

The Anvil's Horn

A Publication of the Arizona Artist Blacksmith Association

Issue No. 174 May 2015



*Horse created by Tim Cisneros
From the demonstration on March 21 and 22, 2015, at Grizzly Iron.
(Photo by Jason LaBrash)*

President's Message:

As many of you know, besides blacksmithing, I also have a passion for rock climbing. At first glance these two activities have nothing in common. I was doing some spring cleaning at my climbing gym recently and came across a box I tucked away 15 years ago. In it were some pitons and a couple of hammers. These items were made by a company called Black Diamond. The predecessor to Black Diamond was Great Pacific Ironworks, a company founded by Yvonne Chouinard who was a blacksmith. He started making pitons from truck axles because the pitons of the day were made from soft iron and easily deformed when hammered into cracks in the rock. I started rock climbing in 1975 just as pitons and hammers were being replaced with aluminum stoppers and hexes that did not require a hammer to place. I climbed a few routes, including a 30 horizontal roof, that could not be safely protected with the new aluminum gear so I bought a mess of pitons and a hammer and had a ton of fun. There is something about hammering that is primal. It gives me great satisfaction.

So, what is the point to this story?

- 1) The interconnectedness of life is fascinating.
- 2) Go through your closets and storage areas every so often and clean house – you never know what you will find.
- 3) Hitting things with a hammer is great fun! Especially if it is hot metal that you are hitting.

Have fun & happy hammering.

Paul Dief

From the Editor's Desk:

I can't be everywhere all the time, so I need your help. If you have an event or activity that deserves some notice, send me a short note about it. Better yet, get some pictures and write up a paragraph or two. (For pictures, higher definition is better, but I can work with almost anything. If you want to feature a particular piece, try to shoot it from an angle that minimizes the detail in the background.) Also, if you hear of a show coming up, send me the details. If you took part in a show, send me the details. If you have a tip to share with other readers, send it to the editor. A sentence or a paragraph is all you need.

Bill Ganoe

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**Demonstration
Saturday, May 16, 2015
John Silvestre's**

4879 N. Monterey Dr., Apache Junction, AZ

**Demonstrator: Roger "Grizz" LaBrash
Forging a bear head (inspired by Darryl Nelson)**



Registration begins at 8:00 AM Saturday, the demonstration starts at 9:00 AM.
Registration fee: \$15 for members, \$20 for non-members

John Silvestre has also offered to prepare lunch for whoever is interested at the demo. This will be some good home cooking and better than fast food. Plus you won't have to leave the demo and worry about being late to iron in the hat. The cost will be minimal and will be determined as we get closer to the event. We have set up a way to RSVP to the demo on our website, www.azblacksmiths.org, and it would help us tremendously if you could RSVP for the demo and if you would be interested in buying a meal ticket.

Bring something for Iron-in-the-Hat and the Show-and-Tell table.

Remember Iron in the Hat

Thanks to all of you who have participated in Iron in the Hat. By purchasing tickets and donating items, you help support AABA events and projects. Items for donation can be a tool, piece of art, something you don't need in your shop, a great book, t-shirt, hat ... something an AABA member would enjoy.

Directions to John Silvestre's

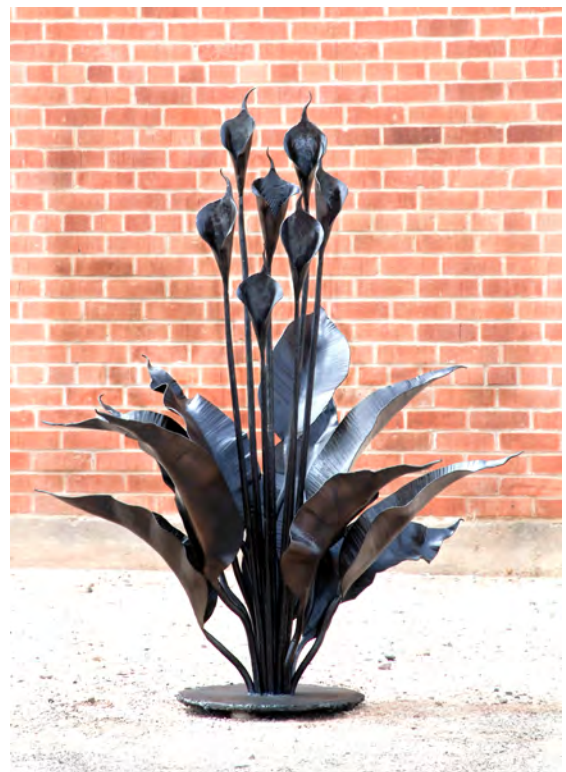
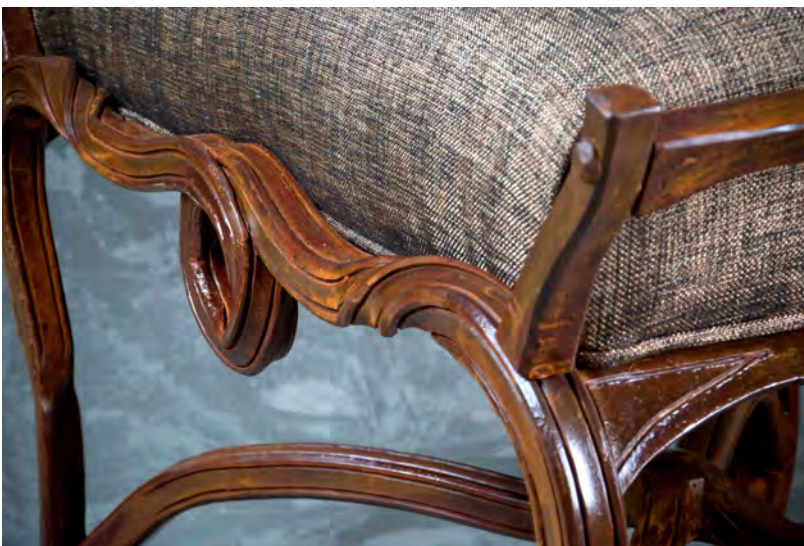
4879 N. Monterey Dr., Apache Junction, AZ

- US 60 to Idaho Rd. (Exit 196) in Apache Junction
- Turn north on Idaho Rd., go about 4.7 mi.
- Turn left on Canyon St., go about 1.2 mi.
- Turn right on Monterey Dr.. It's on the right.

As always, safety glasses are required.

Our May Demonstrator: Roger LaBrash

Grizz is a past President of AABA and an owner and blacksmith at Grizzly Iron in Phoenix. He has been blacksmithing for over 20 years primarily in ornamental work but his portfolio includes many pieces of art and sculpture. His main focus in art is organic works which also include animals.



March Demo Report

Demonstrator: Tim Cisneros

Jason LaBrash

Tim Cisneros put on a great demo this past month! He came with an ambitious project of the horse sculpture. He worked until almost 9 pm both days and for the few of us that stuck it out, it was worth it! Tim was an excellent demonstrator and showed some new techniques to everyone that attended. Everyone walked away with a new thought process in forging. Tim put his heart and soul into the demo and it really showed. The completed sculpture is now in AABA's possession and will be in the annual Auction this fall. We had over 60 attendees throughout the weekend and a great turnout with the tool sale!

Tim's tool making workshop was also a huge success. We had 10 participants in the class and almost everyone came out with a completed set of tongs and a fuller top tool.



Tim Cisneros and Roger LaBrash



Tim Cisneros



Drawings and sketches to work from.



(Photo by Jason LaBrash.)

Developing the head.

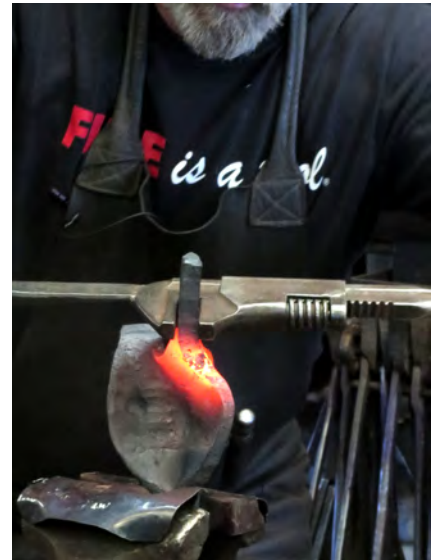


(Photos on this page are by Bill Ganoë unless otherwise noted.)

March Demo Report (cont.) Demonstrator: Tim Cisneros



Almost completed head



Using a torch to localize heat while working on the breast and forelegs



Team work. (Photo by Jason LaBrash.)



The last rivet. (Photo by Jason LaBrash.)

(Photos on this page are by Bill Ganoe unless otherwise noted.)

March Demo Report (cont.)

(Photos on this page are by Bill Ganoe unless otherwise noted.)



Show and Tell, Wade Smith



Show and Tell: (CW from upper left) Ron Wickland: cross; flowers and rings from coins, Roger Degner; chest, Bill Ganoe, bear head progression, Grizz



Show and Tell: Two Sails by Doug Kluender



Show and Tell: Bear head progression by Grizz. Hints of the May demo,



Show and Tell: Portable forge and blower from the Civil War era. Recently acquired by Dief.



Students in Tim's tooling workshop. (Photo by Jason LaBrash)

Open Forges Around The State



Desert Rat Forge, Cave Creek, April 12, 2015

It was Open Forge, so I opened up the blower on this tractor wheel forge I got for free. After cleaning up the blower Cameron gave it a try. Works great. I now have 3 forges and 3 anvils so come on by next month. -- Dief



Cross making workshop at Holy Hammer Iron Works, Tucson, April 4, 2015

Openings



Ira Wiesenfeld had an opening at the Petroglyphs Gallery in Tucson on March 27, 2015

What is a touchmark and why should I have one?

Steve Miller

A touchmark is a blacksmith's signature on their work and it can take many forms. Some smiths have a simple symbol they create with a chisel. Others have specially made stamps that can be forged or machined. Not all smiths use a symbol. Some simply use their name or a first initial and last name with the reasoning that no one knows what your symbol is, but they will likely be able to look up your name. Then again, the piece may not be big enough to etch your name. Either way it is highly recommended you stamp your work for the recognition of all your efforts and identification. It is a cool thing to have your mark proudly identifying your work.

For symbol touchmarks, a few organizations register them to identify the mark to the smith. Unfortunately, ABANA (Artist Blacksmith Association of North America) the national blacksmith organization, does not register touchmarks. ABANA's board has talked about it, but has not taken action. There are a few groups like Anvil Fire and Incandescent Forge (you can find them both on the web) that maintain a registry of touchmarks and a few state affiliates, some for a moderate fee.

AABA has decided to explore building an Arizona registry of touchmarks for informational and historical purposes as a service to our members. It simply would be a picture of the touchmark stamped into a piece of steel with the smith's name listed.

So if you don't have a touchmark, the first thing is to come up with one. It might be your initials, the name of your smithy, or other significance. I'll share the story of mine which developed over several years.

We were camping out at Pioneer Living History Museum just north of Phoenix. My oldest son had his Boy Scout Eagle Project there earlier in the day and he had decided to camp out to see if the ghost in the show hall would be present that night. That evening,

one of the other Scouts, who was very inquisitive and always had something to share with the Scoutmasters, presented me with two storm matches. These were not just water proof matches, but storm matches that will light and burn in the wind. He stated that it was to represent the two stormy years he had been in the troop. He'd had a few struggles and subsequently a lot of learning. He was a good Scout. He looked up to all the troop adults which were all males at the time. We filled a father figure role for him that he did not have at home. I think the matches was his way of thanking me. I stuck them in the band of my cavalry replica hat, which had crossed rifles at the time. I later replaced the rifles with the matches in a similar crossed fashion thinking that while crossed arrows were a sign of friendship among Native American tribes during the pioneer days these crossed matches would be a sign of a friendly campfire. However, live matches on my hat was not the example a Scoutmaster should display. So I replaced them with painted sticks to look like the storm matches, which kept breaking. That Scout moved away a short time later and I heard he made Eagle, the highest rank in Boy Scouts. I was proud of him. I subsequently made a small patch of the crossed matches to hand out at other scouting functions. Now, when it came time to make a touchmark, it just came to me that it had to be a pair of crossed matches! This time the meaning is the sign of a friendly smithy. If you ever catch me at a demo check out the 4 foot long crossed match sticks that I will have displayed nearby.

Bring your touchmark sample for photographing to the next demo in May or send a picture to me at stevemiller.az@cox.net. Next article: How I made my first touchmark and a few other ways to make or purchase them.

Until then, keep your forge hot and hit hard.

Calendar 2015

May 2	Open Forge	Location to be announced	Tucson
May 10 (probably)	Open Forge	Desert Rat Forge	Cave Creek
May 16	Demo - Grizz	John Silvestre's	Apache Junction
June 14	Open Forge	Desert Rat Forge	Cave Creek
July 18	Demo - Alec Steele	Pioneer History Museum	Flagstaff

Welcome new members

Richard Abitzsch	Phoenix, AZ
Michael Hickie	Coeur D Alene, ID
David Himelfarb	Safford, AZ
David Hymas	Anthem, AZ
Dan Kallberg	Glendale, AZ
Carson Lengvary	Surprise, AZ
Jim Mankowski	Flagstaff, AZ
Will Nunn	Wickenburg, AZ
Brian Winkle	Tucson, AZ

Classes at Pieh Tool Beginning/Intermediate Blacksmithing with Gordon Williams

Apr. 24-26, 2015

May 8-10, 2015

\$455 for three days of classes, blacksmithing or knife making, at Pieh Tool in Campe Verde.

For complete details call 928-554-0700 or browse to www.piehtool.com.

Deadline for the July issue

May 31 is the deadline submitting photos and articles for the July issue of the Anvil's Horn.

Send articles, pictures, etc. by email to:

editor@azblacksmiths.org

or by regular mail to:

Bill Ganoe, PO Box 40233, Tucson, AZ 85717

MCC Blacksmithing & Welding

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Saturday (Jaime Escobedo instructor) and evening classes (Dan Jennings instructor) are available. Blacksmithing is WLD 103.

TIG, MIG, Arc, Gas, and Art classes are all available, as is certification in any of those welding methods at Mesa Community College, Southern and Dobson in Mesa.

Classes fill up early. For more information go to: www.mesacc.edu

If you try to register for any Welding Department classes on line, and you find all the classes are closed (full). Contact me (Dan Jennings) at danshammer@cox.net with the class number (time and days) of the class you'd like to take - I'll get an override number so you can sign up.

Coal order

Dragonforge Ironworks has coal for sale. Good quality forging coal from the King Coal Mine in Hesperus CO.

Minimum order \$50 for 100 lbs. in lump coal form (pieces range from golf ball to bowling ball size). Bring your own containers.

Call Michael at 480.529.0206.

We store a few hundred pounds at a time in Mesa and still have several tons left in Apache Junction.

AABA Website: www.azblacksmiths.org

Open Forge: Tucson

There will be an open forge in Tucson on Saturday, May 2 from 9 to noon, but the location is still up in the air. Look for an email blast to AABA members in the Tucson area the last week of April for final details.

Open Forge: Desert Rat Forge

Paul Diefenderfer will host an open forge on the second Sunday of each month from 9 am to noon, followed by lunch (You gotta' buy your own.) at the world famous Big Earls Greasy Eats in Cave Creek. Desert Rat Forge is at: 40218 N. 78th St. Cave Creek. 602-509-1543 or dief@phoenixrockgym.com

Note: Dief may be out of town on Sunday, May 10. Call him on Saturday, May 9, to see if he's back.

Directions: From the center of Cave Creek (the 4-way stop at Cave Creek Rd & School House Rd.) head north on School House 1.5 miles to Highland Rd. (If you get to the 4-way stop at Fleming Springs you have gone a tad too far.) Turn right (east) on Highland. After about 1 mile the pavement ends. Keep going on the gravel road until the pavement starts up again. Turn right through the stone walls down a paved driveway. You are there!

If You Are Attending An Open Forge...

You might not be aware but this, but these events are not funded by the AABA. They are hosted by our members for all of our benefit. So if you participate in forging, welding, use shop materials, or accidentally damaged something. Please offer to donate to help out or help with the cost of replacing a item. Thank you! From all of your open forge hosts.

Gordon Williams Blacksmith School

Gordon Williams teaches the regular 3-day classes at the Pieh Tool shop in Camp Verde. He is also teaching short (4-hour) classes and intensive 6-day classes at his shop near Camp Verde. Check out the details at www.gwblacksmithschool.com

Membership Renewals

If you haven't renewed your membership, you will have received a reminder notice by the time you get this issue. Please renew today so that you won't miss out on future issues of *The Anvil's Horn*, the best newsletter in blacksmithing.

AABA Membership

Benefits for members include:

Reduced registration fees at demonstrations and workshops

A one year subscription to the bi-monthly newsletter, *The Anvil's Horn*

Connection to members throughout the state who can answer questions and give advice.

Free classified ads in the *Anvil's Horn* and on the AABA web site.

email notices when event details change or new events are scheduled on short notice.

AABA New Member and Membership Renewal Form

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Professional blacksmith _____ Hobbyist _____ Farrier _____ Blade smith _____

Your main blacksmithing interest _____

Occupation or skill _____

Please check one:

Regular membership (\$35) _____

Family membership (\$40) _____

Mail to: Terry Porter
2310 E. Melrose St.
Gilbert, AZ 85297

Make Check Payable to AABA

Gallery



Twin Sails by Doug Kluender



Traditional Chest by Bill Ganoe
Made in a class at the John C. Campbell Folkschool in North Carolina.

Tenon Ratio Tables

Gerald Franklin

Use the tables below to quickly determine correct shoulder placement for drawing out tenons. The tables give the amount of increase per unit length of tenon given the starting and ending dimensions:

Example: If you have a 5/8" square bar and want a 1/2" round tenon on it, Table 2 tells you that the finished tenon will be 2.0 times longer than the shouldered piece. So, if you want a tenon that is 1 1/2" long, shoulder the piece 3/4" from the end (the desired finished length divided by the number from the table.) This should give you enough material for a tenon of the desired length (3/4 X 2.0 = 1 1/2). Always start shoulders a minimum of one half the cross section from the end of the material.


Table 1: Round to Round and Square to Square									
		Finished Tenon Size							
		1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Starting Bar Size	1	16.0	10.2	7.1	4.0	2.6	1.8	1.3	1.0
	7/8	12.3	7.8	5.4	3.1	2.0	1.4	1.0	
	3/4	9.0	5.8	4.0	2.3	1.4	1.0		
	5/8	6.3	4.0	2.8	1.6	1.0			
	1/2	4.0	2.6	1.8	1.0				
	3/8	2.3	1.4	1.0					
	5/16	1.6	1.0						
	1/4	1.0							



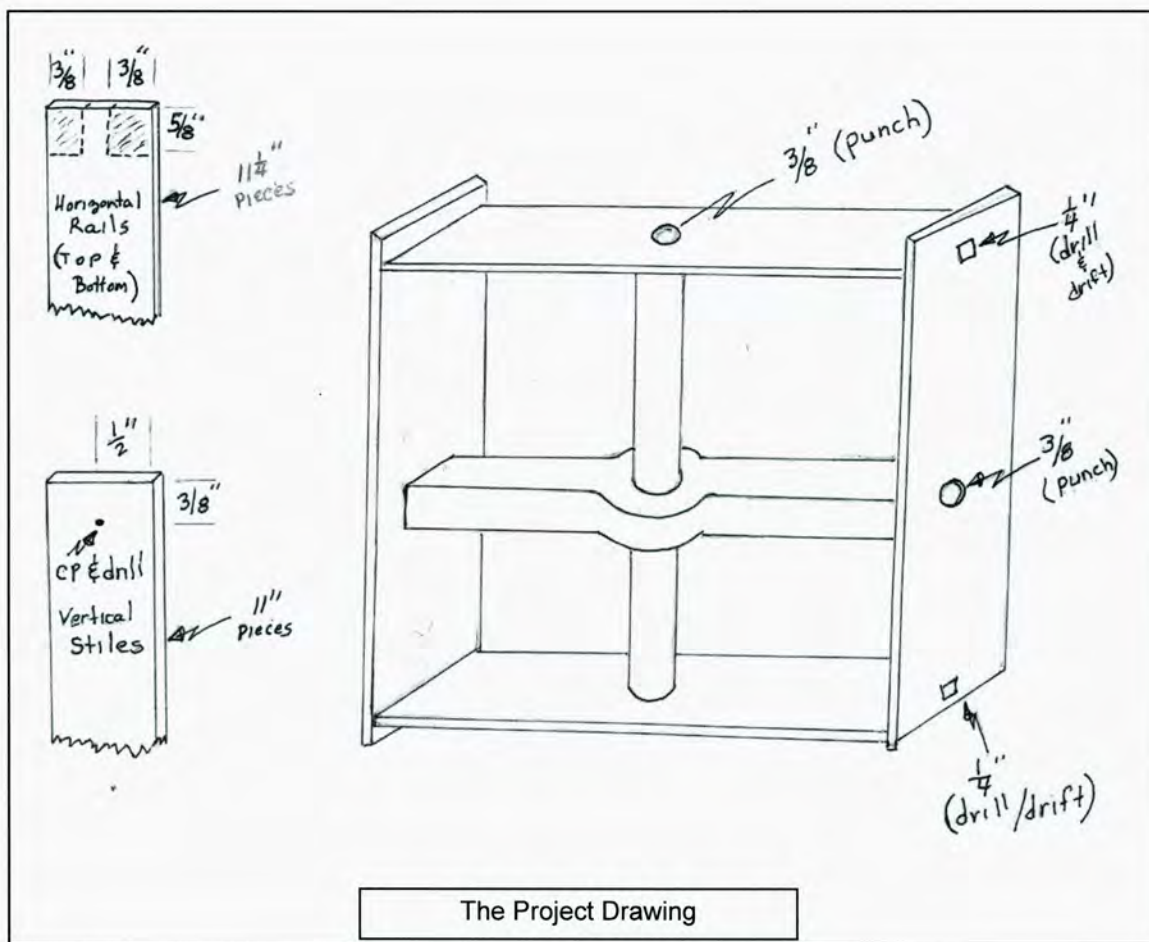
Table 2: Square to Round									
		Finished Tenon Size							
		1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Starting Bar Size	1	20.4	13.0	9.1	5.1	3.3	2.3	1.7	1.3
	7/8	15.6	10.0	6.9	3.9	2.5	1.7	1.3	1.0
	3/4	11.5	7.3	5.1	2.9	1.8	1.3		
	5/8	8.0	5.1	3.5	2.0	1.3			
	1/2	5.1	3.3	2.3	1.3				
	3/8	2.9	1.8	1.3					
	5/16	2.0	1.3						
	1/4	1.3							

Table 3: Round to Square									
		Finished Tenon Size							
		1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Starting Bar Size	1 1/2	28.3	18.1	12.6	7.1	4.5	3.1	2.3	1.8
	1 3/16	17.7	11.3	7.9	4.4	2.8	2.0	1.4	1.1
	1	12.6	8.0	5.6	3.1	2.0	1.4	1.0	
	7/8	9.6	6.2	4.3	2.4	1.5	1.1		
	3/4	7.1	4.5	3.1	1.8	1.1			
	5/8	4.9	3.1	2.2	1.2				
	1/2	3.1	2.0	1.4					
	3/8	1.8	1.1						
	5/16	1.2							
	1/4								

Reprinted from the newsletter of the Saltfork Craftsmen Artist Blacksmith Association (Oklahoma), March 2015

We were all impressed and inspired by the recent demonstrations of joinery and grill work by John McLellan and Mark Aspery. But not all of us can do work at their level. Here's a project idea to help build your own joinery skills. This was the basis for the recent Basic Mortise and Tenon Joinery workshop taught by Gerald Franklin for the Saltfork Craftsmen Artist Blacksmith Association in Oklahoma. There was an extensive article on this workshop published in the Saltfork newsletter. If there is enough interest here in Arizona, I'll try to reprint that article here.



Reprinted from the newsletter of the Saltfork Craftsmen Artist Blacksmith Association, March 2015



*Have you OD'd on RR Spike knives?
How about some bottle openers? These
were done by Mike Cataldo of Aggressive
Metalworks in Albany, NY.
(Reprinted from the Hot Iron Sparkle
(North Carolina), 4th Q, 2014.)*

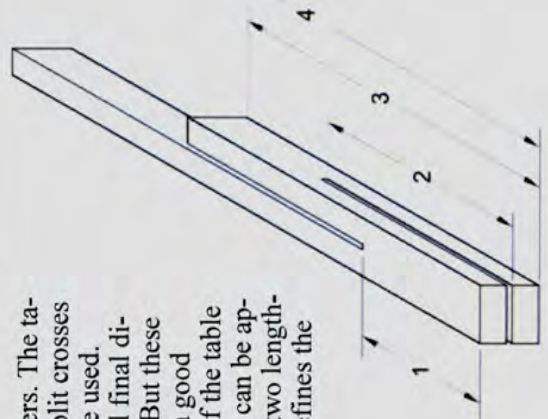
Everyone seems to be doing split crosses these days, but a lot of us cut the blanks with a lick and a prayer. Here's some hard figures for cutting your blanks. Or you could just use this material as the basis for for mking your own asthetic judgements and modifications.

(Reprinted from the newsletter of the Salfork Craftsmen Artist Blacksmith Association (Oklahoma), March 2015.)

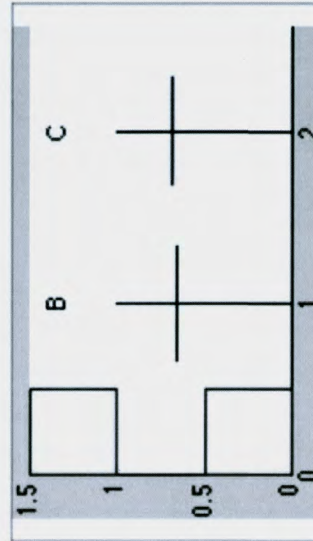
Split Cross - Quick Dimensions

Width Dimension of Stock									
Dim	1/4	5/16	3/8	1/2	9/16	5/8	3/4	1	1 1/4
Any Size	Any Size	Any Size	Any Size	Any Size	Any Size	Any Size	Any Size	Any Size	Any Size
1	9/16	3/4	7/8	1-1/8	1-5/16	1-7/16	1-3/4	2-5/16	2-7/8
2	15/16	1-1/8	1-3/8	1-13/16	2-1/16	2-1/4	2-3/4	3-5/8	4-9/16
3	1-7/16	1-13/16	2-3/16	2-7/8	3-1/4	3-5/8	4-5/16	5-3/4	7-3/16
4	2-5/16	2-7/8	3-7/16	4-5/8	5-3/16	5-3/4	6-15/16	9-3/16	11-1/2

This information was provided by Jim Carothers. The table gives quick approximate dimensions for split crosses to get good proportions based on the stock size used. These dimensions are not really critical and all final dimensions are really subject to personal taste. But these dimensions would be a good guideline to get a good "look" to the final product. The last column of the table provides the basic ratios that were used which can be applied to any size of stock. The overlap of the two lengthwise cuts (dimension 2 minus dimension 1) defines the size of the opening in the center of the cross.



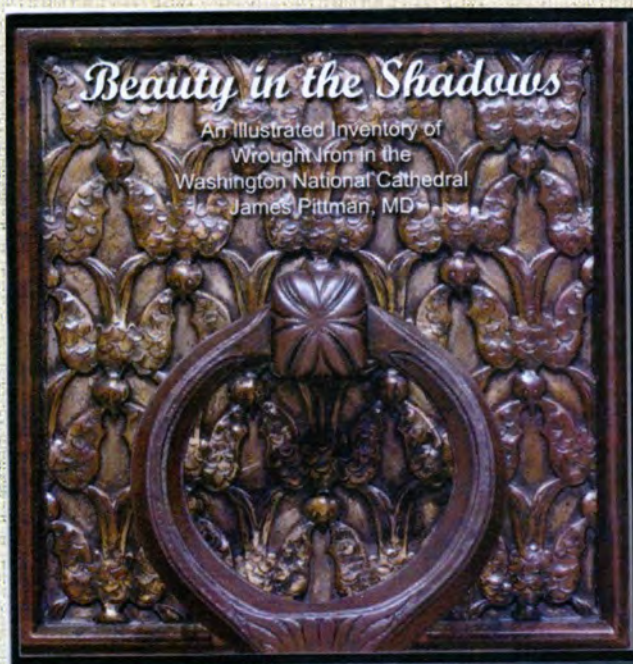
A final word about the overall proportions for a cross: throughout history you can find examples of many different cross proportions (ratio of height to width and ratio of the length of the top arm to the height), and you can still see all manner of cross proportions in use today. The one for you to use is the one you think looks better. Several examples of overall cross proportions that I think look good are given in the illustration below.



Two cross proportions drawn to scale. The two blue squares should look perfectly square.

Method	Top Arm/Height	Height/Width
B	0.333	1.500
C	0.301	1.618
Copper Cross	0.333	1.412

Proportions for the two cross designs and for the copper cross pictured at left. The top arm is the vertical portion above the crosspiece. Method C uses the Golden Ratio (ratio of height to width is 1.618) while method B uses round numbers like 1/3 and 3/2. The top, left, and right arms are the same length in methods B and C.



The DVD, *Beauty in the Shadows: An Illustrated Inventory of Wrought Iron in the Washington National Cathedral*, is now produced and available for purchase. The description on the back of the sleeve sums it up concisely:

"This disc is intended to complement "Beauty in the Shadows", a recently published book by Nol Putnam. The book is a work of art; a journey through the cathedral conducted by master blacksmith Nol Putnam. The photography is superb and the text captures the essence of the art form as only a master of the trade with a talent for writing could do. It includes major works and a sampling of detail.

From the early stages of planning the book it was intended to have a CD-based complete illustrated inventory, including the major gates and grilles with more detail, and all the railings, door hardware, light fixtures, statues and plaques. It includes all metals, distinguishing those that are wrought iron. Sit back and enjoy the wrought iron of the cathedral from the most magnificent gates to the most humble hinge strap or railing in 2,284 photos."



James Pittman is a retired physician who provided both general and specialty tours at the cathedral for ten years. Over these years he has been photographing every aspect of the cathedral art. The original intention was to have better resource material available to his fellow docents. He has produced a book and CD on the 721 carved boss stones, a CD based atlas of the stained glass windows, a CD based virtual tour of the cathedral, and several virtual specialty tours, none published for sale to the public. The wrought iron DVD has been five years in the planning and production, and is available for \$25.00 from Dr. Pittman, 6824 Derby Run Way, Gainesville, VA 20155, or on Amazon at:

http://www.amazon.com/s/ref=nb_sb_noss?url=search-alias%3Daps&field-keywords=Beauty%20in%20the%20Shadows%20Pittman

Artist-Blacksmith Association of North America

Blacksmithing, the cornerstone of all crafts for centuries, has come back to life. Once rendered nearly obsolete by the Industrial Revolution and 20th Century technology, this ancient craft has undergone a contemporary renaissance. A new appreciation of the honest, enduring qualities of forged metal has developed.

At the heart of this revival has been the Artist-Blacksmith's Association of North America, Inc., a non-profit educational association dedicated to the dissemination of knowledge about the art and craft. Started by a handful of isolated blacksmiths in Georgia in 1973, ABANA now serves nearly 4,000 members.

As part of your Membership Benefits you will receive 4 issues of the Anvil's Ring and 4 issues of the Hammer's Blow Magazine each year you are a member. These magazines can not be subscribed separately but are only received by our members. We have recently added a youth membership at a reduced rate, this membership available to those 18 or under includes a subscription to only the Hammer's Blow magazine.

ABANA New and Renewed Membership Form:

Name: _____ Membership ID# _____
for renewals, if known. (Not required)

Street: _____ City: _____ State/Prov: _____

Zip/PC: _____ Country: _____ Phone: (____) _____

Email: _____ Website: _____

☐ New

☐ Renewal Type _____ Amount \$ _____

Card Number _____ Exp. Date _____ CVVS _____

_____/____/____

ABANA Affiliate: _____

Credit card orders can be faxed, be sure to sign this form. Fax: 423-913-1023

Mail to: ABANA, 259 Muddy Fork Rd, Jonesborough, TN 37659 USA

(Please pay by Check, U.S. Money Order or Credit Card)

Phone: 423-913-1022 or join online at www.abana.org

Membership Rates

Type	1 yr	2 yr
Regular	55.00	105.00
Senior	50.00	95.00
Foreign	65.00	125.00
Student(Full Time)	45.00	85.00
Youth (18 and Under)	20.00	
(Hammer's Blow Only - Non Voting Member)		
Contributory	150.00	and UP
Educational Institute	250.00	

The Arizona Artist Blacksmith Association is an affiliate of the Artist-Blacksmith Association of North America.

Classifieds

Classified ads are free to members and can be submitted by email to: editor@azblacksmiths.org

Marketing Assistance

Blacksmith's Wife Marketing provides marketing and promotional services, in both digital and print, to the metal working community. Also providing website design and consulting services. Contact April Witzke at (575) 535-4766 or visit www.blacksmithswifemarketing.com

For Sale in Prescott

588 lb. English coachmakers anvil
4 1/2" Wilton combination vise
Miller Legend welding machine on trailer with tongue box and mounted 4" Wilton vise
Hypertherm PowerMax 1000 plasma cutter w/cart, leather host cover

Brian Hughes
928-717-8247
brian@artsmithing.com

For Sale

FORGE-APRONS, the stylish blacksmith apron that can be Custom-Sized, Personalized or Customized with three designs to choose from and FREE shipping. Visit forge-aprons.com or call James Patton, 575-313-4650

For sale

B36 103 kg Kolswa anvil , \$1,250
Fisher 80 lb. anvil, \$225
Swage block, 15"x15"x4", \$550

Maurice Hamburger, 602-538-7905

For Sale

25# Little Giant trip hammer
2 Bench vises, 65# & 80#, in new condition
Buffalo electric blower
Heavy duty hand crank blower
Hand crank coal forge
Whitney bench hole punch with punches

Ray Brown
(480)221-5373 or (480)993-9315
lainne@aol.com

Hints and Tips

Chisel and Punch Holder

Fasten a narrow shelf on a wall with a strip magnet about 3 inches above it. When you put your chisels or punches with the head down on the shelf the magnet holds them in place and you can see what kind of punch or chisel it is.

Drawing on Metal

A Gel ink pen works great for writing on grey or shiny metal. It makes a fine line.

Old File

Grind an old file on one end at 45 degrees for a scraper to use for scraping off hot slag.

Hot Cut

To make an easy hot cut, take an old brick hammer and straighten it out. Anneal the hammer head.

Vise

Use a vise to make accurate bends. Mark vise with soap stone for the length of the bend.

Reprinted from the newsletter of the Blacksmith Association of Missouri, Nov 2011

Classifieds

Classified ads are free to members and can be submitted by email to: editor@azblacksmiths.org

For sale

Victor Gas Rig+ gas saver, includes hand truck, gas saver pedestal and tanks. Tanks are almost full, the hand truck may need new tires. I have the green tool box the victor rig came in. Rig has been kept covered from the weather and is in good, serviceable condition.

\$500 firm for everything

Call Kurt, 602-526-0814 or e-mail, kperry9823@centurylink.net for more details.

For sale

Propane forge, 2-burner, made in one of Doug Kluender's forge workshops.
Miller Dialarc 250, power source for TIG or stick with cables, remote foot control, argon bottle and regulator
100 lb. anvil
Hand shear

Jack Friehe, 623-466-9889

Leftovers From The Closing And Sale of My Shop

I closed my shop last May and sold almost all of the stuff. I am left with what was on the floor and now that I have moved and have no place to store the stuff. I am selling the stuff at scrap metal prices. I have some machines also. Here is list: first the electric tools: 1) A bench sander for knife tooling with a 1" belt and a side plate sander. The belt is 180 inches so it lasts a long time—made by United Tools, 2) a bench sander with a new stone and a good wire wheel. The hand tools are: 4 18" tongs and 1 huge tong said made for mounting the steel rims on wagon wheels, 7 hammers with handles and 7 with no handles, two lower hardies and 12 upper hardies, a brass mallet and a lead mallet, 1 side axe head. There are two auger drills with chest pressure plates. I will consider any offer and would like you to take it all at once—you will get a good cut then.

Call me at 480-994-3134 or email me at rbgilsdorf@gmail.com.

Picture Rock Arizona Sierra Banded Sandstone

makes the perfect base for all your forged iron pieces. Awards, plaques, memorials, water features, furniture or anything you can imagine.

Mined in northeastern Arizona, cut and shaped to your specifications.

Terry Horne
500 E. 38th Ave.
Apache Junction, AZ 857119
602-672-7085
www.arrowzonastoneworks.com

Will buy your unwanted blacksmith or horseshoeing tools and supplies.

Barry Denton, 928-442-3290 any day before 7:00 pm.

Forging Coke for Sale!

High quality L-Brand coke
\$30 per 50 lb bag

Rodger or Jason, 602-716-9660

Sources

Tucson Iron and Metal

Steel, aluminum, stainless, copper and brass for sale by the pound. Open Monday - Friday 8 - 4:30. Also 1st and 3rd Saturdays 6:30 - 8 am. specifically for metal artists.
690 E. 36th St., Tucson, 520-884-1554

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

A Copper Rose Metal Art

Chasing/Repousse Pitch
Debra Montgomery
www.chasers-pitch.com

Brent Bailey.

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

Pieh Tool Company, Inc.

Blacksmith Supplies, Blacksmith Classes with Gordon Williams, Milwaukee, Wilton & JET Tools, Air Hammers, Hand Hammers, Tongs, Books, Coal and Coke.
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928-554-0700
www.piehtoolco.com

IMS

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5150 S. 48th St., Phoenix
602-454-1500
3757 E. Columbia St., Tucson
520-441-5900

Pacific Insulation Company

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

Vern Lewis Welding Supply

Discount pricing for AABA members. Various locations in the Phoenix area.
602-252-0341
Dan, 602-316-4140, for tech support.

Interstate Steel and Salvage

Specializing in Steel, Aluminum, Stainless Steel, Brass, Copper and some alloyed metals of all types, sizes and shapes. Cutting, Shearing and advanced Flow water jet cutting for all your project needs. Valley wide delivery. Let us quote your next large or small job!
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