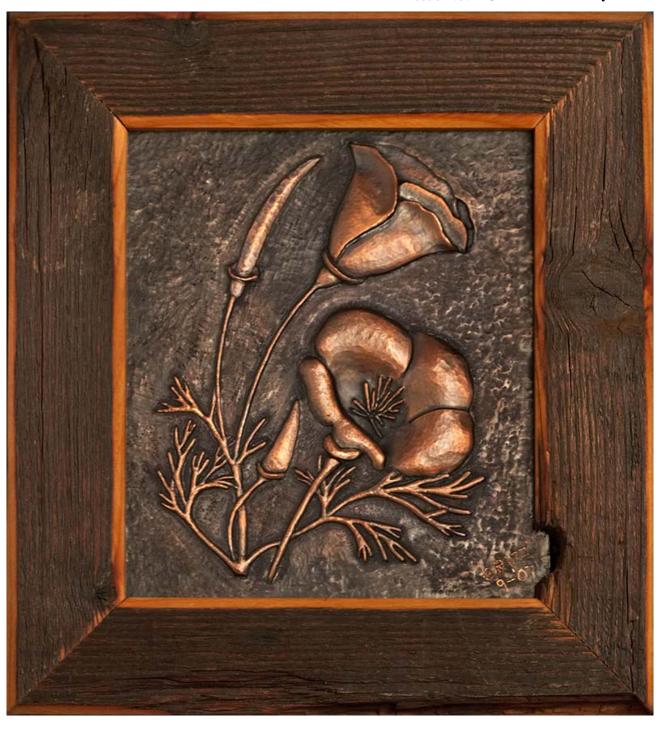
The Anvil's Horn

A Publication of: The Arizona Artist Blacksmith Association

Issue No. 145

July 2010



Repousse by Rodger LaBrash.

See page 10 for info on the upcoming repousse workshop

President's Message:

Hey there hammerheads,

Have we not had a great spring this year? Well, beware I'm sure summer will pay us back!

The Wilcox demo at Fred Borcherdt's, Buckskin Ranch was one of the best demos I have attended. Thanks to everyone who came, including our great demonstrators, Lorelei Simms, Art Jones and Fred himself. The BBQ was a fun time for all and, like last year, the video night was great! My hat also goes off to all those who got up early on Sunday morning to help me with the biscuits and gravy.

By the time this newsletter gets out the ABANA conference will be but a memory, but I'm sure those who went will bring back knowledge to share with us all.

On another note the Board of Directors need your input as to what we can do to make this association better, more productive and how to get new membership in these slim economic times. This is your association so let us hear it, good or bad, comments are always welcome. If you have ideas for

demonstrations or would like to demonstrate or host a demonstration let Mary Ann know, she is always looking for new ideas.

The July demo will be in cool Flagstaff at the Pioneer History Museum. They have been a gracious host the past couple of years and it is a great venue for us, please support them and see the museum. See you there.

Grizz



Grizz (with his hat off) and the biscuit bunch.

AABA OFFICERS and BOARD OF DIRECTORS

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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, Bill Ganoe, Ivan Hill, Harold Hilborn, Ron Kinyon, Doug Kluender, Jason LaBrash, Rick Miller,
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July Demo July 17TH PIONEER HISTORY MUSEUM, FLAGSTAFF

2340 Fort Valley Road, Flagstaff, Arizona Registration starts at 8:00 am, demo begins 9:00 a.m.

We will be gathering in cool, breezy Flagstaff for some morning demonstrations, and some late afternoon hands on opportunities. This is always a fun event that brings out a lot of folks that are in the group who don't always make it, but seem to find a way to come and hang out together to reminisce, tell lies, and catch up with one another.

Demonstrations will be given by a few of our fellow members, who are extremely active in the group and enthusiastic about sharing their skills and talents with the rest of us.

Ray Brown: will be joining us once again to show us some tricks up his sleeves, and help shed some light to proper forging techniques. His dedication to our association is always welcome.

Clark Martinek: back for another chance to excite the crowd, Clark will delight us with his charm, technique and talent. He is a great asset to our association, and a welcome sight to watch.

We have a couple of others from the association who will be bringing their talents to the venue. Come out; support the group, reacquaint yourselves to good friends, and have a chance to show off your skills at the anvil, or get some tips at the anvil from the rest of us. There is going to be hands on forging in the afternoon.

- This is a one day event...but camping can be accommodated
- Lunch on Saturday is on your own
- Please bring something for Iron-In-the-hat and show and tell
- Tailgating encouraged, bring your stuff

Directions to Arizona Historical Society Pioneer Museum in Flagstaff: I-17 toward Flagstaff
Exit 23-B
Merge onto S. Milton Ave
To N. Humphreys Street/US 180 .6 mi
Left onto W. Columbus
Follow US-60 1.3 mi
To 2340 Fort Valley Road

As always, safety glasses are required.

April Demo Report: Buckskin Ranch

Lorelei Sims

By Wally Warnke

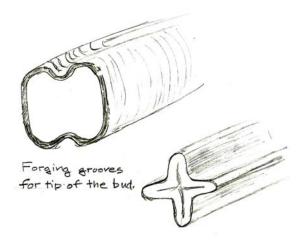
Lorelei Sims was the featured demonstrator on Saturday at Fred Borcherdt's ranch near Wilcox. Lorelei owns the Five Points Blacksmith Shop in Charleston Illinois, is a nationally known demonstrator and author of <u>The Backyard Blacksmith</u> (Quarry Books, 2006). The main part of her demo covered the elements



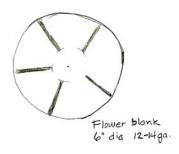
of the morning glory arrangement and also her approach to grape clusters.

The morning glory bud is forged from pipe, 1" or 1 1/4" for a large flower. Start by fullering down the base, leaving about 4" for the bud. Go easy to start until you get a groove established, then you can strike it harder.

Keep in mind safe forging with pipe. A "handling length" will get hot in a hurry and if you must quench, make sure it's pointed in a safe direction in case it belches scalding water.



With the base fullered down, square up the end just a bit to get some flat sides. Then start forging in the



flutes with a narrow cross pein over a bottom fuller. Do all four sides at the mouth to get that pattern established, then work down the length of the bud, stopping one to two inches from the base. Spiral the lobes by striking across them while rolling the piece away from the hammer blows. Soften up the edges at the base of the bud, then fuller the stem down solid and cut it off.

The flower is made from a 6" circle of 12 or 14 gauge sheet. Chase in five lines, stopping about 2/3 of the way to the center. Then sink the center into



a form using a large ball pein as a punch. When you get it started switch to a smaller ball pein to drive it in a bit farther (scribed lines to the inside). Curl the edges of the petals down over the horn.

Lorelei used a couple of techniques for forging tendrils, depending on the size of round stock used. For 1/8" you can simply clamp one end in a vise, grab the other end with tongs and twist it. For 1/4", clamp a bending fork in the vise, then hammer the stock over the fork as you twist and pull it through with tongs. It may take a bit of practice to get the feel of that, she make it look pretty easy.



The sinking tool can be made from a piece of pipe with a wide flare forged on the end. Be sure to keep the center round when making it as any imperfection is transferred to the base of each flower you forge.

For grape clusters, get carbon balls from McMaster Carr, you can get various sizes and they're much cheaper than ball bearings.

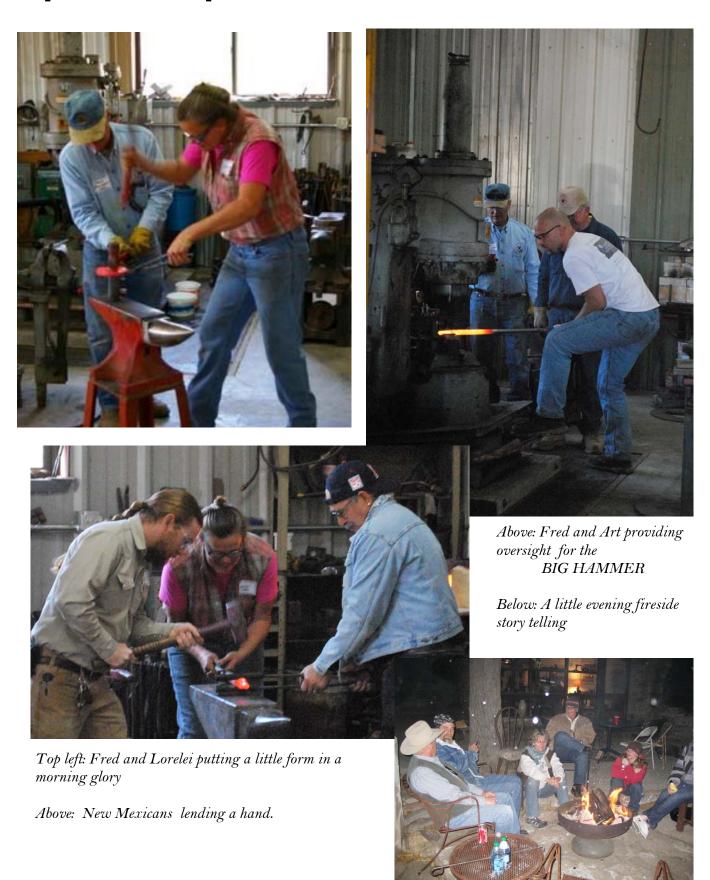
In a pan of sand or kitty litter, make a depression with the side of your fist. It makes a nice tapered depression of about the right size and shape. Spray that with Pam cooking spray, to keep sand from sticking to the balls as they are welded.

Set a layer of steel balls into the depression, you're making a half shell of the grape cluster. Two of these are made and then welded together to form the full cluster. Weld a stem (one of your tendrils) to the top ball of the cluster, the ground wire clamps to the stem. Then work down through the cluster, each ball you weld has to be the next in line, touching the group already welded in order to make the circuit.

The idea is to keep all the welds on the inside, nothing but grapes visible from the outside. As an extra bonus, you can get a nice bronze to blue oxidation color on the balls from the heat of the welding.

All of those techniques, the tendrils, forging and twisting the bud from pipe, even welding up the grape clusters seem to demonstrate a little different take on creating those elements than we normally see. My guess is that Lorelei doesn't see her work so much as a fresh new perspective, as just the result of how she grew into the craft. But it made for an interesting demonstration. And while her book is a somewhat slender volume aimed at "beginners", the projects and tools inside show the same fresh perspective making it well worth a look.

April Demo Report: Continued





Left: The AABA Pickers Wally Warnke, Peter Sevin, and Bill Morris

Below: Art Jones showed videos of his time forging big stuff for nuclear submarines

Above: Bill and Martha Callaway

Left:: Some of the attentive crowd. There was a good turn-out of around 70 people.

Thanks to Jason LaBrash, Len Ledet, Wally WAarnke and Ivan Hill for sending photos

Dan Leman hosts PCC

By Harold Hilborn

Saturday March, 27th Dan Leman hosted a demo in the on going series for the Pima Community College blacksmithing classes taught by Jason Butler.

It was a three hour demo in which Dan demonstrated some of the production items which he sells. First up, were 3 legs that he uses on his tables which are made from ¾" solid round

stock. He first drew them out on his beautifully restored 100 pound Little Giant power hammer, which I might add he restored himself. Then he threw an organic looking wrap around a tapered pin and aligned them. I would say he has done this hundreds of times by the ease and speed he did it.

Next, was a holy cross out of 1" solid round stock. First he tapered out one end in the longer piece, then hot punched two holes for a ½ " pin where the two pieces intersect. After that he slit and drift a 1" hole in the top of the longer piece. All the hot punching and drifting was done in the treadle hammer and on the anvil. For the final step he crossed the two pieces; inserted the ½" pin which protruded ¾" from each side, inserted the part in the forge and brought it up to a orange heat and took it to the 75 ton H frame press and squished the intersecting joint together between 2-2" thick plates.

To finish the demo he discussed acid patinas and removing fire scale by soaking the parts in muriatic acid. Then he offered up his shop to anyone who wanted to play.

Great job Dan!



We noticed Dan's name on the new members list. We're sure glad to have him back and hope to see him in the near future. Ed.





Forging Bronze:

by Whit Hanschka

Reprinted from The Mississippi Forge Council's <u>The Upset</u> May 2010

The alloy is CDA 655

Here's what I've found when forging it: Silicon Bronze (SB) can be forged up to a dull red color. When it's at the right heat, it is very soft and forges very well. You can do most of the same kind of things you can with iron, with the exception of forge welding. It doesn't really scale like iron does, so you end up with a smooth surface texture.

You have to be careful with the heat, though: there is some sort of phase change at about a bright red heat. I highly recommend learning it in a semi dark shop. What happens is you pull the piece out of the fire and it looks fine, nice and hot, and then you go to hit it, or even just drop it on the anvil, and it will crumble like a piece of cornbread. It has NO STRENGTH in this phase! If it gets to this temp, and you realize when you take it out of the fire that it's too hot, be very gentle, you can just let it cool till it cools below the threshold, then forge away. Just below the critical heat it is VERY soft and really easy to push around. You can also just melt it, too... I think the melting point is around 1700 deg. F, and the weird cornbread phase is maybe 1-200 degrees below that. If you think a piece has been overheated, check for cracks if it matters. The stuff I've bought from Diversified seemed to crack a lot easier than the stuff from Atlas—at least I had this experience once with some 1 1/4" rod that I was forging into a 5/8 x 1 1/2 rectangular handrail.

I usually rub it with a green scrubby pad, or emery paper, to finish it, and then maybe spray lacquer. Don't contaminate it with abrasives which have been used on steel, or it will rust. It doesn't hold a brassy type of shine, but it ages very gracefully. Anything that is handled regularly will get polished. Outside it will go brown and then slowly verde gris green, with very little bleeding and no rust.

SB is extremely sensitive to work hardening, which you can really use to your advantage if you want to. Cold working is the

ONLY way to harden it, and if it is heated and then not cold worked it will be soft even if it's quenched. I think "cold worked" is below maybe 500 degrees, but I don't really know. Maybe 700 degrees. I've made a lot of letter openers with it. I make the handle, then draw the other end to a small SQUARE tapered point maybe 3/16" or less, tapering to a point 3/4" long or so. Then I heat the taper up pretty hot to get a good even anneal, and then quench it. The point is then dead soft and you can bend it double with your fingers if you want. It should never see heat again!

I then forge out the blade cold by flattening it on the diamond, and when it's all thinned out it has a very nice spring to it and it will hold enough edge to open a really lot of email. I think it would make good little leaf springs for locks and such.

One thing about SB is the different shapes. Round bar is cold drawn and very hard— for bronze— and is the cheapest. (Maybe \$4/lb or less last time I got some). Plate is also available and is sort of half hard or pretty soft, and it costs DOUBLE per pound what the rod costs. Rectangular bar is available in a few limited sizes, and is cold rolled and very, very hard, with sharp edges, and also double the price. The price varies... Once I needed some (yesterday) and paid \$11 per 1b for round stock from General supply in New Bedford.

SB mig wire is available. Torch welding is tricky because of cracking during the cornbread phase. I usually have good luck torch welding round stock and no luck with flat stock. I use straight borax for flux. Brazing with brazing rods is pretty easy but the color match isn't too good. I also silver solder it a lot.

Remember there are a million alloys of "bronze".

I'm only talking about CDA 655, which is 97 Cu, 3 Si, 1 Manganese.

CALENDAR 2010

July 3 Open Forge
July 17 Demo
August 7 Open Forge

September 17 BOD Meeting 6:00 pm September 18 & 19 Demo Len Ledet; Sarah Harms

November 20 Demo Ron Kinyon December 4 Auction/Banquest Grizzly Iron Phoenix
Pioneer History Museum Flagstaff
Grizzly Iron Phoenix
Bill & Karen Morris Camp Verde
Bill & Karen Morris Camp Verde
Ron Kinyon's Falcon Forge Mesa

2010 AABA Annual Auction/Banquet

The annual auction/banquet will again be the first Saturday of December which is December 4. We are doing things a bit different this year. Instead of having the meal catered, the board has agreed that we will cook the meal ourselves. This will make the event just a little more fun and it will lower the price of the meal. We will barbaque up our usual steak, chicken, fish, and veggie burgers along with all the sides to make a big feast. Doing this does have one drawback; we need much more help. We need people to help set up, cook, barbaque, and clean up. The more help, the easier it is for everyone. We also need help with the usual auction items: calling vendors for donations, setup, tear down, registration, spotters and recording during the auction. If any of these jobs interest you or you just have a strong urge to help out AABA in some way but don't know how, contact Jason. You can call 602-717-1459 or email him at jason@grizzlyiron.com.

Welcome New Members

Zach Lihatsh
Brent A. Marshall
Daniel T. Baeza
John Silvestre
Ben LoBue

Geno Foushee David Hawkins Fred & Mary Pena Dan Lehman Tod Linke

Deadline: August 7 for the September 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

Chasing and Repousse Workshop

Glendale

When:

Sahuaro Ranch

October 22-24, 2010

Where:

The Studio of Grizzly Iron, Inc.

1329 W Lincoln St Phoenix, AZ 85007

How much:

Registration \$375.00 (\$100.00 Down payment required when registering, non refundable after August 31st)

Register before August 31st and get a free set of Chasing Tools - A \$90 Value! (Registration must be paid in full to qualify for chasing tools)

What you take home:

8" pitch bowl w/red German pitch

Chasing hammer

Copper for your projects

Why:

To learn the ancient techniques of chasing & repoussé. This workshop will enhance your metal working skills as well as create new ones. We will also go over how to make the tooling necessary and make one or more tools if time allows.

Anything else:

Repoussé tools will be provided for your use, these are available for purchase during the class.

How to Register:

Register online at www.grizzlyiron.com or contact Rodger or Jason at 602-716-9660

Open Forge

Grizzly Iron is hosting their monthly open forge the first Saturday of each month. The next one is on July 3rd. The cost is free and all are welcome. Each month they are focusing on individual techniques or processes. This month they will be focusing on power hammer techniques. Others are encouraged to bring their favorite ideas to share. This is great time to get a little hands on time and get some valuable ideas. The day usually goes from about 8 am to Noon or 1 pm. Stop in and check it out! Call 602-716-9660 if you have any questions or need directions.

Grizzly Iron, Inc 1329 W Lincoln St., Phoenix, AZ 85007

AABA Website: AZ-blacksmiths.org

Mesa Community College Now offering 2 Blacksmithing Classes

For the upcoming fall semester MCC is offering a basic blacksmithing class on Tuesday and Thursday evenings from 6:00 to 8:40 taught by Dan Jennings (The class schedule lists Staff as the instructor, but really, it's me).

I am very excited about teaching this class. My goal is to make sure everyone reaps the maximum benefit from the experience. While there is an established curriculum for the absolute beginners, those with more advanced skills will be able to work their skill level.

I really like the facility – there are enough anvils so students don't have to share. There are plenty of forges all fed off a central 500 gallon tank. The shop is open and airy with a couple swamp coolers that will make the hot months tolerable.

The class number is 67606.

Jaime Escobedo has been teaching basic black-smithing skills at MCC for several years. His class is held on Saturdays from 8:30—3:10. There are still openings for this class. If you'd like to sign up the class number is: 48689.

For more info go to www.maricopa.edu To find the course info search for Welding 103. Search the MCC for class schedule. Be sure to change the filter to Fall 2010.

Pieh Tool Educational Opportunities

Beginner/Intermediate Blacksmithing Classes with Gordon Williams

Class Dates:

Sept. 24-26

Oct. 22-24

Nov. 19-21

Dec. 3-5

\$455 per 30 hour class. All materials and equipment are provided.

Bill Pieh Resource for Metalwork at Pieh Tool in Camp Verde, Arizona.

Contact: 928-554-0700 or www.piehtoolco.com

Vern Lewis Welding AABA Discount

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,: www.vernlewis.com or contact Chris Perella @ 602-319-7693"

Examples of Discount pricing
Oxygen - \$12.30 (LG Cylinder)
75/25- \$39.38 "

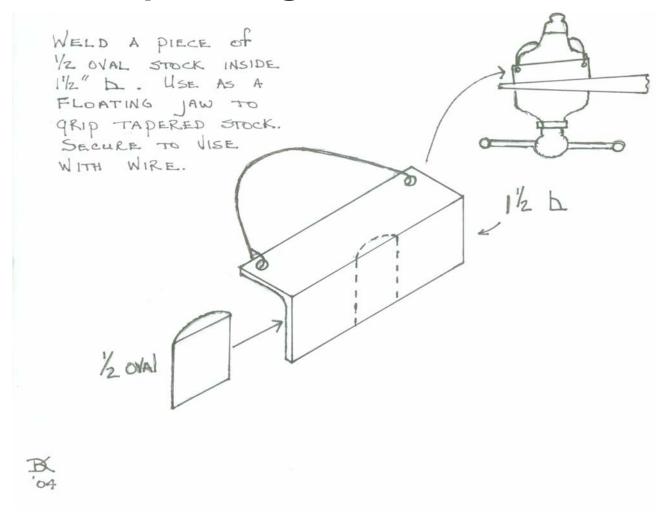
AABA New Mo	ember ar	nd Memb	ership Renev	wal Form
Name				
Address				
City		State	Zip	
Phone	_ Email			
Professional blacksmith				
Your main blacksmithing in	terest			
Occupation or skill				
Please check one:			3.6.4	T D
Regular membership (\$30)_			Mail to:	Terry Porter
Family membership (\$35)				2310 E. Melrose St. Gilbert, AZ 85297
Make Check Payable to	AABA			

Quick Tip from Paul Dief

I have a pair of box jaw tongs that are perfect for $\frac{1}{2} \times 2$ inch stock. I also use $1/4 \times 2$ inch stock so I came up with this quick solution to convert the tongs from $\frac{1}{2}$ to 1/4 inch. I took a 3 inch long piece of $\frac{1}{4} \times 1$ flat bar and folded it over so it fits snug over the jaw of the tong. Presto! Two size tongs for the price of one!



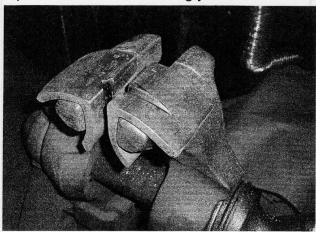
Another Tip from Doug Kluender



Shop Tips

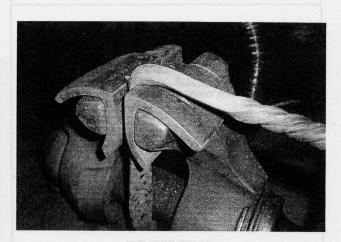
By Albin Drzewianowski (Ed note: this is a a reprint from last issue, this time with the pictures of the bending fixture)

Fixture For Bending On The Diamond. One of the problems when you are trying to put a 90 degree bend in square stock on the diamond, is to avoid putting vice or anvil edge marks in the bend. By making this fixture, you can bend he square stock without marring your work.



Take 2 short pieces of 2" angle iron, heat them up in the forge and then bend them to fit around the vice jaws. It helps to mark them F (for front) and B (for back) so you always position them the same way. Next use the corner a square file and file in a triangular shaped groove on each piece so that they line up. (Do not use a triangular file, as that will give you a 60 degree groove, rather than the 90 degree groove you want for square stock.) The grooves do not need to be too deep, mine are

about 1/8" deep. Plan ahead with the placement of the grooves, in that most if the time the piece you are trying to bend will be long enough that you will not be able bend in the center of the vice. Notice that on my jigs, the grooves are off center so that the bend will take place on the left side of the vice.



When you need to bend the square stock on the diamond place the hot steel in the fixture, clamp down with the vise and bend. Finish the bend if necessary with a wooden mallet not a steel hammer, so that, again, you do not put marks on the corners of the bend. The whole purpose of this exercise is to have nice crisp clean edges on the steel, no flats on the edges.

Reprinted from May/June 2010 issue of The Hammer & Tong Blacksmith Guild of Central Maryland



From the town of Rodeio, State of Santa Catarina, Brazil.

This was a planting machine factory built early '40. Stopped production in mid '70's when young people didn't want to do factory work. I was looking at photos when I noticed the trip hammers.

David Barnes

Member's Gallery





Rose and bud with leaves: By Jerry Latham

Jerry used flat sheet for the petals, 7/16 diameter rod for the leaves and stems, 1/4 rod for the flower stem. He used vegetable oil and a brass brush to patina the project.

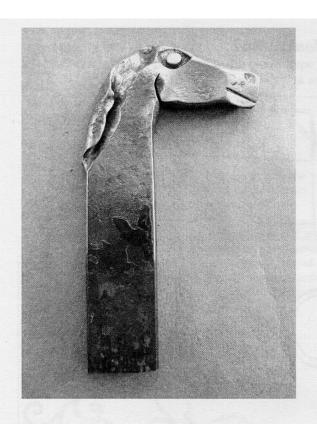
The rose has been donated to the Phoenix Children's Hospital's Art Show and Auction.





A quintet of stainless steel handles by Ivan Hill

Entry Door By Harold Hilborn



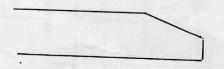
Horse Head-Article & photos by Steve Anderson, a MABA member.

A good Summer demonstration project- any demo that transforms cold, hard steel into a life like form is an eye catcher. Making a leaf or a twist are great examples. My favorite 10 minute demo is forging a horse head as taught to me by Lud Lazarowicz.

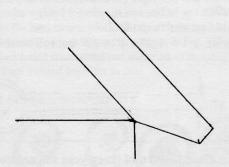
Lud also taught me the meaning of ingenuity and hard work, as well as the value of sharing and having blacksmiths as friends. *Thanks Lud*.

Material: 1/4" x 3/4"

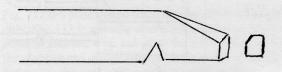
Forge a taper 1" long down to 1/3 of original height.



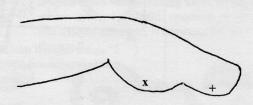
Turn stock upside down and forge the neck on the edge of the anvil about half way through.



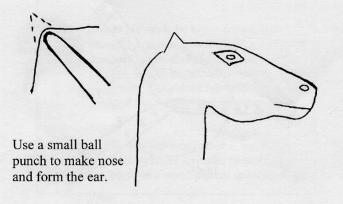
Forge a taper along nose area.



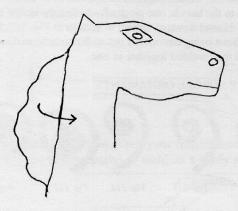
Use a small rounding hammer to round out the jaw (x) and nose (+). Then quench nose and place in pritchel hole to bend head to 90°.



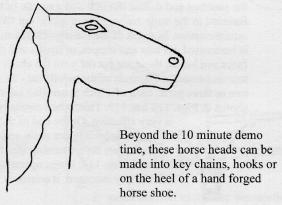
Punch the eye with the diamond eye punch. Then chisel the mouth.



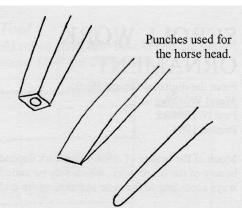
Using a small ball pein, forge out the mane.



Lay front of neck on the anvil and use the hammer to fold the mane around the neck.

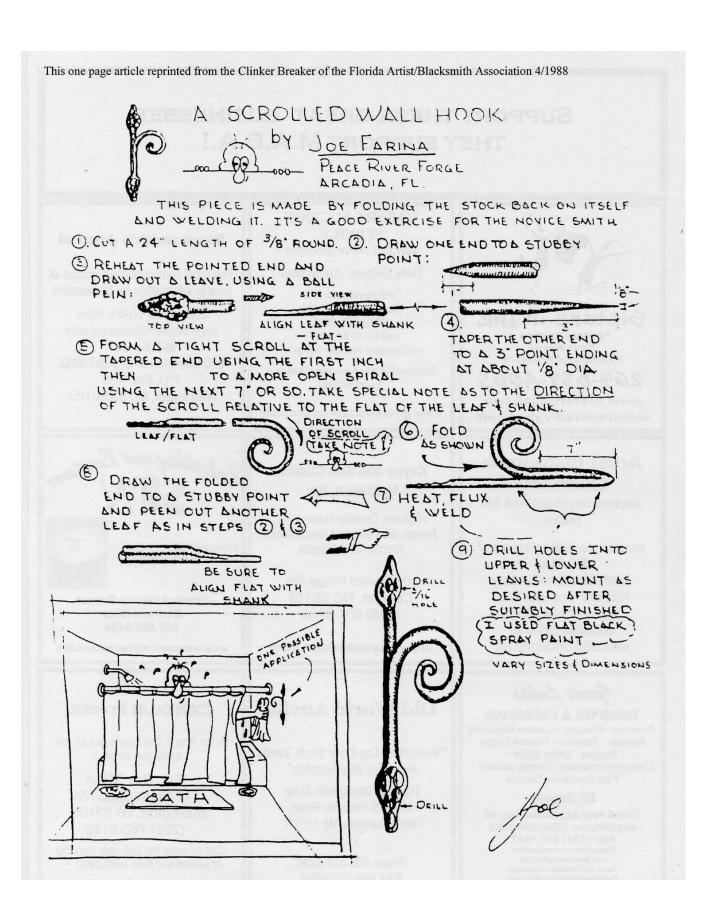












Classifieds

Blacksmith's Journal, issues # 0 thru #128. II Volumes in 3 Journal "D" binders. August 1990 thru September 2001. Absolutely like new. Journal website cost with shipping is almost \$600, and they are out of print on many of these issues. Original, heavy stock printed issues; not current website copies. Make offer, cash or interesting trade.

Power hacksaw with stand, motor and gear reduction included but not hooked up. \$250

Kay Kofford 480-474-8770

Kinyon Simple Air Hammer pneumatic kits. Includes cylinder, valves, fittings and hose. Ron Kinyon 602-568-8276 Classified ads are free to members and can be submitted by email to: danshammer@cox.net

L Brand Coke For Sale \$22 for 50 lb Bag \$5 Tool Steel for Sale 1", 1 1/4" and 2" Round Available 12-14" Lengths. \$3 per pound

Call 602-716-9660

Shop coal forge w/electric blower w/reastat plus coal. 36" x 28" \$150 Anvil, 120 lb on banded stump w/tool holder \$400

Dayton floor drill press \$50 Champion No. 400 free standing hand forge blower \$100 Champion electric forge blower

Ray Brown 480-221-5373

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.

Kerr Long Arm Centrifugal Casting Machine mounted on a barrel with splash guard. 3 crucibles, 4 flasks, extra weights and cradles, tongs. Located in Camp Verde. Selling all for \$350. For pix/info, call Valerie, 928-646-7078.

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: www.rockymountainsmiths.org

Bar U Bar Supply

Several 65 lb. & 85 lb. swage blocks for sale. Your source for anvils, post vises, and other new & used blacksmith tools. Barry Denton ph 928-442-3290 email: barubarranch@gmail.com website: www.barubar.com

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

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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.

Vern Lewis Welding Supply,

Discount pricing for AABA members. Contact: Chris Perella @ 602-319-7693 Examples: Oxygen - \$12.30 (LG Cylinder) 75/25- \$39.38

Arizona Artist Blacksmith Association

Attn: Dan Jennings

2522 W. Loughlin Dr. Chandler, AZ 85224

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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 hearin 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

For membership info or address change, contact: Terry Porter 2310 E Melrose Street, Gilbert 85297 480-988-2070 trp555@prodigy.net



Monty Bygd (second from left), an AABA member who splits his time between Arizona and Wisconsin, put together a Kinyon New Style Air Hammer Workshop.

If you are interested in participating in one of these workshops or if you'd like to have a Kinyon New Style hammer Contact Ron Kinyon. You'll find him listed in the pull out 2010 Roster located in the center section of this issue.