

# *The Anvil's Horn*

A Publication of the Arizona Artist Blacksmith Association

Issue No. 212 September 2021



*Four Hook Rack  
by Len Ledet*

*One of the projects in his video series  
Forged and Fabricated Projects to Enhance Your Blacksmithing Skills.  
See page 8 for more information on how Len produces these videos.*

# President's Message

Hey all,

Our first in person hammer-in is upon us! I really hope that you are planning to attend because it is sure to be one you won't forget. It will be great to see everyone back together again. Steve has some great things planned so let show up and make this the greatest demo we've ever had.

Also, the time for our annual auction and luncheon is quickly approaching us and we're still working out the details. I've been a little behind on putting getting this put together. We're still working to find a venue so if you have an idea, please reach out to me! No matter what, it will happen in early December so look out for a date on the website or in your emails very soon. I'm sure you've also had some time to notice a little extra clutter around, so if there is a cool tool or piece of metalwork you would like to rehome, this is the time!

I better see you in Camp Verde, until then, keep hammering!

*Jason LaBrash*

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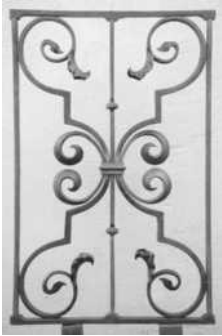
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# **Demonstration: Saturday, September 18, 2021**

## **Workshop: Sunday, September 19, 2021**

1731 Copper Circle  
Camp Verde, AZ

### **Demonstrator: Mark Aspery**



Mark's presentation will be two-fold: to swing a hammer, making a section of the National Curriculum's Level III Grille, while also chatting about blacksmith education within the USA, which is starting to change quite rapidly. Specifically, Mark plans to forge a quadrant of the grille as well as make some of the tooling. He will look closely at the water leaf and leafing hammer, or the center collar (forged and fitted) as interest dictates, but probably not both.

- Registration begins at 8:00 AM, the demonstration starts at 9:00 AM.
  - Registration fee: \$15 for members, \$20 for non-members,
  - Demonstration will be outside under a large cottonwood tree.
  - Tailgating is encouraged.
  - Bring things for Iron-In-the-Hat.
- NOTE: No folded tickets. Any folded tickets that are drawn will be thrown away.
- Bring things for Show-and-Tell. Don't forget to put your name on anything you bring for Show-and-Tell.
  - Lunch is on your own. There are several good restaurants in the Camp Verde area.
  - Saturday night BBQ
  - Some inside lodging will be available at the demonstration site. Steve Miller, **602-989-6505**, for details.
  - Plenty of space is available for tent camping and limited space for dry RV camping.
  - If you are planning to stay at a motel, the annual Thunder Valley Motorcycle Rally will be held in Cottonwood on September 17 - 18, so available nearby hotel/motel rooms will be scarce to non-existent. You might try Flagstaff, Prescott, Payson, or Sedona.
  - Tailgaters, please consider donating to Iron in the Hat.

### **Workshop**

Mark will conduct a workshop on the Level III Grille on Sunday, September 19, 2021, 8 AM to 3 PM. Students will work on portions of the grille or related tooling. Limit 12 students, \$100 Ea. Contact Steve Miller, **602-989-6505**, to sign up. Material Fee may apply depending on the cost of steel at the time. BYO basic tools, safety glasses, and anvil if you have one. We will need a couple of additional forges and anvils if you can bring some.

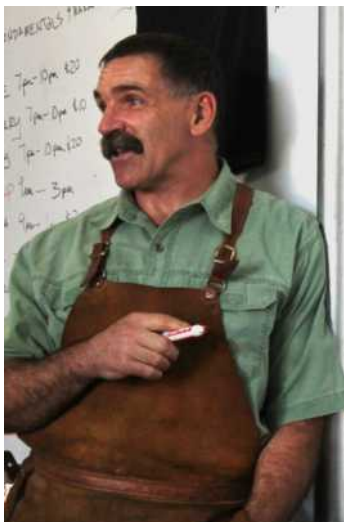
### **As always, safety glasses are required in the demonstration area.**

Hearing protection, closed-toe shoes, and long clothes of natural fibers are recommended.

### **Directions** to 1731 Copper Circle, Camp Verde, AZ

- I-17 to West Middle Verde Road, Exit 289
- Go west on W Middle Verde Rd about 1.2 mi. to N. Verde River Dr.
- Turn left (south) on N. Verde River Dr. about 0.7 mi. to Copper Circle
- Turn left (east) onto Copper Circle
- 1731 Copper Circle will be on your right.

## Our September Demonstrator: Mark Aspery



I currently own and operate my own school for blacksmiths in California, USA. My training as a smith began after leaving high-school in the UK, after starting work at a small fabrication & engineering firm that boasted a blacksmith shop. Over the years, I have worked for several smiths, as well as teaching in trade schools.

A certified journeyman smith with the Worshipful Company of Blacksmiths, and currently an Associate of the company (AWCB); I'm also a certified farrier with the American Farriers Association (AFA). Although I maintain that these qualifications and a Dollar/Pound will get you a cup of pretty-poor tasting coffee/tea, the endeavors were priceless.

Currently, I'm writing a fourth volume in my 'How to' blacksmith book series, *The Skills of a Blacksmith*. I'm careful not to call myself a traditional smith, perhaps classical is a more apt phrase. I do not take any regular commission work, just the occasional small job, I am quite out-of-touch with that side of the profession.

An underlying ethos of my classes is "make the tools before you begin the job". Currently, the single most important event that has improved my blacksmithing has been to teach it – having to know the root of the skill or information, but the phrase "best I could do at the time" comes to mind.

I'm as much a student of blacksmithing as the next smith, and always ready to learn more, taking classes where and when I can; with a subject this vast, how can I say anything else.

## Coming Attractions

### Winterfest IV January 13 - 15, 2022



Winterfest IV was planned for January 2021, but has been postponed to 2022 because of the continuing COVID-19 pandemic. Final details are being worked out right now and will be published in the next issue of *The Anvil's Horn*. Some great surprises in the works. Standby for volunteer opportunities.

The demonstrator list is now set:

Ray Rybar, Master Bladesmith, Camp Verde, AZ  
<https://tinyurl.com/eb96738j>

Rick Smith, Associate Professor of Blacksmithing and Metal Smithing, Southern Illinois University Carbondale, IL

<https://www.ricksmithblacksmith.com>

Lisa Elias, Elias Metal Studio, Minneapolis, MN  
<https://lisaeliasmetalstudio.com>

Michael Bondi, Bondi Metal Designs, Richmond, CA  
<https://michaelbondi.com>



## Other Events of Interest



**ABANA**  
*IRON TO ART*  
**2021**  
**JOHNSTOWN, PA**

**October 14-16, 2021**

*For 47 years, ABANA has not had a place to call home.*  
*In 2020, the Board of Directors voted to give ABANA a permanent home in Johnstown, PA.*  
*Johnstown has a rich historical presence in the Steel and Iron industry.*  
***You don't want to miss this!***

---

**Demonstrators:**

The Patient Order of Meticulous Metalsmiths

- Tom Latane
- Peter Renzetti
- Kevin Clancy
- Tina Chisena
- Carl Close

*Ellen Durkan*  
*Bruce Jarrell*  
*Jennifer Petrila*  
*Patrick Quinn*  
*Peter Ross*  
*Bob Valentine*

**The Teaching Tent:**

- Jeff Dunkelberger
- Steve Hotz

For more details and to register: [https://www.eventsquid.com/event.cfm?event\\_id=11749&fromdash](https://www.eventsquid.com/event.cfm?event_id=11749&fromdash)

\*\*\* AABA is organizing a contingent to attend the ABANA Iron to Art Festival. \*\*\*  
 See **Road Trip!** on page 10 for details.

Save the Date

**CBA Spring Conference**  
 Petaluma, CA



**April 21-24, 2022**      **Come Together**

We have great demonstrators lined up:

- Monica Coyne
- Peter Braspenix
- Doug Pryor
- The Bushey Brothers Jesse and Aaron

With a special guest from Italy.  
 The CBA teaching Team - Lead by Mark Aspery with John Williams and Victoria Ritter  
 And many more.

<https://www.calsmith.org/event-4379489>



**HAMMERFEST**  
**METAL CRAFT FESTIVAL**  
*for Enthusiasts of All Levels & Interests*

**DEMOS & CLASSES**

- Forging a Damascus Billet
- The Perfect Grind
- Forging Workshop Tools
- Beginner's Twist Hook
- Beginner's BBQ Tool
- Forging Animal Heads & Forms
- Welding Steel & Aluminum
- Fabulous World of Fabrication
- Forging Flowers
- Propane Forge Building
- Tree of Life Wire-Wrap Pendant
- Knife Makers Q&A
- Coppersmithing in Action
- Forging Vaquero Style Spurs
- Hilt & Handles
- Leather Scabbard Build
- Forged Feather

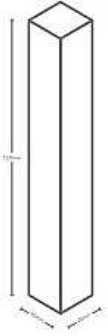
**SPONSORS**



**SATURDAY OCT. 9TH**

**Tickets @ [KanabHammerfest.com](http://KanabHammerfest.com)**  
 Metal Plex, 2540 Hwy 89a, Kanab UT

## Other Events of Interest



### #150mmchallenge

Curated and Produced by Delyth Done, Project Concept Ambrose Burne, Hereford College of Arts, UK. Toured in the USA by ABANA - Artist-Blacksmith's Association of North America

#### Touring Schedule

August 1 - October 16, 2021

Heritage Discovery Center – Johnstown, Pennsylvania.

Sponsored by the Johnstown Area Heritage Association.

<https://abana.org/donation-to-the-150mm-challenge-exhibition/>



## July Demo Report

Our July virtual demo can be viewed at:

<https://www.youtube.com/watch?v=2IEfl3-o9mo>

This video is not the best possible video of a blacksmithing demonstration. The demonstrator, Jaime Escobedo, is a talented and skilled blacksmith who is very good at communicating knowledge and skills to other people. This video suffered from technical problems. We are discussing ways to ensure that these problems don't plague future AABA videos. The main problem was with the audio. Sometimes it was clear. Sometimes it was unintelligible.

This video is still a source of useful information for viewers with at least an advanced beginner level of blacksmithing experience. For example, I've used Jaime's technique for forging a scroll wrench before, but I still learned a better way to form the back leg (or prong) of the scroll wrench, Jaime used a support or backing bar in his vise to support the work piece and keep it straight when forming that back leg. Why didn't I think of that when my workpiece was bending and swaying all over the place as I tried to hold it against the anvil as I hammered it?

Jaime also forged a beautiful rose from commercially available rose petal blanks. Unfortunately, most of his explanations were lost in muddled audio.



*Jaime explaining the process of creating the back leg of the scroll wrench.*



*Forming the back leg.*



*Forming the rose petals over a block of wood.*



*Heating and shaping a small portion of the rose with a torch.*

# **Inaugural Botanical Blacksmiths at The Tubac Presidio**



**November 15, 2021-March 31, 2022**

**Sign up by October 24!**

We're riding the wave of success of the 2020 Exuberance exhibit at the Tubac Presidio and bringing back ironwork to the gardens for the 2021/2022 winter season. Exuberance featured art from different mediums and included an auction of the work at the end of the exhibit. Our ironwork attracted a lot of attention and most of it sold in the auction so we were invited back for 2021 with an exhibit all our own.

The format will be much like the Botanical Blacksmith exhibit in Flagstaff. The big difference is that the work will be displayed in the historic desert gardens of the Tubac Presidio. There is plenty of room; it's a beautiful setting; and there is heavy tourist traffic during the winter months. Don't miss out on this great opportunity to show your work and to let the public know that blacksmithing is alive and well!

Please contact Cathi Borthwick at **928-890-9609** or **info@flagforge.com** for application forms and exhibit information.



## Making Instructional Videos — A Fun Skill For The Smith

Len Ledet

From time to time during the last few years I have signed on to YouTube to watch a number of videos displaying Blacksmith forged and fabricated items and projects. A number have been very professional and I have been able to enhance my basic skills and find fun projects to do. For the past several months, I have asked myself, “Wouldn’t it be fun to learn how to shoot a video, edit it, and upload it on YouTube?” The answer was, “Lets try it and see how hard will it be for this dummy to learn and get it done”.

The first step was, you guessed it, signing on to YouTube and seeing what they have about creating videos, editing them, and uploading them to YouTube. I found a video guru on YouTube and went through his material. He is Justin Brown, and his YouTube channel is Primal Video. After watching his video “Best Video Editing App for Android (2019 Review!)”, I chose Power Director by Cyber Link. There is a free version and several paid versions of the app. To begin with I chose the free version – down loaded from the Google Play Store to my Android tablet. The next step was to review the Power Director tutorials that CyberLink provides as well as tutorials from Justin Brown and others on YouTube. It took time and concentration, but after a while it “clicked”, and I felt comfortable using the basic video editing functions.

The next step was to decide what project to make and to video. My first was the Four Hook Rack Project. I used the camera in my Android phone. I had my buddy, Beatrice Perret, handle the camera while I did the forging and fabricating. I also took still photos to include in the video. I decided to minimize audio descriptions of what I was doing and use imbedded text during the editing process to describe what was occurring. It was easier to concentrate on the forging and fab rather than what to say during the filming. [Plus, your embedded text doesn't have to compete with the noise from your hammer, the forge blower, and other things in your shop. — Ed.] Justin Brown also has a video "How to Film like a PRO with Android Smartphones", as well as others. For music I used YouTube Audio Library. There are many songs available without a fee.

I uploaded my videos to YouTube from my PC. After signing up for a YouTube account, uploading is done through YouTube Studio. There are many detailed videos available explaining the process. There are three options for publishing your videos: Private, Unlisted, and Public. I selected Unlisted first, sent video address to friends and asked for comments. Then I upgraded to Public.

I've made four videos so far. The series is titled "Forged And Fabricated Projects To Enhance Basic Blacksmithing Skills". I hope you enjoy watching them.

** Four Hook Rack Project:	<a href="https://youtu.be/RkllI_6jwE0">https://youtu.be/RkllI_6jwE0</a>	9:11
** Horse Shoe Hook Project:	<a href="https://youtu.be/U-Mnzv2-698">https://youtu.be/U-Mnzv2-698</a>	9:23
** Large Door Grille Project:	<a href="https://youtu.be/CgCXEoAA2fo">https://youtu.be/CgCXEoAA2fo</a>	14:27
** Heart Necklace Project:	<a href="https://youtu.be/A7tnCzNT9-g">https://youtu.be/A7tnCzNT9-g</a>	5:36

To access and view the videos on YouTube, without the URLs above, enter the title plus ”Iron Images”. These videos were not created for profit, but for fun and to join today’s technical world - and, most important, to be able to say, “This dummy was able to do it!.



*Horse Shoe Hook Project*



*Large Door Grille Project*



*Heart Necklace Project*



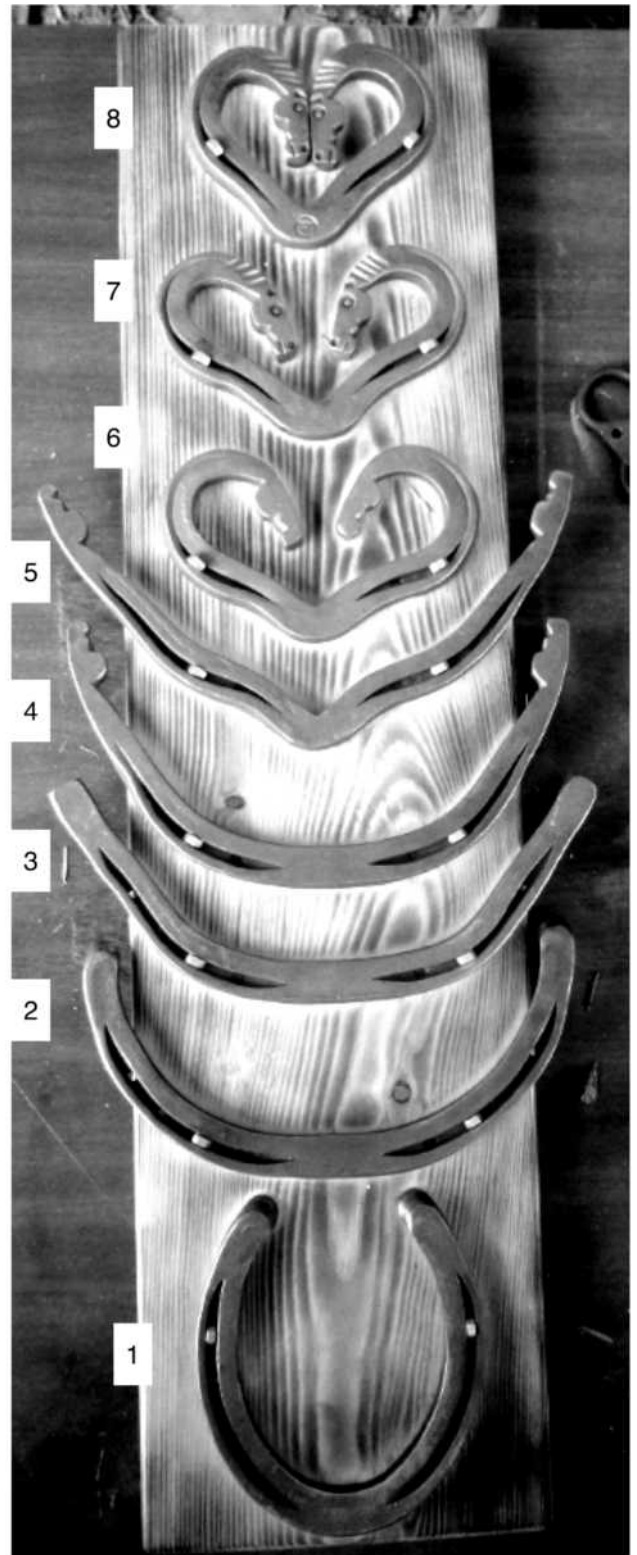
# Horseshoe to Heart An Exquisite Storyboard from Steve Taylor

*Shown at Oktoberfest 2016*

1. Your basic horseshoe.
2. Bend outwards, being careful to avoid collapsing the center groove.
3. Straighten the ends.
4. Create the neck-to-head transition (step): half-on/half-off blows over a sharp corner of the anvil, or use a side set to make the step.

Draw the lower face out. Use a small fuller to make the two indents to define the snout.

5. Locate the center of the horseshoe, then over a vee-block or double bar bottom tool, use a fuller to make the center indent.
6. Bend the heads around, keeping both curves even and matching.
7. Punch in the eyes, nostril, mouth, and mane.
8. Bring the heads together and even. Tweak and necessary.
9. Clean and enjoy!



[This is an interesting project in its own right, but it illustrates the use of a storyboard. Storyboards can be very useful for demonstrations and for newsletter articles. - Ed]

*This article was reprinted from the March-April 2021 issue of the California Blacksmith (online edition).*

## AABA Calendar 2021-2022

September 18	Demo - Mark Aspery	Camp Verde
September 19	Workshop - Mark Aspery	Camp Verde
November 20	Demo - Jymm Hoffman	Mesa
December	Annual Banquet & Auction	Phoenix
January 13-15, 2022	Winterfest IV	
	Mesa Community College	
	TBA	

## MCC Blacksmithing & Welding

The Mesa Community College blacksmithing program is an excellent deal - over 60 hours of instruction including material and propane! Classes are on Wednesday during the day with instructor Richard Rozinski, Monday and Wednesday evenings with instructors Richard Rozinski and Robert Ratliff, Tuesday and Thursday evenings with instructor Robert Ratliff, and on Saturdays with instructor Jaime Escobedo. Blacksmithing is listed as WLD103 in the class schedule.

Class in TIG, MIG, Arc, Gas, and Art welding 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, but waiting lists may be available. For more information go to: [www.mesacc.edu](http://www.mesacc.edu)

## Road Trip!

AABA is putting together a contingent to attend the ABANA Iron to Art Festival, October 14-16, 2021, in Johnstown PA. This Festival will inaugurate the permanent home for ABANA in Johnstown. The idea of an AABA contingent is camaraderie and sharing travel expenses (hotels and rental cars). This is a once in a life time opportunity, so sign up for loads of fun. Contact Steve Miller at [stevemiller.az@cox.net](mailto:stevemiller.az@cox.net) if interested. At press time, there is currently an opening to share a hotel room (male) and a rental car. Signup with a fellow smith and join in the fun.

## Deadline for the November 2021 issue

October 1, 2021 is the deadline submitting photos and articles for the November 2021 issue of the Anvil's Horn.

Send articles, pictures, etc. by email to:

[editor@azblacksmiths.org](mailto:editor@azblacksmiths.org)

or by regular mail to:

Bill Ganoe, PO Box 40233, Tucson, AZ 85717

## Classes at Pieh Tool Beginning/Intermediate Blacksmithing

• Beginning/Intermediate blacksmithing classes with Dylan Cook:

Oct. 8-10, 2021

Nov. 5-7, 2021

Dec. 3-5, 2021

Registration is \$570.

Students will make several simple projects to take home.

• Knifemaking class with Master Bladesmith, Ray Rybar:

Sep. 24-26, 2021

Nov. 19-21, 2021

Registration is \$570.

Students will make one knife.

For more details call 928-554-0700 or browse to [www.piehtoolco.com](http://www.piehtoolco.com).

## Sahuaro Ranch News

After being destroyed by fire on September 25, 2017, the reconstruction of the blacksmith shop at Sahuaro Ranch in Glendale is essentially complete. Jay Griffin and Ronald Wicklund were forging at the blacksmith shop on February 8, 2020. Watch The Anvil's Horn for upcoming events at the Sahuaro Ranch blacksmith shop.

## Workshops in Tucson

If you are interested in either of these workshops, Sam Rivera wants you to know that he hasn't forgotten about you or the workshops. He's just gotten really busy in the last couple of months. He'll get back to working on these workshops when business gets a little less crazy.

• Refacing old anvils

Sam is definately going to run the anvil repair workshop. He's just working on the scheduling.

• Building a Ron Kinyon vise.

Sam is looking for people who would be interested in building a vise designed by Ron Kinyon. (see The Anvil's Horn, March 2012.

# AABA Website: [www.azblacksmiths.org](http://www.azblacksmiths.org)

## Open Forge: Tucson

Sam Rivera will host an Open Forge at his shop in Tucson from 9 to noon on Saturday, October 2, 2021.

Sam's shop is at 675 W. Helen St., Suite 1C, Tucson. Take Speedway to Main Ave. Turn north on Main, then turn west on Helen. Helen is the first street north of Speedway. Call Sam at 520-591-4700 if you have trouble finding the shop.

Check <http://www.desertmetalcraft.org>, for upcoming events at Desert Metal Craft.

## Open Forge: Grizzly Iron

Don't have a power hammer? Use one at Grizzly Iron, 1329 W. Lincoln St., Phoenix, Wednesdays from 5:00 PM to 8:00 PM, more or less, . Pre-registration is required. There may be changes in dates, times, and restrictions, and those changes may be made on short notice during the COVID-19 pandemic. Check <http://grizzlyiron.com/classes-and-workshops> or the **Grizzly Iron Open Forge and Workshops** group on Facebook for current details.

## Open Forge: Desert Rat Forge (Phoenix area)

Paul Diefenderfer will host an open forge at Desert Rat Forge on Saturday, September 4, and Saturday, October 2, 2021, from 9 AM to noon followed by lunch (You gotta' buy your own.) at the world famous Big Earl's Greasy Eats in Cave Creek. Desert Rat Forge is at: 7645 E. Highland Rd., Cave Creek. 602-509-1543 or [dief@phoenixrockgym.com](mailto:dief@phoenixrockgym.com).

Directions: From the center of Cave Creek – 4-way stop at Cave Creek Rd & School House Rd. Head north on School House 1.2 miles to Highland Rd (if you get to the 4-way stop at Fleming Springs you've gone a tad too far) . Turn right (east) on Highland After about 1 mile the pavement ends. Please drive slow to avoid kicking up dust. As the gravel road makes a turn to the left there will be a single lane gravel road on the right with a sign for 7645. Drive down this road for bit until you see the big anvil. You are there! Park in the pullout if there is room – please do not park on top of any vegetation! If no room, return to main dirt road, park along the north edge, and walk the 700ft back to property.

## If You Are Attending An Open Forge...

These open forges are part of AABA educational activities, but AABA does not provide funds for these events. 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 put something in the donation box to help our hosts with their expenses. Thank you! From all of your open forge hosts. **You will need to wear safety glasses. Hearing protection is recommended.**

## Classes and Events at AABA Members' Shops

### Desert Metal Craft

544 E. 24th St., Tucson, AZ

“Desert Metal Craft is the only school in the southwest dedicated to teaching blacksmithing, bladesmithing and fabrication together with the modern science behind the craft of metalworking.”

- Rich Greenwood

The schedule at Desert Metal Craft features a wide range of classes and workshops. Check the DMC website, <https://desert-metal-craft.square.site>, for on-line events, details of specific events, and to register for each class or workshop

### Grizzly Iron

1329 W. Lincoln St., Phoenix, AZ

The schedule at Grizzly Iron features a wide range of classes, open forges, and workshops. For the current schedule, prices, and registration check the website: <http://grizzlyiron.com/classes-and-workshops>, or the **Grizzly Iron Open Forge and Workshops** group on Facebook.



## Just Stay Put! By Bob Pickens



This guillotine is made pretty much from the standard design you may have seen but, it has one big difference that will make it stay in place and not bounce. Movement in the use of this tool is annoying and the cut or groove you are making can get out of line

with the tradition square hardy post. This design has a "lock" that will keep it firmly in place and will eliminate movement when you are striking the hammer block of the guillotine. This "lock" can also be added to any tooling you would like to secure in your vise. Follow the step by step instructions for a good fit.



If you already own a guillotine, you can add this locking device to yours or if you are building one, make plans to add this nifty device to hold it in place. The following directions are for a 1" hardy, if your anvil has a larger hardy hole, adjust accordingly.

1. The "lock" is designed to fit in your hardy hole and is made from 3/8" X 1" X 10" flat bar, bend in a "U" shape using a 1/4" flat bar spacer in the center.
2. Heat the 3/8" X 1" flat bar in the center (heat with a torch to control the bending area). Place the 1/4" flat bar with a rounded end in the center of the 3/8" X 1" flat bar. The rounded end on the spacer flat bar avoids sharp corners on the inside of the "U".
3. Your first bend is done in the anvil upright, the continued bend is done squeezing the two ends together. One end will be slightly longer than the other, grind to match.
4. Prep the two ends to weld to the bottom of the guillotine by grinding a 45 degree bevel with an 1/8" land (flat spot). Make sure it is lined up with the guillotine and MAKE SURE you have it in the correct orientation. (Because...."it" could happen!")
5. The drift is made from a piece of 1/4" X 1 1/2" flat bar, saw cut at an angle from 3/8" of an inch to nothing over 6 1/2", approximately. A hole can be drilled in an end to secure with a chain or for hanging up. This would help it not be confused with just a piece of extra material in the shop.



Bob has a complete guillotine for sale with this locking mechanism if you are interested.  
Call: 412-496-9389 or [country\\_fab@msn.com](mailto:country_fab@msn.com)



This two-page article was reprinted with permission from the newsletter of the Pittsburgh Area Artist-Blacksmith Association.



"U" is folded in half, cut ends to match. Grind 45° angle with a 1/8" land for weld. The drift can be cut from 1/4" X 1 1/2" flat bar, grind corners round. Drill hole for a chain or attachment so it does not get lost or is mistaken for a piece of stock! That can also happen!

## Projects Inspired by AABA Members' Designs and Work

Ron Kinyon's design for a post vise has been getting around. Mike Mumford, the newsletter editor for the California Blacksmith Association, recently conducted a vise-building workshop at his home in Ridgecrest, California. Mike reported that he built the prototype vise based on the article in the March 2019 issue of *The Anvil's Horn* - plus a few modifications of his own.



*The vise Mike made from shop scraps. The posts are 3" I-beams*



*The four participants in the vise-building workshop - plus Mike's son who did the welding.*



# Tooling Tips From Rocky Mountain Smiths Conference XV



*Scott Lankton's drifts and punches are formed with the upset head. Instead of driving them all the way through he drives them far enough to allow the swell to slightly radius the edges of the hole. When he turned the work over the punch fell right out. Then he drove it in from the other side. The final result is a nicely radiused edge on both sides of the hole.*



*Bob Bergman's method of welding handles on power hammer tools holds up much longer than the more common method of welding the straight round stock at 90 degrees to the tool.*



*Bob Bergman's tool for slot punching a bar prior to drifting. Many of us drill a 1/8" hole at the end of the slot, then use a punch or chisel to cut between the holes. Bob's punch is sized to the bar to be punched (the arrow indicates the dimension that is the same as the bar—in this case 3/4") making it easy to get the slot centered without drilling the holes. Bob Machines these from H-13 and makes them available for a reasonable price.*



*Power hammer texture tool (top) and grooving tool. Also Bob Bergman's*

*Rod Pickett had an anvil with a bending tool built into the heel.*

*A pretty easy modification once you decided it was not a sin to cut away part of your anvil.*



*Reprinted from The Anvil's Horn, September 2005*



## Go for a Dip in the Tank! By Tom Rohosky

Most of you are probably aware that soaking an object in white vinegar is a great way to easily remove forging scale and rust. The vinegar will dissolve most of the scale or rust and significantly reduce the amount of time and effort needed to clean up your surface. I've been using this method for years on both forging and restoration projects.

It's pretty easy to do with smaller parts, but it becomes more of a challenge for larger items. What you need is a non-metallic container that's big enough to submerge the entire part all at once. Submerging the whole item is important. If you try to soak it in sections, you'll get visible lines because the vinegar also etches the metal a bit. A simple plastic bucket works well for small objects, but you'll need a better solution for larger items.

I made the fixture shown below to help me with this problem. The construction is very simple. It has a plywood base and a few two-by-four sections to make up the walls. The two-by-four walls are simply screwed to the base, so they can be moved to create a "well" of any size and shape needed. I also drilled a hole in one corner of the well for a drain.

Once I have a well sized for my project and screwed to the base, I line it with plastic sheeting. I use the cheapest plastic available. It doesn't need any significant strength, and it doesn't need to last more than a day or so. When I'm done with the soak, I put a bucket under the drain and poke a hole in the plastic to drain out the vinegar. (The vinegar can be reused several times.)

There are other approaches I could have used, but this fixture gives me the flexibility to soak a wide variety of item sizes and shapes while not using any more vinegar than I need and the cost was very reasonable. I only had to buy the plastic sheet, and I purchased a 10' X 25' roll for around \$10.00. This will last me a long time.

I've used this method a number of times--for big parts and small--and it has worked well for me. Give it a try.

*Note: You can purchase 5% acetic distilled white vinegar at Rural King for less than \$2.00 per gallon and can be used multiple times. When vinegar is "used" use it as weed control.*

*Left: Items fit in adjustable small well Center: Well lined with plastic Right: Same container extended for longer item.*



*This article was reprinted with permission from the newsletter of the Pittsburgh Area Artist-Blacksmith Association.*

**LEARN HOW TO MAKE YOUR  
LITTLE GIANT POWER HAMMER  
WORK HARDER THAN EVER!**

In 1991, Sid Suedmeier, having recently acquired the dusty remains of the Little Giant business, hosted his first Little Giant Hammer rebuilding class.

The class and Sid were taught by our good friend Fred Caylor of Zionsville, Indiana, at that time one of few authorities on these antique machines. As Fred grew older, Sid took over teaching the class, and has taught at best count 27 classes.

Sid sold Little Giant, the parts and repair business, to his long time machinist in 2013, and just this year the business made a move to our good and capable friends, David Sloan and Doug Klaus.

This 2 1/2 day class is a hands-on format. You will help transform a 25 LB Little Giant hammer from sloppy to sharp. This is the last class that Sid Suedmeier, intends to teach. He will be handing the reins over to David Sloan, who has attended at least 15 classes and has assisted Sid through the years.

An old style 25 LB Little Giant will be rebuilt during the class, and a new style machine will be on hand to demonstrate proper assembly and adjustment of both styles.

**IF YOU HAVE A LITTLE GIANT, THIS  
CLASS IS FOR YOU!**

No experience is required to attend this class. Past students have ranged from age 15 to 90, and from all walks of life. Anyone who wants to learn will benefit from this class. We approach the rebuilding process using tools that can be found in the average home workshop.

If you are in the market to buy a power hammer, this class will make you an educated shopper. If you already own a Little Giant, or any other brand of power hammer, this class will teach you how to get the best performance possible.

The class costs \$95, refundable up to 7 days prior to the class; advance registration is required. We will limit the number of students. The class starts at 9 AM sharp on Friday, and usually ends by Saturday evening. We will be available on Sunday until noon in case we encounter any exceptional problems in rebuilding, and to answer remaining questions.

When we receive your registration we will send you a city map, along with travel and hotel information.

**October 15-17  
2021 REGISTRATION**

Name: \_\_\_\_\_  
Business name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Email address: \_\_\_\_\_

**Since we no longer operate a business,  
payment needs to be by check or money  
order. Checks should be made out to Sid  
Suedmeier.**

**POWER HAMMER INFO**

Brand: \_\_\_\_\_  
Size: \_\_\_\_\_  
Serial Number: \_\_\_\_\_

*Please call or email if you have any questions, or  
prefer to register by phone. You can reach us at  
402.873.6605 or [Sidsshop@windstream.net](mailto:Sidsshop@windstream.net).*

*Sid's shop is located at 420 4<sup>th</sup> Corso, Nebraska  
City, NE 68410.*





## **Artist-Blacksmith Association of North America**

ABANA is widely recognized as the preeminent organization of blacksmithing in the world. Visit us online at **[www.abana.org](http://www.abana.org)** and like us on Facebook and Twitter. Join or renew your membership at: **[www.abana.org/membership](http://www.abana.org/membership)**.

The Arizona Artist Blacksmith Association is an affiliate of ABANA.

ABANA has moved its headquarters from Jonesborough, Tennessee, to Johnstown, Pennsylvania. Blacksmithing and the steel industry have played an important part in the history of Johnstown since the mid-19th Century. That makes it a fitting place for ABANA to call home. ABANA's new home is in the historic Pennsylvania RR depot where it will have offices, a gallery, a retail shop and a library. The Center for Metal Art is located in other historically significant facilities in Johnstown.



### **ABANA'S Education Committee announces the National Curriculum**

A model curriculum that provides a structured program of study to learn blacksmithing.

"We have some exciting news from the Education Committee; ABANA has fully adopted the National Curriculum (NC), based on the curriculum of the CBA (California Blacksmith Association). As our core mission is to perpetuate the noble art of blacksmithing, we recognize it's incumbent as a national blacksmithing organization, to share a successful and practical working curriculum with members, affiliates, and the blacksmithing world at large. What is the National Curriculum? The NC is a departure point for those that seek a structured program of study that can be used at schools, conferences, meetings, and individual shops through one on one, small groups and self-guided study. We present the curriculum as one way to learn blacksmithing, but certainly not the only way. From this set of goals, lessons, and benchmarks, smiths at any skill level can pick this up and continue their education. The curriculum provides the framework for the student to progress through increasingly challenging projects that focus on the skills expected of a journeyman smith, culminating with the [CBA] Level III Grille."

-- ABANA Affiliates Newsletter

### **Touchmark Registry**

"From discussions present and past, there is a growing need for a registry of touchmarks and signatures from our blacksmith community, not just ABANA members, but all smiths. I for one, have many examples of demonstrator's work, signed and some dated, but there are several which I do not recognize and cannot place a name to." - Frank Van Pelt, ABANA web administrator.

ABANA is building a touchmark registry for all blacksmiths, not just ABANA members. You can submit your touchmark or signature to **<https://abana.org/touchmark-registry/>**



# Classifieds

Classified ads are free to members and can be submitted by email to: [editor@azblacksmiths.org](mailto:editor@azblacksmiths.org). Ads will run for 3 issues. You can renew your ad if you need to run it after the third issue. Please let the editor know when you no longer need to run the ad. I am including photos, but, if space runs short, photos will be dropped as needed beginning with the oldest..

**Will buy your unwanted blacksmith or horseshoeing tools and supplies.**

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

## For Sale

- 1 **Nazel 2b Forging hammer** with 3-phase motor, dies, and oiler, \$13,000.
  - 1 **Little Giant 25 lb. power hammer**, single-phase. \$2,500.
  - 1 **Little Giant** (not the one above) 25 lb. power hammer, single phase. \$3,000.
  - 2 **5'x5' Acorn type platens**, \$2,500 each or \$4,000 for both.
  - 4 **Post Vises**. Jaw widths: 4" for \$150, 4 1/2" for \$150, and two 6" for \$350 each..
- Note: these are rusty and will need to be cleaned and lubed.
- 1 **P&H 300 amp Stick/TIG welding machine**, single-phase w/ foot pedal, no leads, torch, flow meter, or bottle. \$300.
  - 1 **Cincinnati/Greeves** Vertical/Horizontal milling machine, w/ 10"x54" power feed table and tooling, 3-phase. \$1,500.
  - 1 **3-ton air-powered crane hoist**. \$450

All items are located in Buckeye, Arizona. These prices include loading onto your trailer/truck. I can offer curb-side delivery for an additional fee.

Contact: [jaegermax@msn.com](mailto:jaegermax@msn.com)  
Please put "AABA Equipment" in the subject line so I don't delete it as junk.

## For Sale

230 lb. Kohlsua anvil, model B36, with steel stand. Double horn, side plate, and upset block. Like brand new! \$1,000.00. Call Brian Hughes, **928-717-8247**, in Prescott.

## 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.

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## Bituminous Coal from the King Coal Mine in Colorado.

Burns great! \$30 for 50 pounds  
Pick up near Tanque Verde and Houghton in Tucson.  
Casey Abbs, **520-869-8778**

## Gas Forge Building Workshop

Richard Rozinski is offering gas forge building workshops in his shop in Gilbert. Two person minimum. Call Rich for scheduling prices. **602-803-7255**



## For Sale

Titanium Tongs - All sizes and shapes, 50 pairs. Get them while they last. \$100 per pair.  
Bernhard Heer, **715-205-8786**

## Basic blacksmithing and metal forming workshops

Richard Rozinski is offering basic Blacksmithing and metal shaping work shops in his studio in Gilbert Arizona. Class sizes and complexity vary. Class topics range from basic blacksmithing, copper vessel raising, pewter construction and abstract sculpture fabrication.

For details text or call  
**602-803-7255**

## For Sale

**Wrought Iron.** 1 1/4" x 5" x 48".

I have a few. \$100 ea.

**Coal Forge**, comes with some coal. I can text photos. Price is negotiable.  
Dan Jennings, **480-510-3569**

## Sources

### AZ Tool Steel

520 S. 52nd Street #201  
Tempe, Arizona 85281  
Phone: 480-784-1600  
Toll Free: 877-795-1600

### 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  
[www.barubar.com](http://www.barubar.com)

### IMS

Full service supplier of steel, stainless, brass, aluminum, copper. Discounts for AABA members. (See details on pg. 18.) 5150 S. 48th St., Phoenix 602-454-1500 3757 E. Columbia St., Tucson 520-441-5900

### 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! 12129 W Peoria Ave, El Mirage 602-944-2000

### Old Globe Reclaimed Wood Co.

Wrought iron.  
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### 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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[www.piehtoolco.com](http://www.piehtoolco.com)

### Say-Mak Power Hammers

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### Southern Arizona Farrier Supply

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[www.southernarizonafarriersupply.com](http://www.southernarizonafarriersupply.com)

### 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.

### Superior Steel Stamp Co.

Precision engraved, industrial grade stamping and marking products for any application. Brass dies for Hot Stamping Wood or Leather. Hardened Tool Steel Stamps made for marking stainless steel, forged knives/blades much more. 3200 Lakeside Ave E, Cleveland, OH 44114 216-431-6460 Industrial marking  
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Makers  
[www.stampyours.com](http://www.stampyours.com)  
For either, contact  
[Sales@superiorsteelstamp.com](mailto:Sales@superiorsteelstamp.com)

### Tire Hammer Plans by Clay Spencer.

Send \$30US (PayPal) to [clay@tirehammer.com](mailto:clay@tirehammer.com). Or send check/money to Clay Spencer 73 Penniston Pvt. Dr., Somerville, AL 35670. I can mail a copy or email PDFs.

### 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

## AABA Membership

Benefits for members include:

Member discounts at vendors around the state: See page 18 of this issue for more details.

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 Membership Form: New Member ☐ or Renewal ☐

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

☐ Do not publish

Phone (home) \_\_\_\_\_

(mobile) \_\_\_\_\_

☐ Do not publish

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**

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**Attn: Bill Ganoe**  
**P.O. Box 40233**  
**Tucson, AZ 85717**  
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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 \$35 for individuals; \$40 for families and includes a subscription to the *The Anvil's Horn* for one year. Every attempt has been made to ensure 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 organization 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: Bill Ganoe, P.O. Box 40233, Tucson, AZ 85717, Tel: 520-326-5478, or [editor@azblacksmiths.org](mailto:editor@azblacksmiths.org).

For membership information or address change, contact:  
Terry Porter, 2310 E. Melrose St., Gilbert, AZ 85297, 480-988-2070, [trp555@prodigy.net](mailto:trp555@prodigy.net)