld

Board - Terms to Expire in 2010:

Harold Hilborn
Jason LaBrash
Pat Clark

Welcome New Members

Chuck & Catherine Hurla
Tony Allen

AABA Website: AZ-blacksmiths.org

Mesa Arts Center Needs Your Help

It comes as no surprise that the City of Mesa is pretty much broke. They are committed to keeping the MAC going, but don't have the money to provide new tools or even maintain the ones they do have.

The Blacksmithing/Bladesmithing/Damascus could really use our support and tool donations. Tools they can use:

- Hot cut set tools and handled punches in 5/16 or 3/8.
- Post Vices in any size or condition, Michael can refurbish them and make stands for them. They only have one.
- Tongs in 1/4", 3/8" and 1/2", and 3/4" sizes. V-bit bolt tongs are preferred for versatility but any style tongs will help.
- Anvils, again any size or condition, Michael can make the stands and get them mounted. The harbor freight anvils are getting pretty worn, they were not intended for the use/abuse they have received in the hands of the students.
- Blacksmith hammers in any size from 800 gram on up. German, Swedish, French, or Czech pattern.

Donations are tax-deductible.

If you have anything you can donate or if you would like to make a contribution to the program contact: Michael Sobrado dragonforge1@cox.net or call 480-529-0206

AABA Dues Explained

There have been several comments and questions about membership due dates. Hopefully the following will clear up the confusion.

The by-laws for dues (Article III, Section 1) is as follows:

Payment of dues. The Board of Directors may establish the dues for each classification of membership in the association. A payment made in calendar year shall be treated as a payment with respect to that calendar year only unless it is a payment made by a person then a member for the purpose of renewing his membership. In which case it shall be treated as a payment with respect to the next calendar year. Provided, however that all payment made on or after September 1 of any calendar year by a person who is a new (that is, a person who has not, within three years of making the payment been a member) shall be treated as a payment with respect to both the calendar year in which it is made and the next calendar year.

This boils down to a calendar year fee, unless you are a new member joining after September 1. This system means we need to bill only once per year instead of every month, which saves time and money, which keeps dues affordable and the all volunteer staff happy.

One improvement this year will be that we will send out an invoice in early December.

Terry Porter, Secretary

Ed. Note: When AABA began bulk mailing, the Post Office informed us that nothing could be on the mailing label other than the name and address. Every bulk mail I receive has all kinds of coded info included on the label, so it doesn't seem make sense. However, any PO clerk can refuse to accept the bulk mail for any reason, we're not risking it. Dan

AABA New Member and Membership Renewal Form

Name	_____
Address	_____
City	_____ State _____ Zip _____
Phone	_____ Email _____
Professional blacksmith	_____ Hobbyist _____ Farrier _____ Blades smith _____
Your main blacksmithing interest	_____
Occupation or skill	_____
Please check one:	
Regular membership (\$30)	_____
Family membership (\$35)	_____
Mail to:	Terry Porter 2310 E. Melrose St. Gilbert, AZ 85297

Make Check Payable to AABA

A YELLINESEQUÉ QUATREFOIL

By FRANCIS WHITAKER

7. Reinertsen © 1991

AS SHOWN BY FRANCIS ON SEP. 28, 1991
AT THE NEW ENGLAND BLACKSMITHS'
FALL MEET IN THE SOUTH COUNTY MUSEUM,
NARRAGANSETT, R.I.

NOTES AND DRAWINGS BY TOM REINERTSEN

SAMUEL YELLIN USED THIS METHOD
OF FORGE WELDING A QUATREFOIL
FROM ONE STRIP OF METAL - IT
IS FASTER THAN FORGE WELDING 4
SEPERATE PIECES INTO ONE.

① BEGIN BY DETERMINING THE
LENGTH REQUIRED BY MEASURING YOUR
DESIGN FROM ONE LOOP - TIP TO TIP
FOR OUR EXAMPLE = 10"
MULTIPLY BY 4 (4 LOOPS)
= 40 inches.

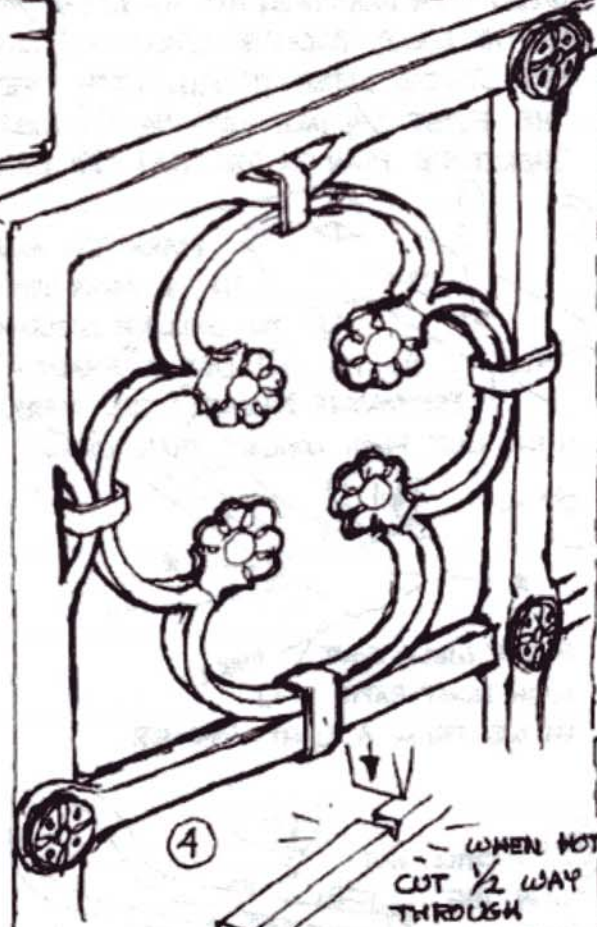
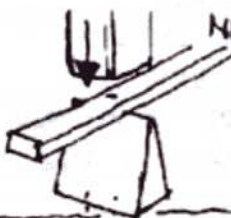


② CUT A STRIP OF METAL 40" LONG. ($\frac{1}{4} \times \frac{1}{2}$ STOCK)
40"
5 10 10 10 5

* MARK OFF $\frac{1}{2}$ LOOP - or 5" THEN 3 LOOPS OF 10"
(AND FINISH UP WITH $\frac{1}{2}$ LOOP OF 5")
ALWAYS MEASURE FROM ONE END OR PLACE - THUS

ALL MEASUREMENTS ARE TAKEN FROM THE SAME POINT
SO THEY WILL ALL BE ACCURATE.

③ NICK THE STRAP AT THE MARKS
WITH A HARDIE OR CHISEL
THEN HEAT AT THE FIRST
MARK.



④ WHEN HOT
CUT $\frac{1}{2}$ WAY
THROUGH
THEN FOLD OVER

FLIP PIECE OVER
DOUBLE END OVER-
HAMMER SHUT WITH A
CHISEL SPACER
BETWEEN.

THIS
ALLOWS
ACCESS FOR
HEAT AND
FLUX FOR WELDING
- REMOVE CHISEL

⑤ PLACE IN A CLEAN FIRE -
ON EDGE SO FLUX CAN BE
ADDED
WHEN IT
GETS HOT ENOUGH.



Note. IF AS IN THIS CASE - YOU WANT TO WELD $1\frac{1}{4}$ INCH - THEN ADD AN EXTRA $\frac{1}{4}$ " TO THE WELD, BECAUSE WHEN THE ENDS ARE SPREAD LATER IT WILL TEAR OPEN THE FIRST $\frac{1}{4}$ INCH LEAVING $1\frac{1}{4}$ WELDED. THEREFORE PLAN ON WELDING $1\frac{1}{2}$ INCH.

⑥ MARK THE ANVIL IN THE AREA WHERE YOU WILL BE WELDING.
* IF YOU USE A "SHARPIE" (PERMANENT MARKER) THE MARK WILL LAST MUCH LONGER THAN CHALK.

⑦ FORGE WELD SHUT WITH LIGHT RAPID BLOWS FROM A LIGHT HAMMER.

⑧ IF STILL HOT TURN THE STRIP ON EDGE AND NECK IT DOWN EVENLY
IF YOU HAVE A NECKING DOWN JIG SET IT FOR $1\frac{1}{4}$ WITH A $\frac{3}{16}$ SPACE AND ALL THE WELDED ENDS WILL MATCH
* IF EVERYTHING IS SET - YOU CAN DO THE NECKING DOWN WITH THE SAME HEAT FROM THE FORGE WELD - FLIP THE PIECE 180° OVER TO MAKE SURE NECKING IS CENTERED

⑨ SPREAD OUT BUTTON ON ANVIL - WORK AT ALMOST WELDING HEAT - USE PEEN OF HAMMER TO SPREAD.

⑩ CORRECT TO A ROUND BUTTON SHAPE ON ANVIL EDGE OR USE A TOP SWAGE.

⑪ HAMMER SMOOTH OR USE A FLATTER WHICH SPREADS IT EVENLY - SPREAD TO SIZE OF A SILVER DOLLAR OR $1\frac{1}{2}$ ". WIRE BRUSH.

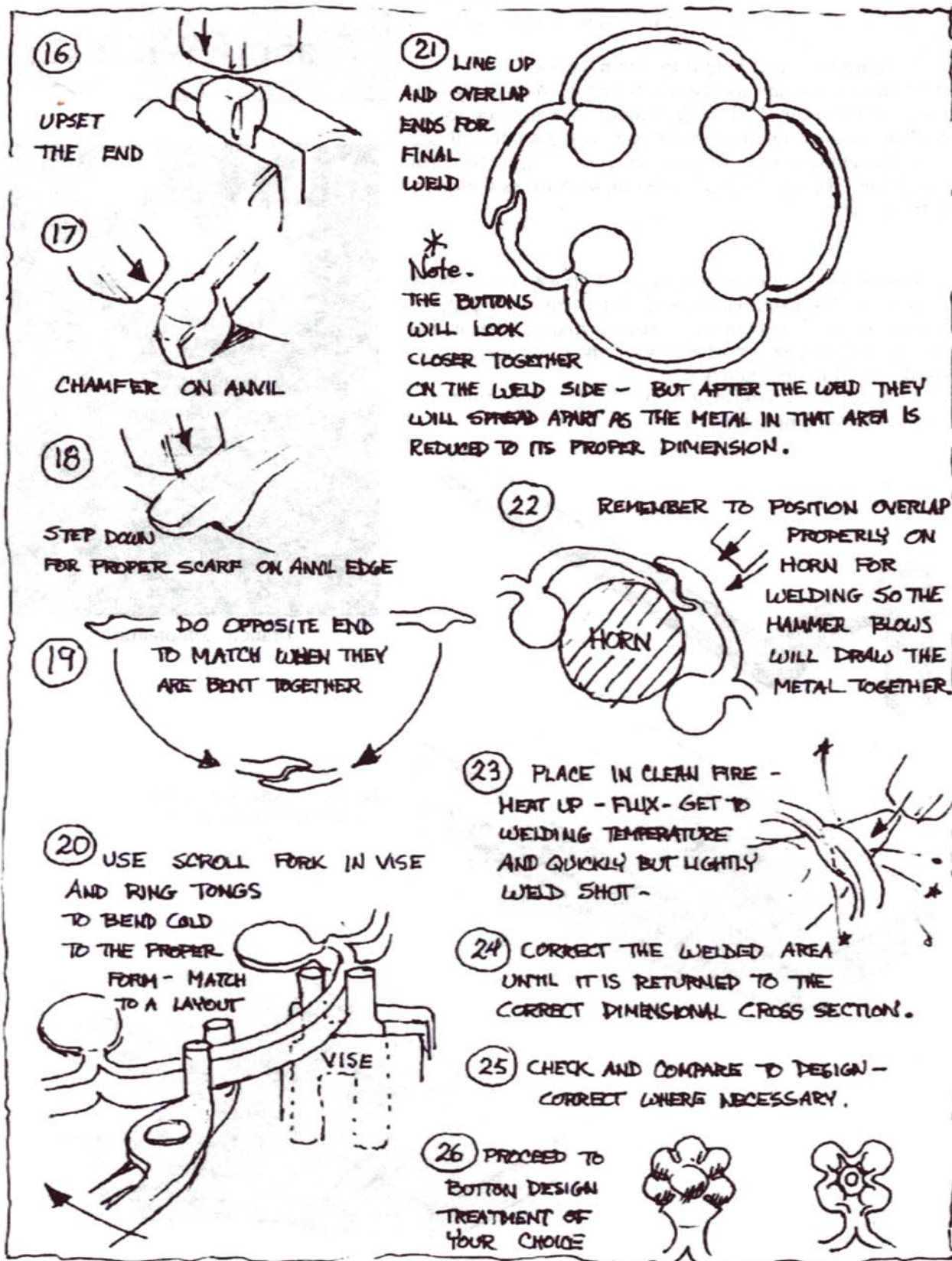
⑫ WHEN SHAPED AND CLEANED - GET HOT SET INTO A VISE AND SPREAD THE LEGS EVENLY.

⑬ PROGRESS ALONG IN STEPS TO THE NEXT IN LINE * DON'T PROCEED TO THE OPPOSITE END OR ELSE YOU WON'T BE ABLE TO WORK IT PROPERLY.

⑭ CHECK DIMENSIONS FOR CONSISTENCY

⑮ AFTER 4th WELD PREPARE TO SCARF BOTH ENDS BY FIRST UPSETTING
* Note. WHEN POSITIONING PIECE IN THE VISE - LET THE PIECE IN THE VISE JAWS COOL DOWN BEFORE CLAMPING SHUT SO AS TO PREVENT DISTORTION.

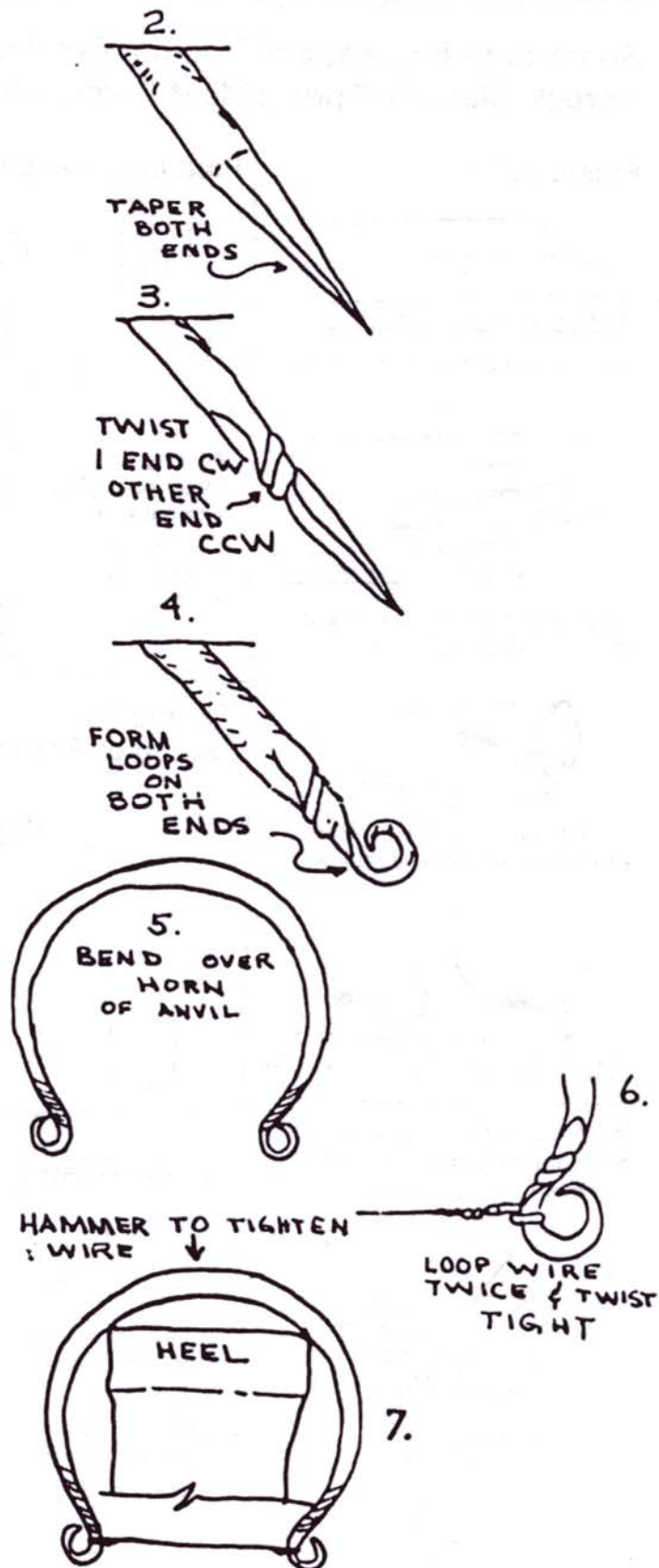
Continued on next page



Making a Cheese Cutter

Here's a nice quickie project that has real customer appeal.

1. Start with a piece of 1/4" or 5/16" stock, either square or round, approximately 9" long.
2. Taper both ends an inch or so, whatever you think you'll need to make a nice loop on the end.
3. Twist the ends. Twist one end clockwise and the other counter-clockwise. You could also make decorative twists in the center of the handle at this time if you care to.
4. Then form loops on each end.
5. Bend into (GOD.....FORBID) a horseshoe shape by using the horn of the anvil.
6. Wrap a wire through one end of the loops twice, stretch to the other loop and wrap twice again. Wire such as .035 MIG wire, solid guitar or banjo strings, or solid piano wire work well.
7. Using the heel of the anvil, hammer the middle of the handle over the heel to tighten the wire.
8. Finish with a little vegetable oil to preserve the look you want.



Here's a Christmas project from the Michigan Artist Blacksmith Association, Nov 2008 issue. These are intended to be full size patterns, but the scans may have altered the size of one or the other. Try it out of paper to insure they are still the correct ratio.

Dan



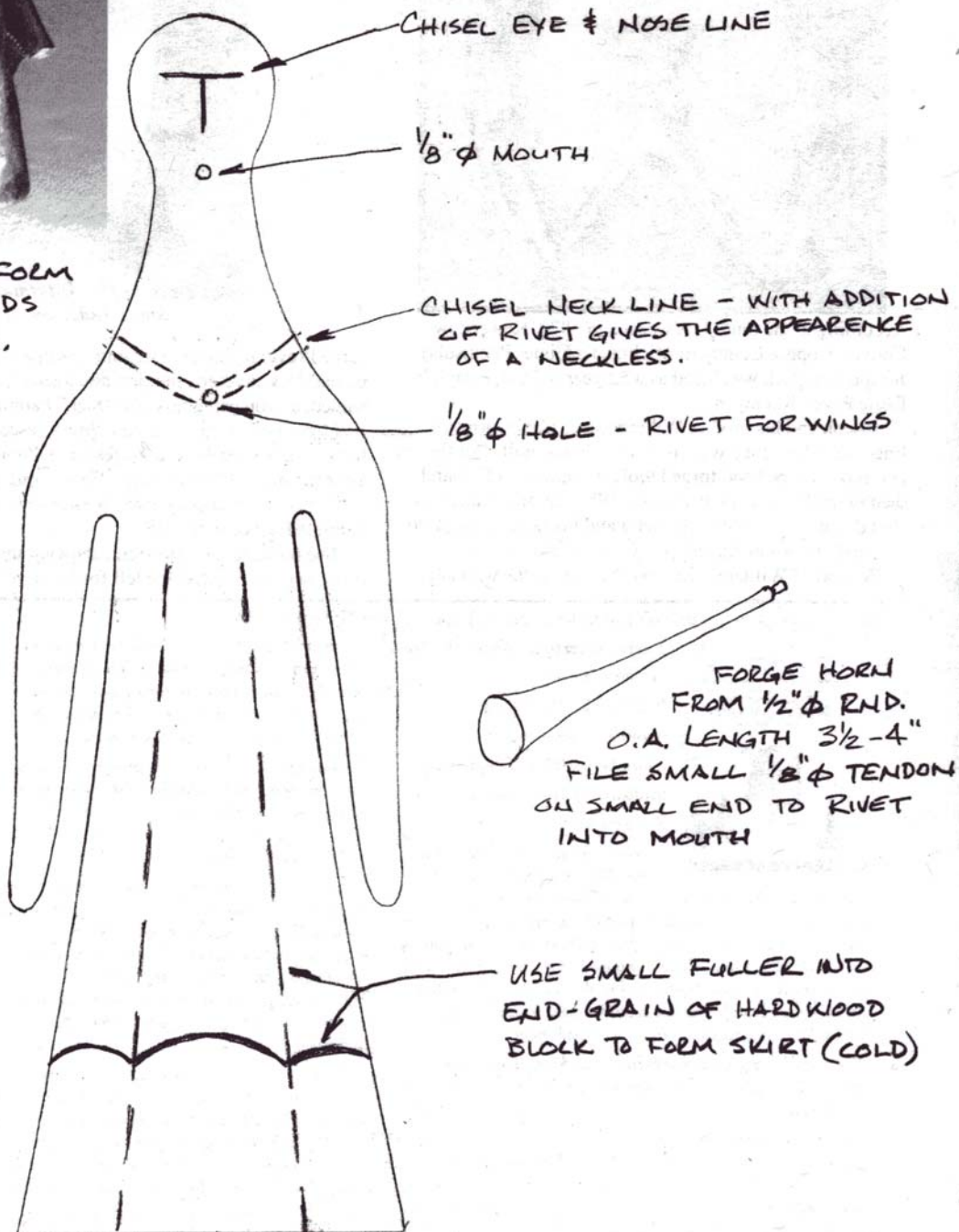
Angel

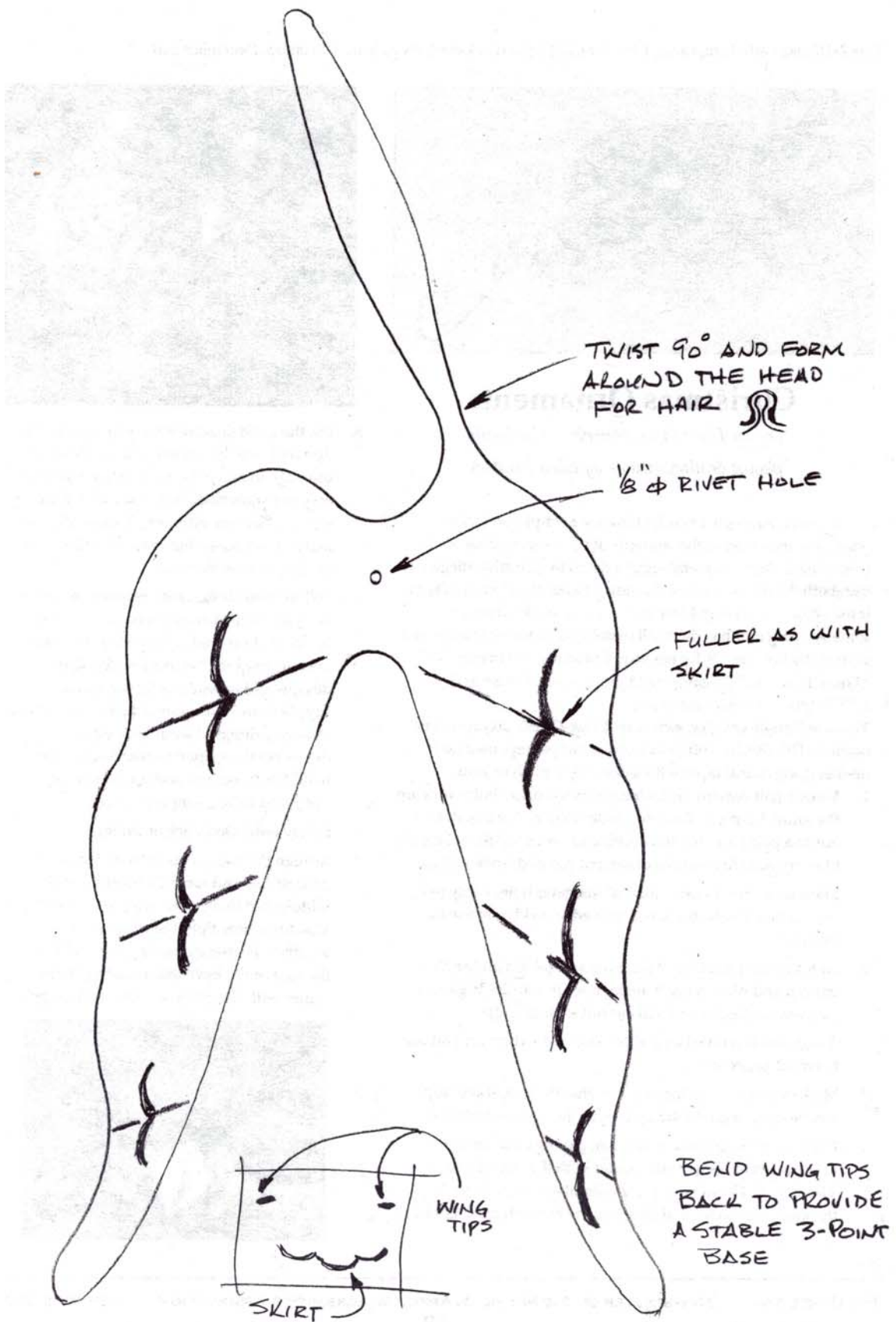
by Larry Carrigan, a MABA member

Use 16 or 14 gauge mild sheet steel.
Cut out with a band saw or chisel.

*MABA member Jim Stuart has this pattern all cutout for \$12.

USE TORCH TO FORM
ARMS AND HANDS
TO HOLD HORN.





Fix Those Loose Hammer Handles

Most of us will have at least a few handles that have become loose during our long, hot, dry Arizona summers. Don't be tempted to give them a dunk in a bucket of water—they'll just get even looser when they dry out.

I have had really good luck standing the hammer vertically with the head up and liberally drizzling Tung Oil or Penetrol onto the end grain of the handle (wipe off the drips before they get to the part you hold). Let it dry overnight. The handles will stay tight for a long time.

Another solution I have tried, but not been happy with, is to seal the end of the handle with Silicone. It works best if the handle is already tight, but does not seem to create a tight fit.

Bedding the handle with Epoxy seems like a great idea and usually works for a while. But since most Epoxy is brittle, the shock from hammering will cause the epoxy to crack and eventually fall out. It looks like Randy Stoltz (in article below) has found the solution to that problem. I haven't tried this yet. If you beat me to it—let me know if it works.

Dan

Devcon H2 Hold Shock Resistant Epoxy – by Randy Stoltz

Devcon makes a flexible, waterproof, shock and vibration resistant epoxy that is very useful in the shop. This epoxy will even set up under water. I came across this epoxy at Burke Brothers Hardware when I was looking for an epoxy to set some anchor bolts in concrete for a machine that vibrated (a lot). Regular lead anchors work loose and most epoxies that set up hard cannot withstand constant vibration.

Additionally I had a hammer with an odd shaped eye that was loose. Rather than make a new handle from scratch, I set the handle in the hammer head using this epoxy. Using epoxy also eliminates the need for wedges in the handle and the epoxy absorbs some of the vibration and shock when hammering.

To put a handle in a hammer head (note attaching a handle to a tool is called hafting) using epoxy:

1. Cut or sand the top of the handle so that it fits very loosely in the socket of the hammer head.
2. If you want to apply epoxy to the top of the handle like in commercial hammers, you need to cut the top of the handle so that it sits about 1/8 inch below the top of the head.
3. Mix the epoxy and apply liberally around the top and sides of the handle eye.
4. Insert the handle into the hammer head and make sure there are no voids or gaps. You can use a putty knife to force epoxy into any voids and to smooth the epoxy on the top of the handle.
5. Make sure the handle is straight and let the epoxy cure for 24 hours. I clamp the handle upright in a vice with soft jaws so the epoxy on top flows into the socket (and does not glue my hammer to the workbench).

From the Hot Iron Sparkle July 2009



Classifieds

Classified ads are free to members and can be submitted by email to: danshammer@cox.net

Miller Cool Mate 4 re-circulating TIG cooler \$250.00
3500 psi pressure washer, 5 HP Honda, \$150
Steel workbenches 30 x 60 \$25.00
Boston gear right angle gear reducers.
Heavy Duty Dodge box speed reducer 15: 1 ratio.
Various size 3 phase motors.
Doug Kluender 602-818-1230

L Brand Coke For Sale
\$22 for 50 lb Bag
S5 Tool Steel for Sale
1", 1 1/4" and 2" Round Available
12-14" Lengths. \$3 per pound
Call 602-716-9660

If anyone is interested in a side draft coal forge, but don't have the time to build your own, I would love to build one for you. Parts and labor cost will vary. Call Clark Martinek for details 602 323 4114.
See Page 13 of March AH for photo

35 ton C frame mechanical press. Frame only. Would make a great hydraulic forging press. \$100.00 OBO
Harold Hilborn 520-603-6723

Wanted: Someone "near" 43rd & Bethany Home area willing to teach an apprentice. I am 17, Sophomore, don't yet drive, ROTC student with my life back on track wanting to learn blacksmithing skills. Will work weekends for knowledge. Contact new member Tim Wentworth at qm33@cox.net or 623-934-5511 Thank You.

Kinyon Simple Air Hammer, 75#. \$1500 OBO.
Call Peter Sevin: 602-320-2384

New style Kinyon air Hammer "Mark 2". 30 Lb head weight, total hammer weighs 565 Lbs. This hammer was made to be portable, short and light weight It will run on a 3 Hp compressor. \$2900
Ron Kinyon @ 602-568-8276

Sources

Rocky Mountain Smiths have videos available of their conference demonstrators. Most of these are high quality edited, multi-camera videos. For more info go to:

Enco Metalworking supplies.
800-873-3626 or shop online at: use-enco.com

Bar U Bar Supply

The source for anvils, post vises, and other new & used blacksmith tools. Barry Denton ph 928-442-3290
email: barubarranch@gmail.com

IMS (formerly Capitol Metals). Full service supplier of Steel, Stainless, Brass, Aluminum, Copper. 5150 S. 48 ST. PHX. 602-454-1500

Pieh Tool Company Inc.

Blacksmith Supplies, Coal, coke, & Kasenit #1 in 1# cans,
661 Howards Road Suite J
Camp Verde, AZ 86322
888-743-4866 ,www.piehtoolco.com

Scottsdale Farrier Supply

Mostly farrier supplies, but has hammers, tongs and other blacksmith goodies. Ph. 480-838- 4455
863 E. Baseline Rd. Tempe 85283

MSC Industrial Supply Co. is a mail-order supplier of all kinds of industrial & metalworking supplies. You can get a 4500+ page catalog by calling 1-800-645-7270.

Norm Larson Books

Sells hard to get blacksmithing and knife making books. 800-743-4766 email: larbooks@impulse.net

Brent Bailey. A blacksmith in California specializing in custom tools and ornamental forgings for artisans.
www.brentbaileyforge.com

Pacific Insulation Company

Supplier of high temp insulating materials. Bricks, Kaowool and other refractories. 215 S. 14 St. Phoenix. 602-276-1361

Blue Moon Press, Ltd.

Metalwork books, some of which are only available through them.
Bluemoonpress.org
Toll free ph. 866-627-6922.

Arizona Artist Blacksmith Association
Attn: Terry Porter
2310 E Melrose Street
Gilbert, AZ 85297

Address Service Requested

NONPROFIT ORGANIZA-
TION
U.S. POSTAGE PAID
PHOENIX, AZ
PERMIT NO. 553I

The Anvil's Horn is the official newsletter of the Arizona Artist Blacksmith Association. Published every other month preceding the bimonthly meetings of the Association, the newsletter is oriented toward anyone interested in blacksmithing and related forms of metal work. Membership is available at the rate of \$30 for individuals; \$35 for families and includes a subscription to the *The Anvil's Horn* for one year. Every attempt has been made to ensure the accuracy of information appearing here, but no liability is assumed by the Association, its officers or editor for errors, damages, or injuries resulting from any design, use, construction or application of said information. Uncopyrighted material may be used freely by other similar organizations provided proper credit is given. Any copyrighted articles appearing herein should not be reproduced without permission of the author. Matters relating to newsletter submissions, corrections, etc. should be addressed to the editor:

Dan Jennings 2522 W. Loughlin Dr. Chandler, AZ 85224 Tel: 480-510-3569 Fax: 480-839-6339 Danshammer@cox.net



Masks
by Rodger Grizz LaBrash