



August 2008

The Florida

Clinker Breaker

Florida Artist Blacksmith Association - Established May 18, 1985

Editorial Musings

Steve Bloom

Rex didn't send anything in this month, so it's up to me. First the good news - the teaching trailer is progressing. As is typical of most smithing projects, I'm making something out of nothing -- but it helps to have lots of nothing! Hippie Pate contributed the skeleton of a trampoline, lots of bed frames, a stack of 1' x 8' expanded metal assemblies, and whatever else I could throw in my truck when Hippie wasn't looking. Lester Hollenbeck found a pile of stainless steel plate some time ago and I acquired an 8' length of 6" wide x 3/8" thick and a 7' length of 5" wide x 3/8" thick for a very reasonable contribution to the Pioneer Settlement.



The forge pots started as 5 pieces cut from the stainless plate with the help of Ben Rogers' plasma cutter. They were tacked together as shown and welded with stainless rods (contributed by a FABA member whose name I managed to miss - my bad!). The angle was 27 degrees, the bottom was 5" x 6" and the sides were 4" x 10" and 4 x 8.25". When assembled, the pots are about 3.75" deep. The difference of 1" (cutting 4" from the 5" wide plate) was welded on to the tops of the long sides as lips so that the pots can hang in the forge frames.



The tuyere downpipe was mild steel 5" long x 3" square (1/8" wall) and I got to use my new toy - a Bridgeport clone - to mill the ends square and flat. The horizontal section was a 4" of 3" diameter black pipe. The pipe was cut with a Rigid pipe cutter, so squaring wasn't needed.

What was needed was a hole in the downpipe slightly smaller than 3" in diameter. The solution was -- of course -- a jig. A piece of 2.5" pipe had a disk welded to one end and a centered 1/4" hole was drilled (Ok - I just happened to find a disk of the right size from a sheet I had attacked with a hole cutter some time in the past ..picky, picky). The closed end was positioned over the square tube and a transfer punch was used to mark the spot. A hole was drilled there and then the jig was flipped over and held in place with a 1/4x20 bolt. The jig then acted as a guide for the oxy-propane cutting torch and - voila - a hole of the right size and in the right location.



The two sections were welded together using a simple clamp arrangement as shown (lower right) to yield the assembly shown directly below.

(continued on Page 7)



Upcoming Events

The calendar includes events of interest to the blacksmithing community. The regions have no boundaries - everyone is welcome everywhere. Come to more than one if you can. We hold regular meetings in each region on the following Saturdays of each month: NE-1st, NW-2nd, SE-3rd, SW-4th except for quarterly Statewide meetings. The actual dates vary so check the schedule below. Our meetings are informal gatherings around the forge. Prospective members are always welcome. Come for all or any part of a meeting, bring your tools or just watch. Most meetings run from 9AM to 4PM and you'll need to bring lunch if not otherwise noted. If you have any questions about meetings, please contact the Regional Coordinators:

Northeast Region	Ken Knight	352-339-0629	Ironken@AOL.com
Northwest Region	Billy Christie	850-421-1386	chriswoodforge@embarqmail.com
Southeast Region	Ed Aaron	561-748-9824	

edaaaron9824@bellsouth.net

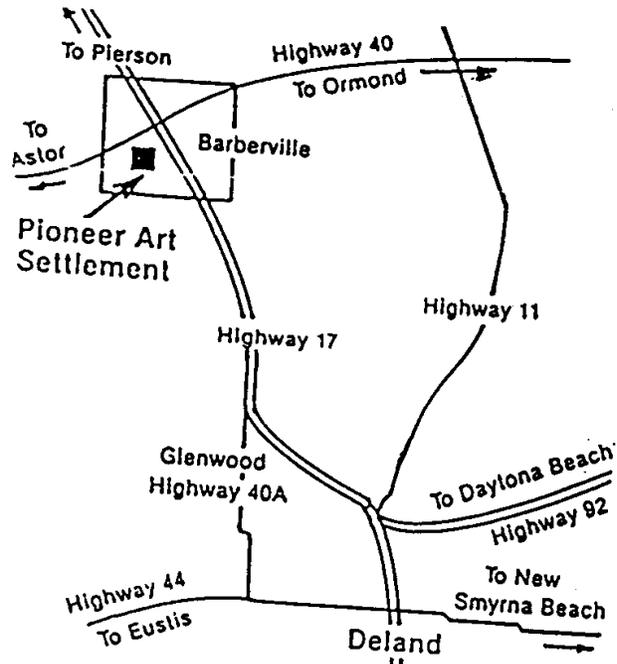
August 2008

NE 02 Barberville

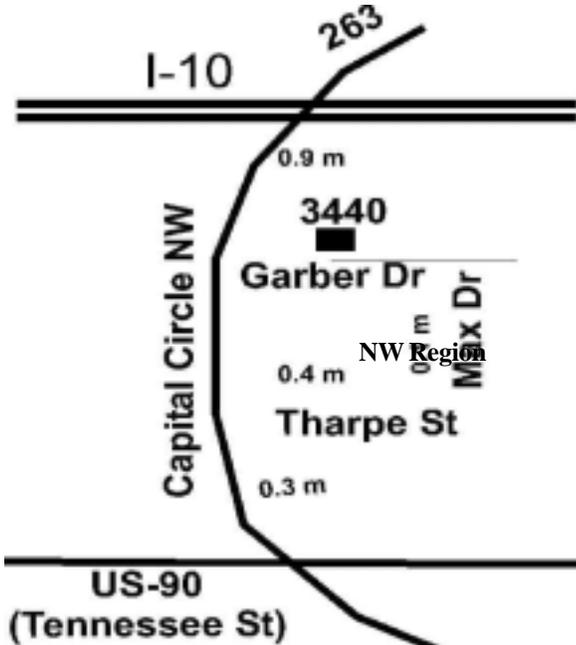
NW 09 Mike Bettinger's Welding, 3440 Garber Drive, Tallahassee, FL. Mike will be demonstrating his new C & C Plasma Torch system along with his new power hammer techniques that he learned in Uri Offi's class. We are going to be having a CNC Plasma cutter demo, FAB CAD demo on designing gates and handrails and a forging demo on making a wine holder. We are also going to be providing a BBQ lunch.

SE 16 Until further notice-Tanah Keeta

SW 23 Wolfe Forge - Making a Ringling Museum grill.



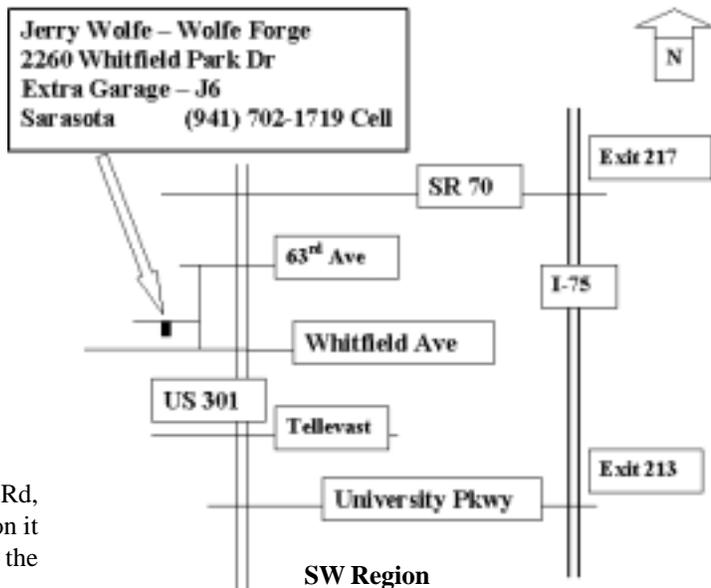
NE Region



Mike Bettinger Welding
3440 Garbpr Dr, Tallahassee

SE Region

Boy Scout Camp: from I-95 exit go east onto Indiantown Rd, go north (left) onto Island Way (1st traffic light). Stay on it until it ends at Country Club Dr. Go left—it ends at the entrance to Boy Scout Camp.



SW Region

Future Events

Nothing in the queue -- coordinators might want to take care of this.

Report from the Northwest

Billy Christie

The NW Region held its June 14, 2008 meeting at Jim & Ann Hartman's Forge in Perry, Florida. It was a beautiful day in paradise with high temperatures and scattered afternoon showers. There were 26 signatures on the sign-in sheet.

The day started out with Jim demonstrating how to use his #238 Ring & Arch Roller. This is a floor mounted pedestal machine that uses 3 rollers to bend metal. Built inside the pedestal is a hydraulic jack that can raise & lower the two outside rollers which will then determine the amount of bend or arch that is formed. The stationary center roller is attached to a big wheel that you turn to push or pull the stock through the rollers while bending to the desired shape. Jim stressed that your layout is very critical, if you bend it wrong it is very hard to correct. As Bob Villa says "measure twice and cut (or bend) once." Jim and his assistant, Charlie Pinson, used the machine to bend the two outside frames for a heavy duty, commercial park bench they were working on. These frames were made out of 2"x 5/16" flat bar. These frames were bent one at a time into a modified S curve and it was all done cold. The machine could also roll up to 1/2 "square stock into as small as a 12" circle. Very Impressive!

The "Iron In The Hat" went well, bringing in \$99.00. Thanks Ester Gurr and Jake Wallace for your help.

Lunch was scrumptious. There was more than enough to go around. A BIG thank you goes out to Ann & her helpers. Thanks to Jim & Ann Hartman for continuing our tradition of interesting and educational meetings.

Happy Hammering!

P.S. Don't forget the meeting at Mike Bettinger's (see pg.2) Don't forget your "Iron In The Hat" items and a covered dish (BBQ provided).

Report from the Southeast

Ed Aarons

Eight people showed up at our June 21st meeting. We attempted to get our storage shed organized and with an offer of shelving parts from the Boy Scouts we were able to get a start on a row of shelves. We just need another or 2 work days and we might be able to find things. Boy, is it hot trying to work in the shed, we need cooler weather.

At the end of the Scouts Summer Camp, we will have instructed over 50 scouts in the blacksmithing option of earning their Metalwork Merit Badge. It is difficult to recruit instructors during the week and during the summer. Peter Brandenburg, Sarah McMurray and John Struther has helped instruct these past weeks. THANKS.

Any ideas about what you'd like to see happen or demonstration ideas or desire to host a meeting, just email or call me - 748-5824.

Report from the Southwest

Jerry Wolfe

The June 23rd meeting was held at Wolfe Forge. We had fourteen in attendance with four visitors from Ringling Art School. The demo item was a small historical anchor. The inspiration came from the demo at Madison by Corrina Mensoff and the sculpture project. The anchor was made from a 5/8" square bar of "PURE IRON" and some old wrought iron obtained in the Tarpon Springs bay. The forge welding proved to be a bit more difficult than expected. More practice needed. The day was HOT and proved the old adage - drink lots of water. Before the main demo, Trez Cole demonstrated making a letter opener including forge welding.

HELP NEEDED - Who would like to host the September 22nd meeting?

Editorial comment: Jerry sent the following pics -Anchor, AnchorDetail, Trez - Trez Cole making a letter opener but somehow I got pictures of Phil Pauley's demo reported in the last issue. Never one to pass up filler, I'll run them here and maybe run the anchor pics in the next issue. There was also a 5hp Ingersol-Rand compressor for sale but that info went missing too. If interested, call Jerry. Maybe by next issue, I'll figure out what happened! In any event, here's the pics of Phil Pauley and joinery.





Francis Whitaker Blacksmithing Scholarship at John C. Campbell Folk School

Two paid scholarships for tuition will be awarded for the Traditional Joinery Projects Class taught by Clay Spencer October 26- 31, 2008.

For more information about this class go to: http://www.folksschool.org/index.php?section=class_detail&class_id=2414

Students must be intermediate to advanced skill level and will be responsible for their own meals, lodging/camping, materials and fuel fee.

Application Requirements

1. Describe your blacksmithing training/experience: any classes, demonstrations, jobs, commissions, craft shows, work at your forge, etc.
2. Several photos of your work.
3. Drawing of the project you propose to do in class. It should be to scale showing stock size and joinery, no MIG or arc welding in project.
4. Goals for your blacksmithing, briefly.
5. Why you need scholarship help, briefly.

Send to:

Clay Spencer; 73 Penniston Pvt. Drive
Somerville, AL 35670; clay@otelco.net.

You may call 256-558-3658 with any questions.
Application must be received by Sep. 15, 2008.

Alabama Folk School-Blacksmithing Classes

Many of you are probably not yet familiar with the Alabama Folk School at Camp McDowell. We are located in Nauvoo, AL which is between Jasper and Double Springs. Camp is situated on 1100 beautiful acres of canyons, forests and waterfalls! Camp McDowell has been here since 1948, but the folk school branch was only started about a year ago. We offer week and weekend long classes for adults to come learn a new craft/trait or practice one they already know. We offer classes in everything from blacksmithing, painting and pottery to storytelling, music and dance! This summer we have several weekend blacksmithing classes I would like to bring to your attention.

July 18-20 and July 25-27 :“**Blacksmithing for Fun: Beginners-Intermediate**” taught by Allan Kress. Interested in learning basic blacksmithing skills for fun or knowledge? This is the class for you. You will be introduced to basic skills such as drawing out, upsetting, spreading, twisting and much more. You will complete a number of small projects: hooks, rings, fire poker and much more. **Bio:**Allan has been a full

Notices, For Sales & Want-Ads

BLACKSMITH COAL

\$26 per 100 lb bag (Pickup only) - Pioneer Settlement, Barberville, FL - Call for details: 386-749-2959 - www.PioneerSettlement.org (Note price change - up from \$22 - info thanks to Bob Mancuso)

To help answer "Where do you get coal?". Here is another source that was supplied by Sarah McMurray. Bar K Blacksmith Supply in Zephyrhills is offering 100 lb at \$18. Contact Kim at 1-800-800-2023.

time blacksmith since 1994. He lives in Baileyton, AL where he creates custom ironwork that he sells around the southeast at arts and crafts shows. Since 1996, Allan has been teaching and demonstrating all around the country. Extra supplies fee: \$20

August 1-3: **“Beyond the Basics”** taught by Allan Kress. In this class you will learn more of the basics of blacksmithing. You will discover how to take simple steel rods and make elegant creations. As a student you will make a candleholder, 2 arm hanging lights and an ornate wall plant hanger. There will be more if time is available. Beginners to intermediate are welcome! Extra supplies fee: \$20

The price for a weekend class is:
\$190 if you are a local (this cost includes your tuition for the class and lunch on Saturday and Sunday).
\$250 for a double room (covers food, lodging and tuition)
\$300 for a single room (covers food, lodging and tuition)

If you are interested please email or call me for more information! We also have a folk school mailing list if you would like to be updated on our classes and when the happenings of the school. Space is limited so the sooner you register the better! For complete list of classes and prices you can visit www.campmcdowell.com/FolkSchool or email for a brochure.

Megan Huston, Director
Alabama Folk School at Camp McDowell
205.387.1806 (office); 205.221.3454 (fax)
www.campmcdowell.com/FolkSchool
105 Delong Rd.; Nauvoo, AL. 35578

Articles of Interest

FORT DELAWARE - Bob-Mancuso

Fort Delaware in Narrowsburg, NY is a reproduction of a fort that was built during the middle of the 1700s. It consisted of the stockade, three cabins, blockhouses, candle shop, blacksmith shop, animal pens, and support areas. From early May until late June school groups visited the fort to learn about the history of the area. Bob Mancuso (a FABA member) was their blacksmith for this period as well as several weekends. During this time he demonstrated blacksmithing and explained how important the smith was to the people during this time period. Zach Smith, a fifteen year old high school student, also worked at the fort as a trainee in blacksmithing. As he learned the necessary skills he made several pieces for his family as well as a few pieces that were sold in the gift shop. From the end of June until Labor Day weekend the fort is open to the public Friday thru Monday. When Bob returned to Florida Zach became their blacksmith and would work the four days for the balance of the summer. Zach lives on a farm and Bob was told by Zach that he was

trying to set up a blacksmith shop of his own. Zach located an anvil on the farm so he is on his way. Boy Scout Metalwork merit badge with the blacksmith option was also achieved by Zach with Bob's help. Bob is a registered member of Central Florida Council, BSA as a merit badge counselor and looks forward to helping other Scouts with this task.

Book review: Mel Wilber

The Blacksmith's Craft: A Primer of Tools and Methods, Charles McRaven, Storey Publishing, 2005.

This was first published in 1981 as County Blacksmithing.

This book is written in a folksy manner and many times in the first person as he describes the methods and procedures in blacksmithing. It has lots of discussion on the specific topics that provides a better understanding to the techniques, materials and tools used in the blacksmithing procedures. Like many blacksmithing books, he starts with acquiring or making the tools necessary in starting the smithy. As he states many of these items start with 'junk' that should be readily available at minimum cost.

He makes use of many pictures and drawings that provide a good understanding of the discussion through out the book. Unfortunately, the pictures are in black and white versus what is available now with the latest computer technology (originally published in 1981). What I find most interesting is his providing the consequences for improper materials and methods on certain procedures.

He often refers to other craftsmen, books, and authors, giving them credit for their ideas and methods.

Some discussion items in the book are:

Hammering at dark red may cause surface cracks in the steel. He uses ¼ inch tool steel rivets in his tongs as it allows for more metal around the pin hole.

Upsetting by bending the material in a right angle where you can use the anvil to back up the upset. This was credited to Bob Patrick.

A good amount of information was given in the hardening and tempering chapter. His advice is to test for the carbon content prior to forging the piece. He gives an example where he used the wrong carbon content steel and the piece shattered when used. Following is a short paragraph from the book worth noting on tempering: "Remember that contrary to just about every set of directions in print, the tempering color chart doesn't tell you a thing about the state of the tempering unless you know the carbon content of the steel, and unless you've heated to the optimum quench temperature in the proper medium (cold water, hot or salt water, or oil)."

In addition to his blacksmithing, he was involved in restoration work and forged various tools for that use. These

included broad axes, stone hammers, steeling axes, draw knives, cant hooks, and other items of which he provide information on their manufacture/creation.

There were several listings for this book on eBay, one of which was for \$8.96 plus shipping and handling. I find that this is a book that warrants being read and included in your personal library.

Letters to the Editor

Comments on Demonstrators

We are currently in a golden age of ironwork. Blacksmithing is more popular than it has been in a very long time. We are so lucky to have a solid base of retirement age blacksmiths who are world renowned for their contributions to modern blacksmiths. They are still alive, mostly working, and eager to give back, travel, and feel first hand the magic of knowing how important they are to us. We also have more young blacksmiths, and professional blacksmiths than we have had in more than eighty years.

I have tried the best I can to use these great circumstances to learn and promote blacksmithing. I could have had Terry Clark and Peter Parkinson demonstrate at my house this coming year. They offered! They said they love to give back and only need enough pay to not go in debt while coming here. How many people in our group know who they are? Though not as well known, they have contributed far more to modern blacksmithing than our golden child Albert Paley. We dont know Tom Clark or Peter Parkinson because we live in a very small blacksmithing world here in Florida. The blacksmithing world is small enough. If never learning anything, or learning really slowly is our goal, than inviting the same local blacksmiths every year to show us what they have either learned or discovered since the last time we saw them is the best way to do it. These people we bring in often have gone to great lengths to learn and be better smiths. But we can't limit our own opportunities to this pace. When these people come the first time, we learn from them. We evolve after seeing these guys, and pass these ideas on at local meetings. Bringing in new ideas will dramatically fascilitate this system of logging skills and passing them on to the younger smith, or smith that is not ready use what they have witnessed.

Getting great smiths needs money, fascilities, and a few phone calls. I would be more than happy to make the calls. I will not ask any smith I want to see to come and demonstrate on inferior tools and no real powerhammer. Do we want to see great contemporary smiths? Are we happy with a blade guy and a traditional guy? I think I know the answer, but I hope I am wrong. The modern smith is a vital component in our blacksmith world. He is not really represented in our meetings. This could be a market that FABA is missing out on that will bring in new energy and expand our appeal.

I very much appreciate all that FABA does for us. I think if we are not obviously moving foreward, we might be moving backwards. I for one cannot pay this kind of money for a social event. I love the people I meet up with in Barbeville, but I need to justify the time off and expense by knowing I will learn something.

I cannot hold a position in FABA, but I could help with contacting potential demonstrators. Let me know if you need this help.

Sincerely, Eric Velleca

Editorial Response -- Steve Bloom

I would like to echo Eric's comments. I sent the following to the Board members when I saw the line-up for 2008.

-----text of e-mail sent June 12,2008-----

I've just looked over the lineup for 2008 and feel obligated to blow off some steam. Years ago, when I became Program Chair, FABA fought an internal debate about the direction of the conference. At that time, demonstrators (two) were drawn locally. attendance was low - both at the conference and at the actual demonstrations. After a good deal of debate, we went to three demonstrators - big names - like Peter Ross or Jerry Durnell The logic was to spend a bit more and get a lot more back and the formula worked. We now appear to have reverted to the old pattern.

This is NOT a blast at Mark - I've been there and I know the problems and headaches first hand. Mark was asked to hit the ground running months after the Chair should have been aggressively moving, so you do what you can do. BUT I think the Board needs to seriously examine the pattern! We ask members to pony up a few bucks to get in but also to spend significantly more on motel/hotel rooms, food and transport. I would expect the budget for most is now shoving \$150+ for room, \$100+ for food and \$100 or more (at \$4/gallon) for gas - a bite that nears \$500. We have to offer more than a look at folks we have seen before. Edgar has demonstrated many times and Lewis is not a "big name" (not that I couldn't learn something from him). The conference should be more than just a social event with tools sales.

Frankly, I don't see anything at this conference that would induce me to spend the bucks other than the social and obligatory aspects as a Board member. We have got to do better. I've asked for member feedback concerning micro demos (though only one has responded - and that luke warmly - Editor) . We NEED to have something to justify attendance. We are not going to generate revenue and get our members cooking by offering the same old thing in smaller portions. 2008 is now quasi-writ in stone (—not a reference to Mark, BTW) but we absolutely need to move on 2009. Why not a mosaic Damascus/powder metal man (talk to Steve Schwartzer for names). What about a smith from a historical site — Peter Ross can't be the only colonial smith out there.

I strongly suggest we start by creating a demonstrator committee - a standing unit appointed by the Prez to generate a list of possible demonstrators and act as a resource/ advisory unit to the Program Chair. Those folks will have to have a clear vision of what we want. Are we going to stay with 2 quasi-local, been seen before demonstrators or are we going to reach out? I personally would pony up more bucks to get in if there was something going on that I wanted to see and I doubt that I'm alone in that attitude.

We can hassle this at the Board meeting but it needs some thinking and discussion before then. What we're doing now is a pale imitation of what we've done in the past

-----text ends-----

There has been a decided lack of interest expressed by the membership on many topics. To date, one person has responded to the concept of the mini-demos, one person expressed an interest in a coal forge workshop, and no one has asked about classes or special events. The Board can not do it all. Without feedback from you, the membership, I, for one, find it harder and harder to summon up the energy. FABAs is *your* organization. not the Board's or the

Coordinators. We need you to tell us what you want. If you are content with a small, cheap conference, tell us. If you want more, tell us.

From Page 1

The tuyere sections were finished with a sliding ash dump and some attachment "ears".

The forge frames are 15" x 22" units with 1.25" pipe corners (two shown on the trailer frame). The legs are 32" pieces of chain-link top rail.

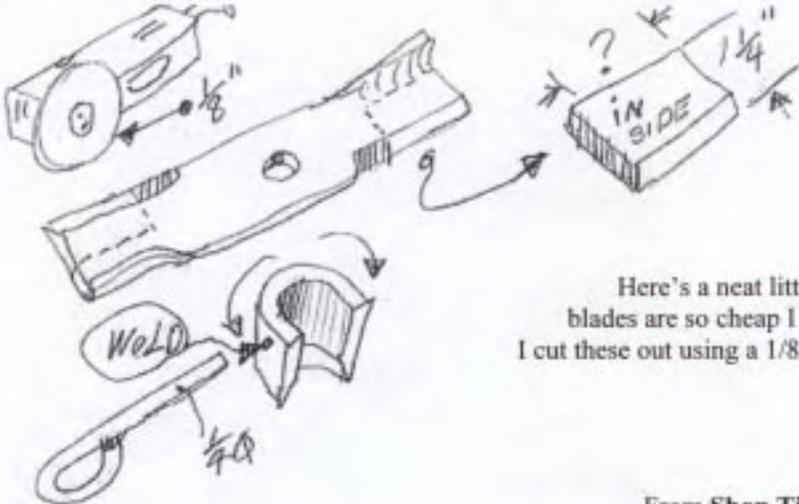


What's next is paint, fenders, blowers, and a host of things I haven't gotten to -- but will - by the next issue.

We need a wheel/tire from a Chrysler Minivan as a spare. Contributions welcome!



National Pipe Sizes								
NPS	OD (inches)	Wall Thickness (inches) (S=Schedule)						
		S-5	S-10	S-30	S-40	S-80	S-120	S-160
1/8	0.405	0.035	0.049	0.057	0.068	0.095		
3/16								
1/4	0.54	0.049	0.065	0.073	0.088	0.119		
3/8	0.675	0.049	0.065	0.073	0.091	0.126		
1/2	0.84	0.065	0.083	0.095	0.109	0.147	0.17	0.188
5/8								
3/4	1.05	0.065	0.083	0.095	0.113	0.154	0.17	0.219
1	1.315	0.065	0.109	0.114	0.133	0.179	0.2	0.25
1 1/4	1.66	0.065	0.109	0.117	0.14	0.191	0.215	0.25
1 1/2	1.9	0.065	0.109	0.125	0.145	0.2	0.225	0.281
2	2.375	0.065	0.109		0.154	0.218	0.25	0.355
2 1/2	2.875	0.083	0.12		0.203	0.276	0.3	0.375
3	3.5	0.083	0.12		0.216	0.3	0.35	0.438
3 1/2	4	0.083	0.12		0.226	0.318		
NPS	OD (inches)	Internal Diameter (inches)						
		S-5	S-10	S-30	S-40	S-80	S-120	S-160
1/8	0.405	0.335	0.307	0.291	0.269	0.215		
3/16								
1/4	0.54	0.442	0.41	0.394	0.364	0.302		
3/8	0.675	0.577	0.545	0.529	0.493	0.423		
1/2	0.84	0.71	0.674	0.65	0.622	0.546	0.5	0.464
5/8								
3/4	1.05	0.92	0.884	0.86	0.824	0.742	0.71	0.612
1	1.315	1.185	1.097	1.087	1.049	0.957	0.915	0.815
1 1/4	1.66	1.53	1.442	1.426	1.38	1.278	1.23	1.16
1 1/2	1.9	1.77	1.682	1.65	1.61	1.5	1.45	1.338
2	2.375	2.245	2.157		2.067	1.939	1.875	1.665
2 1/2	2.875	2.709	2.635		2.469	2.323	2.275	2.125
3	3.5	3.334	3.26		3.068	2.9	2.8	2.624
3 1/2	4	3.834	3.76		3.548	3.364		



Simple Radius Hot Cuts

By Steve Alling, Romeo, MI

Here's a neat little trick that I use. Old lawn mover blades are so cheap I usually only use the sharpened end. I cut these out using a 1/8" disk in a side grinder.

From Shop Tips- Hammer's Blow Winter 2005

Shop Hints

by Mark Manley

I like to make simple measuring gauges (similar to the one drawn here) when I need to have uniformly forged parts.

I prefer using 1/8x1/2 inch flat bar (though any flat bar will work) cut to length with a short 1/2 inch 90 degree leg bent at one end.

Along the length of the bar I mark out a series of reference points pertaining to a particular forging. These marks can be made in any number of ways: grinding or filing notches into the side of the bar; a filed or chiseled line across the bar; or a drilled hole.

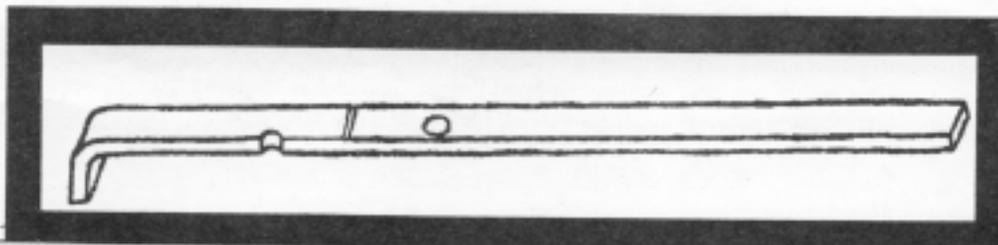
A Simple Measuring Gauge

Tuyere - Nov-Dec 2005

I like to use a drilled hole to reference where I would like to place a center punch mark on a forging. This way I can simply lay the gauge on top of the piece and center punch through the hole. I will usually stamp some reference data next to each mark such as dimensions or forging operations to be performed.

Some identifying data on the handle to reference the forged part is also a good idea.

I find gauges like this to be very useful when forging cabinet hardware, or parts for a grill with a repeating pattern where it is desirable to have consistent forgings.



Make a Spring Rope Swedge

This is my way and it is by no means the only way. I use a piece of $1/4 \times 1 \times 33''$ and two pieces of $1\ 3/4'' \times 1\ 1/4'' \times 1''$ of 4140, mild steel would last for a long time, but I had 4140 on hand.

Weld the two blocks on the ends of the long piece. Make sure you get good penetration of the weld and use plenty of rod.

This swedge is for $1/2''$ sq. stock.

To make the dies weld the $1/4''$ rod together and grind flat on the back. Heat one of the blocks to a good orange heat. If you don't have a treadle hammer or power hammer get some one to strike for you. Use a flatter so you get a good eve impression. Drive the rods flush with the top of the block. It will automatically give you the draft angle. Now weld the 4 pieces of $1/4''$ round to finish the other block. I use a long enough rod so I can have one on each end. Weld two sides and grind flat, leaving the crease on opposing sides. Bend the long piece so the blocks match up.

Heat the new block to orange, leaving the other block cold. Locate the 4 rods in the crease of the cold block and drive the blocks together using a flatter. Round off the edges where the rods sank into the blocks.

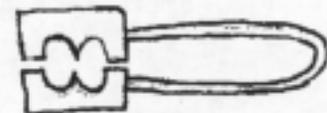
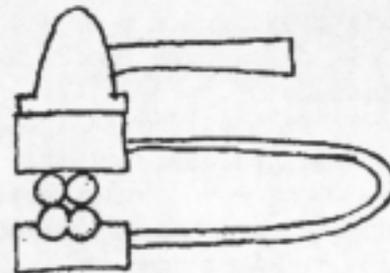
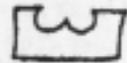
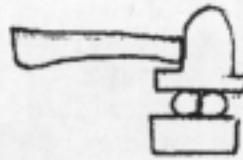
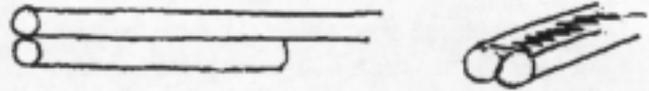
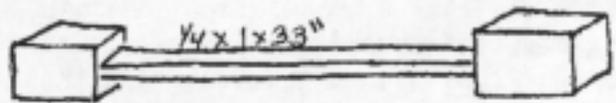
You never want the sharp edges on a tool unless it is used for cutting.

To use the swedge, heat a $1/2''$ square bar. Put it in the swedge and drive it down.

Turn it 90 degrees as you drive it together. Don't try to drive it together without turning it several times. Your bar should look like this. When you twist it will look like a rope.

Hope You can understand this—
Ken Dettmer.

From the Indiana Blacksmiths,
The Forge Fire Newsletter, October 2005



The Florida Artist Blacksmith Association (FABA) is a 501(c)(3) non-profit educational organization whose purposes are to teach, promote, and preserve the art of blacksmithing. Contributions are tax-deductible to the extent provided by law. FABA publishes the Florida Clinker Breaker monthly, and FABA membership includes a subscription. We solicit correspondence and unpaid articles on any subjects related to FABA's purposes. ABANA chapter newsletters may reprint non-copyrighted material if it is credited to the author and this newsletter. You need the publisher's permission to reprint copyrighted material unless otherwise noted.

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Florida Artist Blacksmith Association, Inc.
 Founding member Southern Blacksmith Association.
 Date _____ New Renewal

Name _____
 Address _____

 City State Zip
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Send application & a membership fee of \$25.00 to

Juan Holbrook, FABA Treasurer
 6418 NW 97 Court
 Gainesville, FL 32653

Make check out to FABA. Your FABA membership begins when we receive your payment and lasts one year. Membership is for a family.

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August 2008

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