



Magnolia Plantation and Garden was the setting for our April meeting with Jody Durham performing our demonstration on a beautiful spring day. Jody was a recipient of a PSABG scholarship for a class at John C Campbell Folk

School recently on European Motifs, the art of chasing metal to decorate it's surface instructed by Ernie Dorrell and assisted by Clay Spencer. This type of decorative metalwork was popular in Europe during the renaissance period, you see it on the fancy metal hardware in their cathedrals, homes, etc.

The first part of this class was dedicated to making an assortment of tools with S7 tool steel, these would be used later to chase the patterns in the metal using a hand hammer or treadle hammer. Jody said that after they made the tools they heat treated them using water as a quench medium, S7 is not normally quenched in water but it worked out quite well for these tools (Just don't harden the struck end of the tool it's dangerous!).

Jody went on to described / demonstrate the process, how to do pattern transfer using a copied pattern and gluing it to the piece you want to decorate also marbling the surface of the metal in the coal forge. He decorated a thickness gauge and showed us a hacksaw he had made in the class. Jody also made placards for the Phillip Simons Tribute Gate with a palmetto tree and PSABG chased into the surface, quite professional looking and a very nice addition to the project. Thank you Jody!

Our hosts for this meeting were Ray Pearre and Bill and Lynda Creek providing fried chicken, baked beans and pasta salad with the rest of the

Guild bringing sides dishes and desserts. Good day, good food, good friends, thanks to everyone that participated!

The Southern Blacksmith Association meets next week in Madison GA, May 18-21. The newsletter won't reach you before this event occurs but it's important that you are informed about and have some understanding about how it works. It has been the honor of the PSABG to head up the planning and execution of activities for this event, also to build the frame for the Philip Simmons Tribute Gate. The other Guilds will add a ring with a Simmons motif representation.

Our own Mike DuBois is the president of the SBA and has worked for the last two years along with members of their board to get everything ready for the event. If you get a chance thank him for his hard work and dedication, sometimes getting consensus for planning an event like this is like herding chickens, it is both rewarding and frustrating at the same time.

We as members of the SBA have to provide a person to head up the board every seventh conference as there are seven member groups in the association. Think about it, it could be YOU next time. Anyway, it is a great way to explore our ancient craft, buy tools, meet new friends and buy tools (I know I said it twice cause I like tools).

Attendance: about 45

The Iron in the Hat garnered \$584.00 for our scholarship and education funds. As always, thank you to our generous members who donated and to all who bought tickets and took home the goods! New members: Brian Bianchi, Jason Charlton, Derice Hochstetler, Returning former members: Tracy Hartfield, Zach Liollo. Welcome to one and all!

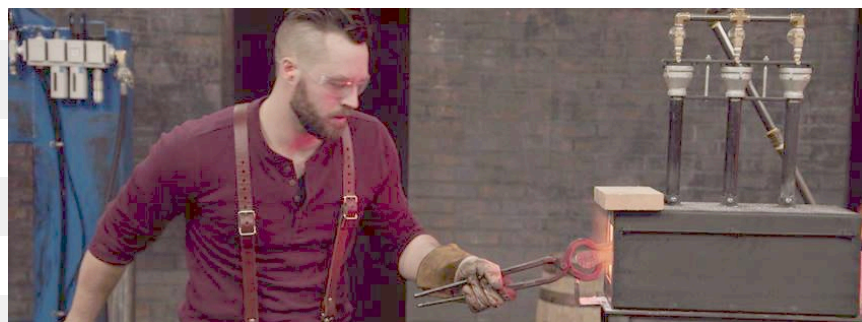
For those of you who habitate the underside of a rock, Josh Weston won last week's Forged in Fire! He took all the money and showed his wife a good time in Germany! Smart man... Josh's picture is below the Iron-in-the-Hat list on page 2.

Thank you: for your support, Jesse

Iron In the Hat

Item	Donated By	Won By
Small Table Base	Jerry Green	Heath Williams
Forged Tomahawk	Sheldon Browder	Bill Kirkley
Wire Brushes	Blackwell Hardware	Jesse Barfield Bill Creek
Class Test Pieces and Scroll Jig	Sheldon Browder	Joe Marsh
Madison Gate Test Pieces	Jesse Barfield	Wiley Hatfield
Madison Gate Test Diamond	Jesse Barfield	Barry Myers
Madison Gate Test Scrolls	Jesse Barfield	Charlie Meyer
Scroll Wrenches	Jesse Barfield	Bill Kirkley Jack McCoy
Shovel with triangular twisted shaft	Bill Creek	Heath Williams
Leaf Pro Collector	Jesse Barfield	Jack McCoy
Rack Gear Parts	Jody Durham	Jamie Herndon John Tanner
Cheesy Shop Sign	Phil Rosche	Charlie Meyer
Roller Stand Roller	Phil Rosche	Jamie Herndon
Wire Wheels	Phil Rosche	Bill Creek
Oyster Shucker/ Bottle Opener	Chuck Baldwin	Barry Myers
ABANA Bag	Mike DuBois	Will Krafsgig
Steak Turner	John Tanner	Jason Charlton
Soldering Iron	John Tanner	Jesse Barfield
Dinner Bell	John Tanner	Joe Marsh
Drive In Hook	John Tanner	Joe Marsh

Item	Donated By	Won By
Mouse Die	Heyward Haltiwanger	ML Tanner
Shovel Blanks	Phil Rosche	Ray Pearre
Pizza Cutter	Todd Elder	Jody Durham
Flux Spoon	Barry Myers	Jonathan Lynch
Chainsaw Damascus Knife	Meck Hartgeld	Todd Elder
2.5 lb Hammer	Greg Sandlin	Heath Williams
BBQ Fork	Ed Berry	Jody Durham
Blacksmith's Cookbook	John Tanner	Chuck Baldwin
2 Current Hammer's Blow	John Tanner	Charlie Meyer
2 Current Anvil's Rings	John Tanner	Will Krafsgig
Bucket o' Sewell Coal	Layne Law	John Tanner
Towel Rack	Layne Law	Heath Williams
Steel Rod	Duke Baxter	Todd Elder
Steel Rod	Duke Baxter	John Tanner
Small Knife	Tracy Hartfield	Jack McCoy
Skewers and Marshmallows	Robert Campbell	Will Krafsgig
Wax	Joe Marsh	Bill Kirkley
Blacksmith Decal	Joe Marsh	Heath Williams
Mallet	Bill Kirkley	Wiley Hatfield



Box Tongs Adapter

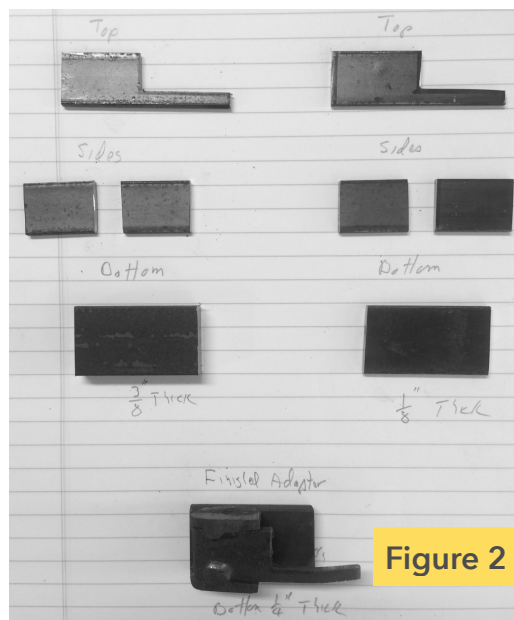
by Bill Kirkley

Box tongs are made to grip a specific size stock. I have a pair that is made for 1 inch wide by 1/2 inch thick flat bar. When gripping the stock, the top and bottom jaws are parallel. I realized that one could grip two 1 inch wide pieces of stock as long as their total thickness equaled 1/2 inch.

With this in mind I made three adapters which allow the tongs to grip 1/8, 1/4, and 3/8 thick stock, as well as the 1/2 inch stock they were designed for. The adapter designed to grip 1/4 inch stock is pictured in figure 1.

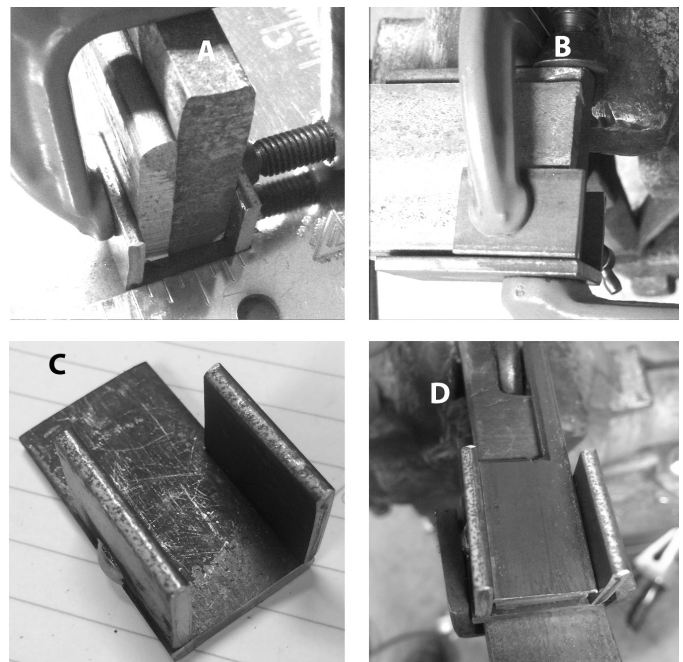


The adapter consists of 4 pieces of flat bar shown in figure 2. The top and side pieces are 1/8 inch flat bar. The bottom piece of the



adapter designed to hold 1/8 inch flat bar is 3/8 inch thick. The bottom piece of the adapter designed to hold 1/4 inch flat bar is 1/4 inch thick. The bottom piece of the adapter designed to hold 3/8 inch flat bar is 1/8 inches thick.

To make the adapter the side pieces are clamped to stock slightly wider (about .01 inches) than the width of the top jaw of the tongs. Figure 3A. The bottom piece is clamped to this assembly. Figure 3B. The three pieces are spot welded together producing the piece shown in Figure 3C. The assembly is placed on the tongs top jaw and the appropriate size stock is gripped. For example if the adapter bottom piece is 1/8 inch thick, a piece of 3/8 inch stock is gripped. Make sure the end of the adapter is flush with the end of the top jaw. The top piece is spot welded in place. Figure A,B,C and D. The welding of the assembly is then completed.



The side pieces are over sized. They are marked and cut down to size. I used an abrasive cut off

wheel. Figure 4. The assembly is filed or ground to its finished configuration. The top jaw of my tongs is tapered. This prevents the adapter from sliding back. If the top jaw had been parallel, a piece would have been welded to the end of the adapter to prevent it from sliding back on the top jaw of the tongs.

The adapter is placed on the tongs and tapped snugly in place. The retaining arm is cold bent using a hammer. Figure 5 The retaining arm holds the adapter securely in place. The adapter is removed using a pin punch to drive it off of the tongs.

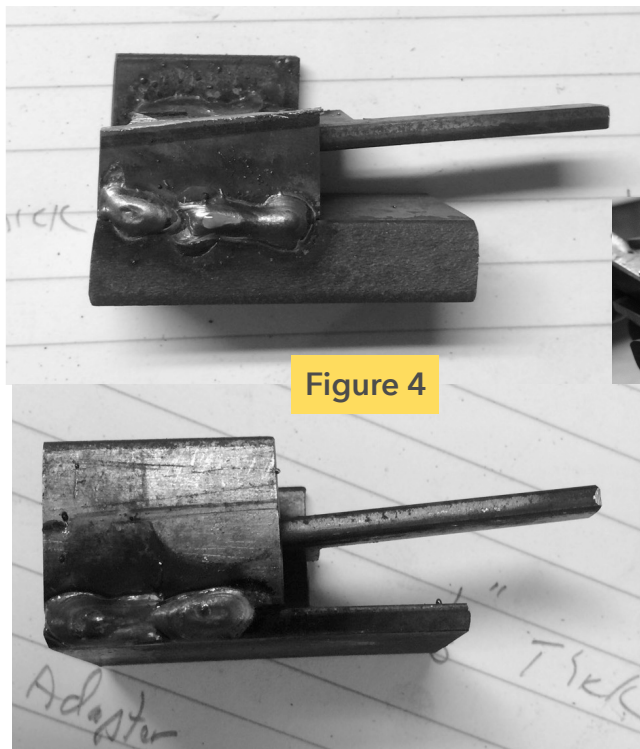


Figure 4

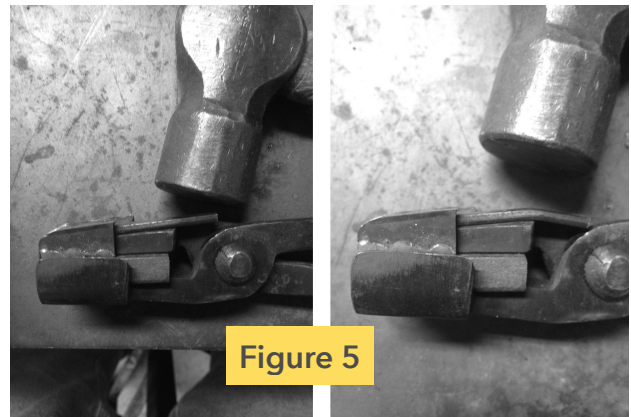


Figure 5

The adapters allow a single set of box tongs grip a variety of stock sizes that would normally require 4 sets of tongs. Figure 6 shows the tongs gripping 3/8, 1/4, and 1/8 inch stock using the appropriate size adapter. I hope this helps you, Bill

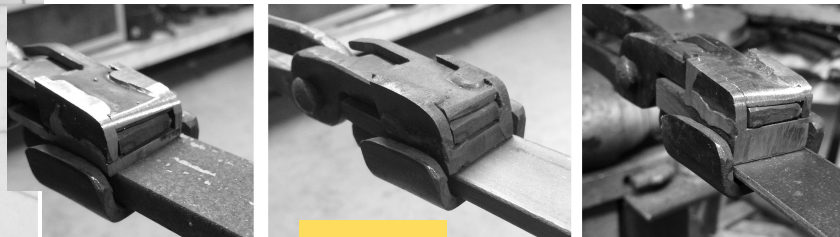


Figure 6

Not seeing the kind of stuff you want to see? Write your own article like Bill Kirkley, or let me know. Barry

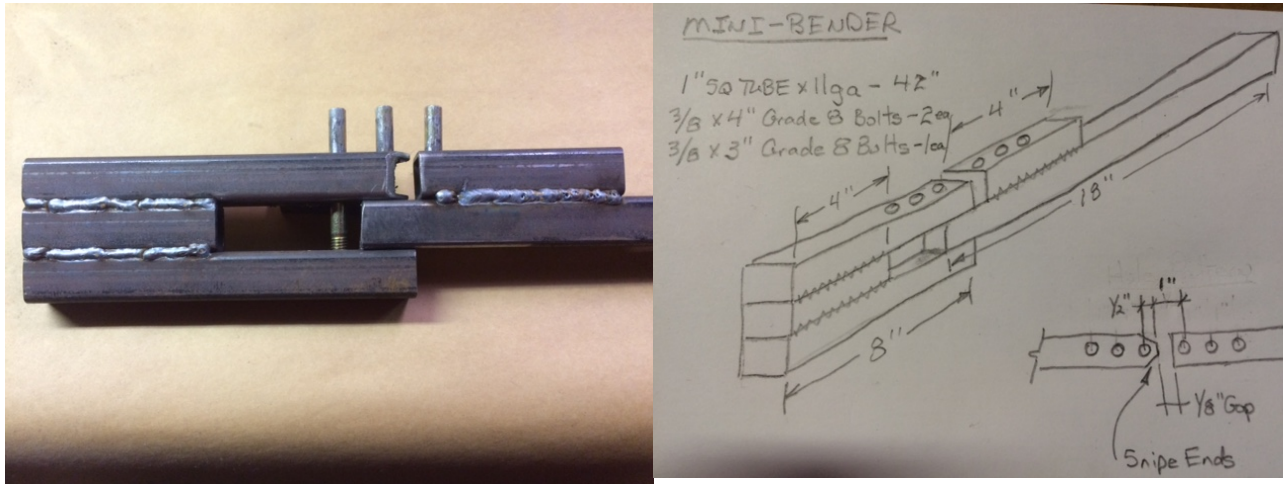
**No one is a blacksmith when they are born.
Finnish Proverb**

**It is by forging that one becomes a blacksmith.
French Proverb**

Ray Pearre's Mini Bender

Our own Ray Pearre sent me this mini bender idea that he used in shaping the scrolls that make up the heart in the Philip Simmons Tribute Gate that we (mostly Jesse and Ray) made for the SBA Conference Group Project.

Note, that had Ray waited, I included one by Steve Norquist later in this newsletter. Never underestimate reinvention of the wheel



For Sale:

Fire Bricks – Brand New, Industrial Grade. \$1 ea. Ed Sylvester 803.414.2487

Tire Hammer Plans: Send a check or money order for \$30US or send \$32US to Paypal.Me/

ClaySpencer. clay@otelco.net. PDFs will be e-mailed outside US.

Beverly shear blades sharpened. Remove your blades and send in USPS small flat rate box with check for \$41US Clay Spencer 73 Penniston Pvt. Drive, Somerville, AL 35670-7103.

Blacksmith Classes: Beginner to Advanced. Glenn Owen, Hemmingway. Contact Glenn at forgeontheridge@yahoo.com or www.forgeontheridge.com.

Forklift tine sections for striking anvils, \$30. Jody Durham, 864-985-3919

ironsmith@gmail.com.

Sewell pea coal, washed. \$11 for a 5 gallon bucket.

Will also sell in bulk at lower price. Forge, made from brake drum, \$175. Located in Aiken, S.C. Derice Hochstetler. Phone: [803-221-2218](tel:803-221-2218)

Upcoming Events

History Days at Magnolia Gardens - July 1 contact Ray Pearre

August meeting, Camden. August 19

1st Saturday, Blacksmithing, bladesmithing, farriering and art fair at Dreamcatcher Forge near Table Rock 12-4PM vendors, food, music, & games. Come hammer, fellowship, and sell your wares. 265 Mt Bethel Rd, Pickens, SC 29671 Shawn Ellis www.dreamcatcherforge.com

Dcforge@gmail.com 864-650-4542

2nd Saturdays Blacksmith demonstrations at Roper Mountain Science Center. Greenville.



Stock. 1" x 1" x 2½"

1. Upset the end to about 1½ to 1¼ square. This end will be the ears and back of the head.
2. Taper the opposite end down. This end will become the trunk and tusks. Go to ¾" to 1" square at first, and then take the taper down to about ⅜" square. Knock the corners off.

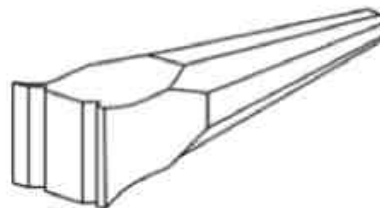
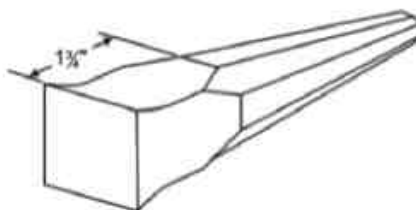
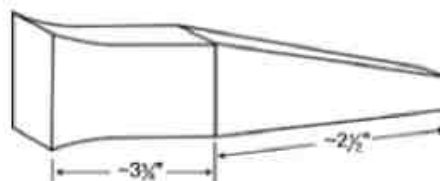
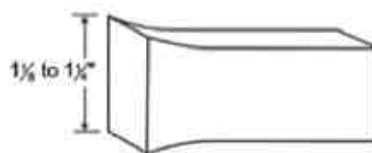
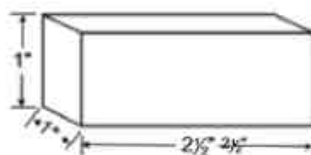
For clarity, the drawings do not show the corners taken off; however, that will be needed throughout the process.

3. Make the tapered section octagonal. This starts to form the elephant's nose.
4. Switch ends. Groove the ends in about ⅜" to ¼". These grooves will become the ears.

FREDDY'S ELEPHANT

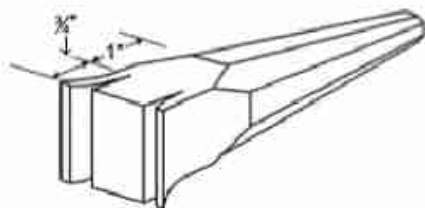
OKTOBERFEST 2013

FREDDY RODRIGUEZ TOOK US THROUGH THE STEPS TO CREATE HIS MARVELOUS ELEPHANT'S HEAD. THIS PROVIDES A GUIDE FOR YOU TO MODIFY AND SIZE TO SUIT YOUR INTERESTS.

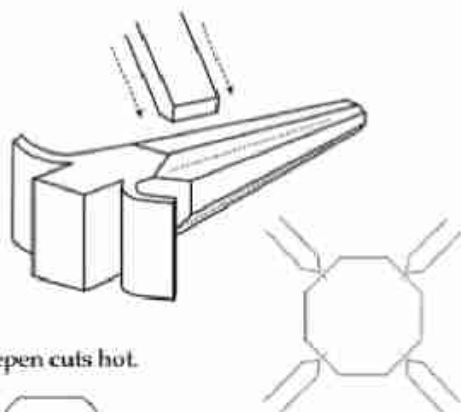


ELEPHANT

5. Continue the split, about $\frac{3}{8}$ " down. Split away on each side. Bend out with fuller or side set if needed.



6. Mark for tusks. Go onto the octagonal flats, and mark four sides with cold chisel. Marks go all way back to the parent dimension and down about two-thirds the length of the taper.

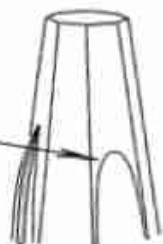


7. Deepen cuts hot.

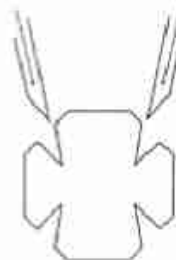


8. Mark for mouth with a cold chisel.

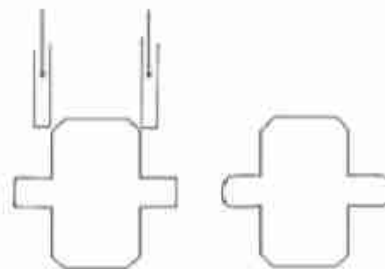
Marks also go back to the parent dimension.



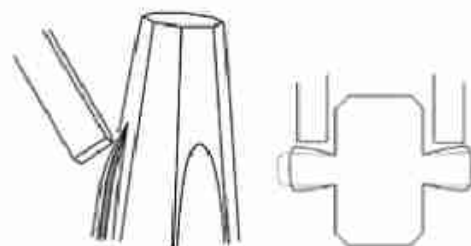
9. Chisel into sort of a Maltese cross.



10. Push the two tusk sections out with a flat chisel. Round the outer corners a bit.



11. Deepen the cuts. Work chisel at 45° from vertical. Flatten the sides with a flat-ended chisel.

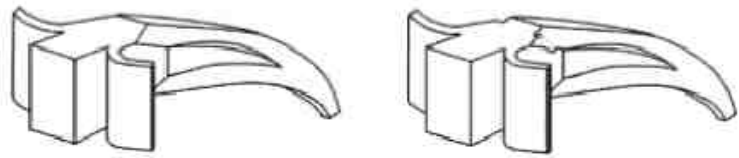


12. Cut the mouth. Chisel, and then bend out.

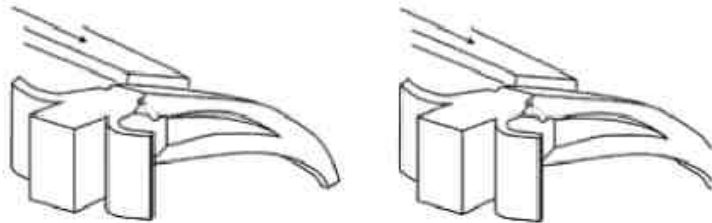


ELEPHANT

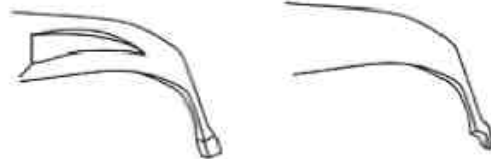
13. Bend the nose section over, and then fuller and punch for eyes.



14. Move nose material over and up to create a bit of a swelled-up section. This will take several heats.

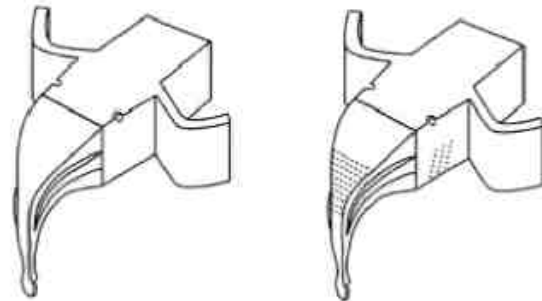


15. Continue to work the nose with a fulling chisel. Add definition with a flat chisel. Isolate (fuller) the end of the nose section to form the nostril area. Bend the nose section past 90°.



16. Make wrinkles on nose. Use a fuller chisel to define nose and cheeks behind tusks.

17. Cut tusks, starting at the tip end. Taper the tusks to a point. Curve out.

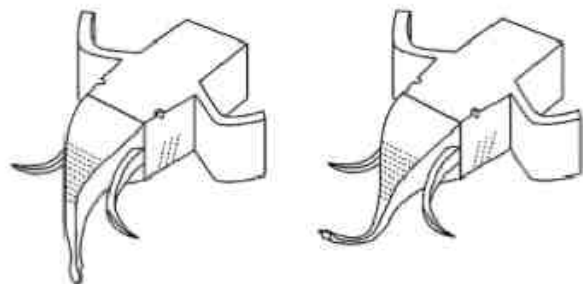


18. Round the ears by drawing out with a rounding hammer or rounding punch. Add character.

19. Clean up and enjoy! ♣



THIS ELEPHANT
WAS COMPLETED
BY FREDDY IN HIS
OKTOBERFEST
DEMONSTRATION.



January/February 2017

www.calsmith.org

California Blacksmith

Reprinted with permission from the California Blacksmiths

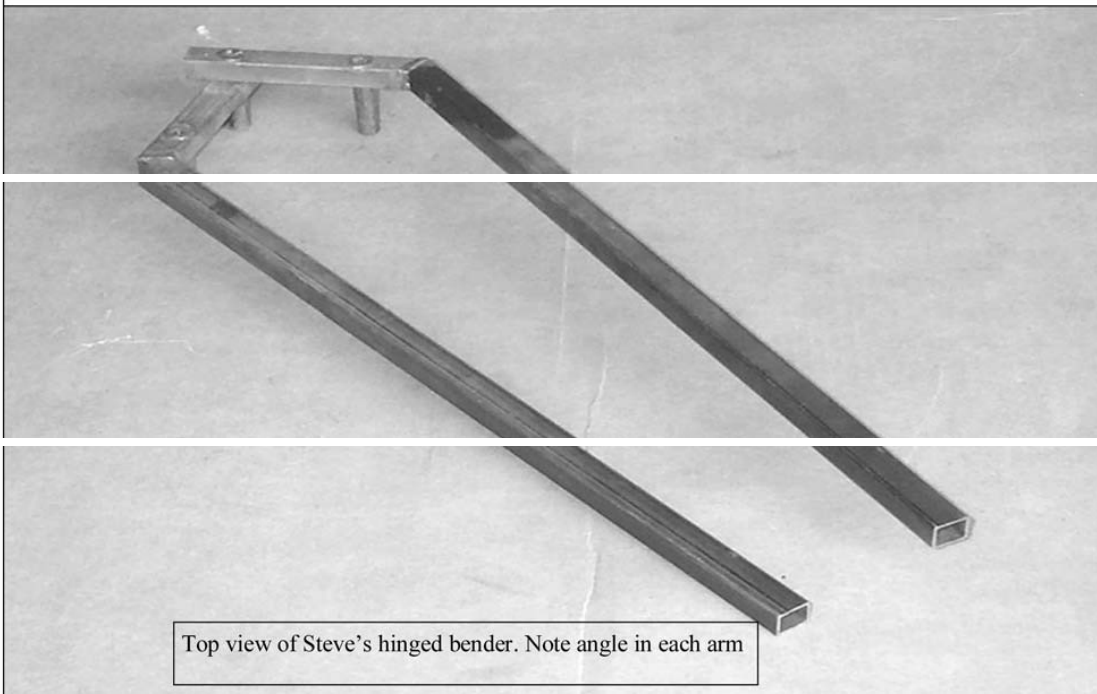
STEVE'S HINGED BENDING FORK

By Tommy Ward

If you've ever used a pair of individual bending forks to tweak or bend a curve and been frustrated by the juggling act required you'll appreciate how effectively this little gizmo accomplishes the task. Steve Norquist didn't tell me what he calls his neat bending device, but it sure does work.

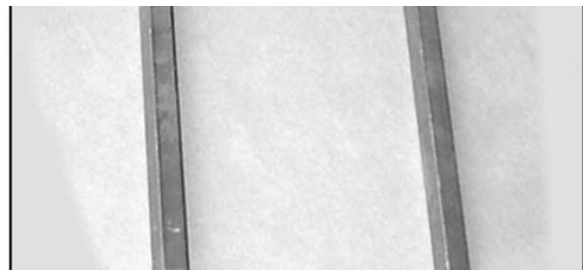
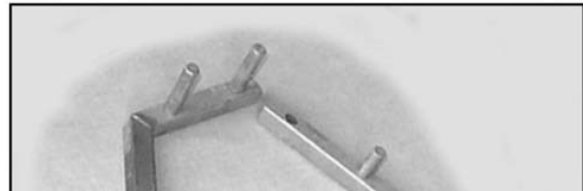
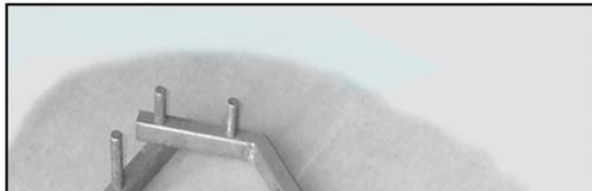
Steve's bender is basically two forks that are combined into a single unit with a pin on one of the forks also serving as a hinge. An angle in each fork arm puts the user's hands closer together. This feature improves ergonomics and control - sort of like operating hedge shears.

Using 3/4" square tube for the arms and 1/2" rod for the bending pins, the bender will cold work flat stock up to 1/4"x 2". The handles are about 21" long, with a second piece of square stock 5-1/4" long welded at a 45 degree angle on the end. Two 1/2" diameter holes, spaced 3" on center, are bored through the working end of each handle. Two 2-3/4" long pins are pushed through the holes and welded flush on the back side of one handle, and a single 2" long pin is welded on the opposite arm in the hole nearest the angle. The remaining open hole in the second arm receives the end pin from the first arm and acts as a hinge.



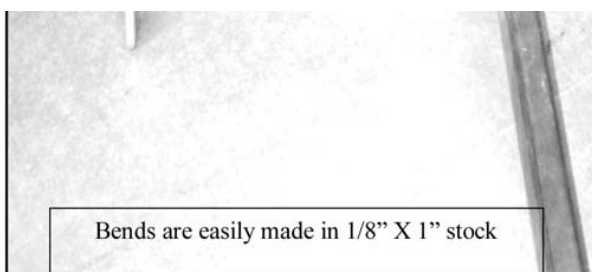
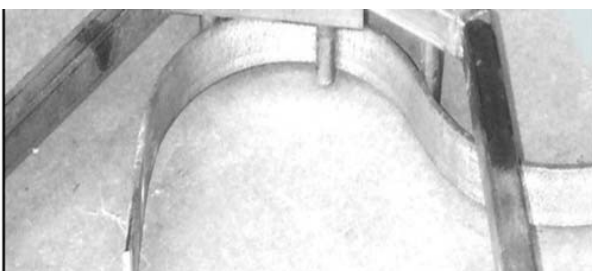
**Forgive the horizontal lines on this article. I am using a new software and it isn't cooperating.
Barry**

Steve's Fork

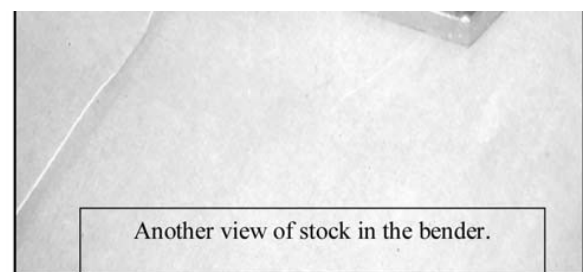


Bottom view. The two outside pins work material against the center hinge pin

Hole in the arm with single pin fits over end pin in the arm with two pins.



Bends are easily made in 1/8" X 1" stock



Another view of stock in the bender.

Philip Simmons Artist Blacksmith Guild

<http://philipsimmonsartistblacksmithguild.com/>

**President: Jesse Barfield, 2423 Stribling
Circle, Lancaster, SC29720**

803-287-0929 jesstersforge@gmail.com

Vice President: Jody Durham

767 Lynnhaven Dr., Seneca, SC29678

864-985-3919 ironsmith@gmail.com

Librarians: Tony and Pam Etheridge

420 Prestige Ct, Orangeburg, SC 29115

803-682-5529 auntpam1957@gmail.com

Secretary/Treasurer: Ray Pearre

4605 Durant Ave.,

N. Charleston, SC29405 843-860-0532/

pearrecr@att.net

Newsletter Editor: Barry Myers

1847 Pisgah Rd, N. Augusta, SC29841

803-640-5504/ blmyers647@gmail.com

Webmistress: Jamie Herndon

414 Henry Stabler Rd, Swansea, SC

29160 803-665-7083

herndonblacksmith@gmail.com

Board Members

Todd Elder, 708 Vista Farm Court,

Lexington, SC 29073 864-978-7232/

elderusc13@gmail.com

Duke Baxter, 1104 Eagle Dr.

Rock Hill, SC, 29732.

803 370 1455/dukeb@comporium.net

Jason Jaco, 29 Woodpine Ct

Columbia, SC 29212 803-799-1865/

texasstreet@hotmail.com

Josh Weston, 6925 Tanner Hall Blvd.

Membership Application

___ New Member ___ Renewal

Name: _____ Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ email: _____

Sponsor _____ Dues are \$15.00 per person/family,
per year. Please remit to: C. Ray Pearre, Jr. 4605 Durant Ave., North Charleston, SC 29405

ACKNOWLEDGEMENT AND ASSUMPTION OF RISK

I acknowledge that blacksmithing and related activities are inherently dangerous and involve risks and dangers to participants and spectators that may result in serious injury or death. I have considered these risks and I knowingly assume them. I agree that I am responsible for my own safety during Guild events, including wearing appropriate clothing and protective gear and remaining a safe distance from all dangerous activities. I agree to hold Philip Simmons Artist Blacksmith Guild and guest demonstrators of our craft harmless from liability and expenses arising from of my actions and/or omissions.

When was the last time you paid dues?

There is a note below your address on the last page of our newsletters. It will say something like “Dues Last Paid – 2016” or “Dues for 2017 are due” or “Dues paid 2017” This note is updated for each newsletter. We appreciate your prompt payments.

JUNE 11th, 10 AM

**The June Meeting will be at the Marcengill's in
Westminster. 132 Ringing Anvil Drive, 864-647-1132**

**Roger and Gail and Jerry and Bessie Fowler are
our hosts. Jerry may demonstrate shoeing a
horse! If he won't, we will endeavor to find a
smith who will be worthy to demonstrate for
you!**

**Bring a side, drinks or dessert to contribute for
the lunch. Also, bring something nice, maybe
something forged for iron in the hat. I guarantee**

