Saltfork Craftsmen Artist-Blacksmith Association January 2010



Cross made by JC Banks from Wrought Iron. Won By Teresa Gabrish during the Christmas meeting at Anelia and Kent Hadick.

Saltfork Craftsmen Artist-Blacksmith Association Officers and Directors

President: Gerald Franklin 580-467-8667 Rt. 3 Box 239J, Duncan, Ok 73533 franklin@myrhinomail.com

Vice-President/events: Bill Davis 580-549-6824 23966 NE Wolf Rd Fletcher, Okla. 73541 lazyassforge@hughes.net

Sec-Treas. Mike George 580-327-5235 1227 4th St. Alva, Ok. 73717 mike-marideth@sbcglobal.net

Director/website: JC Banks 580-482-3209 16007 S. CR 206 Altus, Ok. 73521 jc.banks@okstate.edu

Director: Byron Doner 405-650-7520 6520 Alameda, Norman Okla. byrondoner@earthlink.net

Director/swage blocks: Bill Kendall 918-742-7836 1756 E. 59th St Tulsa Ok. 74105 wwkendall@aol.com

Director: Richard Dyer 918-582-5065 1119 S Birmingham Pl. Tulsa, Ok. 74104 irondyer@aol.com

Assignments:

Editor: Diana Davis 580-549-6824 23966 NE Wolf Rd Fletcher, Ok 73541 Diana-copperrose@hughes.net

Librarian Bill Malsom 918-440-4318 21450 N. 4020 Rd. Bartlesville, Ok 74006 billmalsom@hotmail.com 918-440-4318

Workshop Coordinator David Seigrist dseigrist2004@yahoo.com

580-688-3555

The Saltfork Craftsmen Artist-Blacksmith Association, a non-profit organization of amateur and professional artist and craftsmen, publishes this newsletter monthly. Our purposes are the sharing of knowledge, education and to promote a more general appreciation of the fine craftsmanship everywhere. We are a chapter of the Artist-Blacksmith Association of North America.

Material from this newsletter may be freely copied without permission for non-profit purposes. Please credit the author and this publication.

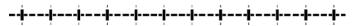
Visit our Saltfork Craftsmen Website: www.saltforkcraftsmen.org

Trading Post

For Sale:

5/8in. Round 1045 stock in 12 ft. lengths. Price is .50/ft. contact Ron Lehenbauer at therustyanvil@yahoo.com or call 580-554-1126 to order. Delivery can be made at the Conference. I can have it cut into 1ft or 6ft pcs to haul. 1-foot pcs will be a bit extra for the cuts. This is great metal for punches or chisels.

Army surplus round nosed pliers that make good scroll pliers for small items. They are 6" long \$5.00 each plus shipping. I also tie brooms on your handle or mine. \$20.00 plus shipping. Diana Davis 580-549-6824 or Diana-copperrose@hughes.net



Wanted:

Advertising Coal Hammers, Contact Mike George at 1-580-327-5235or o Mike-Marideth@sbcglobal.net

-#--#--#--#--#--#--#--#--#--#--#-

Club Coal

Saltfork Craftsmen has coal for sale. Coal is in 1-2" size pieces The coal is \$140.00/ton or .07 /pound to members .<u>No sales to non-members.</u>

NW Region coal location:

Bring your own containers. Contact Tom Nelson at 1 -580-862-7691 to make arrangements to pick up a load. **DO NOT CALL AFTER 9 P.M.** If you make arrangement well in advance, Tom can load your truck or trailer with his skid steer loader. Otherwise you will need to bring a shovel. The coal can be weighed out at the Douglas Coop Elevator scales. **NE Region coal location:** Dan Cowart also has coal to sell. He can be contacted at ddcowart@gmail.com or CowartPat@gmail.com

Send your ads to the Editor by the 20th of each month. Ads will run for 60 days.

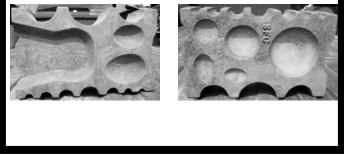
MEETING SCHEDULE Jan.

SE Regional meeting (Jan 2nd) Open

NE Regional meeting (Jan 9th) Hosted by Gary Gloden, Lunch is provided. Trade items is something made at the meeting. Look for map is back of newsletter.

S/C Regional meeting (Jan 16th) Hosted by JC Banks. The trade items is a decorative punch, we will have materials and ideas if anyone wants to make one at the meeting. Lunch will be provided, it will be BBQ sandwiches, if anyone wants to bring a side dish. It will be at JC house. It is 4 miles north of the courthouse on 283 and 2 miles east on CR 160. Turn south on CR 206, it is the first house on the west side of the road.

NW Regional meeting (Jan 23rd) Hosted by Charlie Todd. Meal will be homemade noodles and the trade items is anything. Bring things to tailgate if you want. Lives at 701 E. Cornell Enid, Okla When you get to Enid (on highway 81) turn east on E Willow Rd. for approximately 1 mile then turn (L) north and take US 64/N 4th street north until you find E Cornell Rd. turn right (east) and continue until you reach your destination. At 701 E cornell. New shipment of swage blocks now in. \$80. plus shipping to members. \$100.00 plus shipping to non-members Contact Bill Kendall for more information



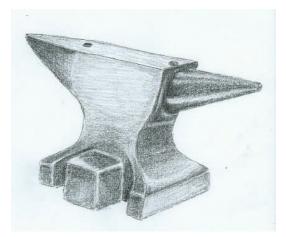
This year is almost over and it is time to start getting ready for 2010. Here is a list of things to do in 2010. See how many of these things you can get done.

- 1. Pay your dues before March 30th.
- 2. Vote your ballet for SCABA directors.
- 3. Sign up to host a meeting is your region
- 4. Attend the State Picnic in April.
- 5. Attend a workshop or class
 - A. Suggest a workshop that you would like to attend.
 - B. Volunteer to teach a workshop

6. Make several items to place in conference gallery.

7. Make and donate items for the conference auction.

8. Sign up for a conference committee.



Gerald Franklin

On December 13th many of us attended a benefit dinner for the Max Scrudder family. The Masonic Lodges of Mt View and Hobart and the Mt View VFD sponsored the event. Saltfork member, Gregory George set up a Silent Auction for us to bring hand-forged/hand crafted items in for sale to the public. Gregory tells me that his last count showed 27 items on the table and that these items brought a total of \$3050 for the benefit. Max wasn't able to come to the dinner but Gregory reports that he was very appreciative of our support. I want to thank all who came and also those who didn't come but sent auction items and/or money. Again, please remember Max and his family in your thoughts and prayers.

As we get a start on a new year, please remember a few things:

- **Pay your dues**. Memberships expire on March 30 and newsletters will stop for those who haven't renewed their memberships.
- **Remember your tongs**. Three Kings Day, January 6th is the agreed upon delivery date for the participants in the Christmas Tong Exchange to deliver their tongs.
- Schedule a meeting. Diana Davis keeps the calendar to schedule the 2010 regional meetings. She runs this list on a first come, first served basis so if you have a particular date in mind that you would like to schedule, let Diana know.
- **ABANA Conference**. The 2010 ABANA Conference will be held in Memphis in June. This is one of the closest locations to Oklahoma in recent years. Register early for a price break.

One last thing. Recently there have been some non-members who have sent checks to Mike George for coal purchases. Our coal is purchased for re-sale to members of SCABA only. If someone who wants to buy coal approaches you, tell them that they must first become a member of Saltfork before purchasing coal.

S/C regional meeting

Kent and Anelia Hadick hosted the Christmas meeting for the S/C regional meeting. The

weather was predicted to be cold and windy but there were still some tuff souls that braved the weather. Anelia and Kent planned a fun day for everyone. Even Dirty Santa played a part. Those that wanted to brought a wrapped "trade item" and played Dirty Santa and hope that he played nice to each one of them. All the items were nice items so everyone took a nice item home. Teresa Gabrish took a nice wire-wrapped piece of jewelry as her trade item and took the wrought iron cross made by JC Banks home.







Scenes from Max's benefit...



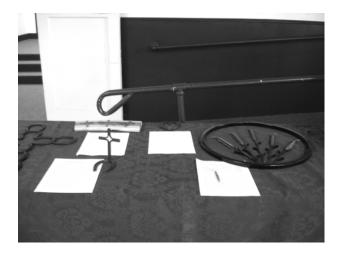




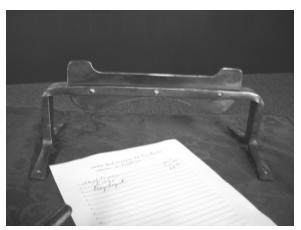


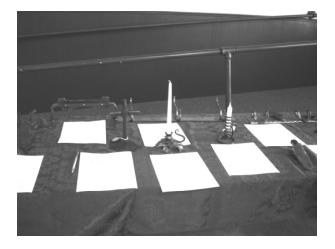






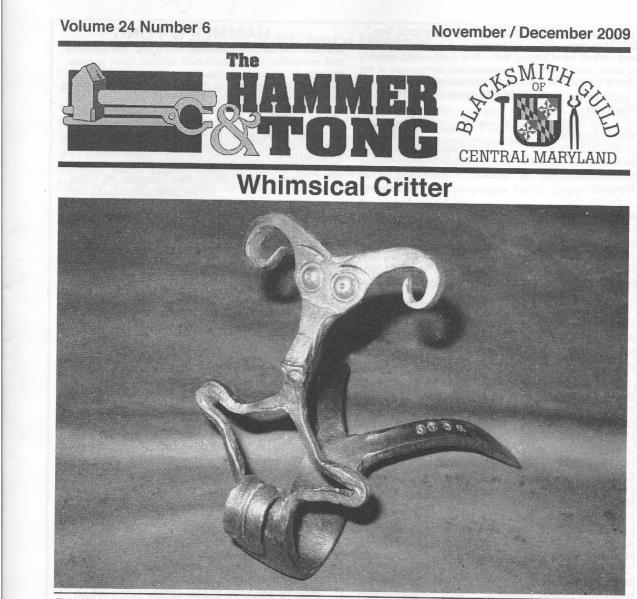






More scenes. From Max Scrudder's Benefit.

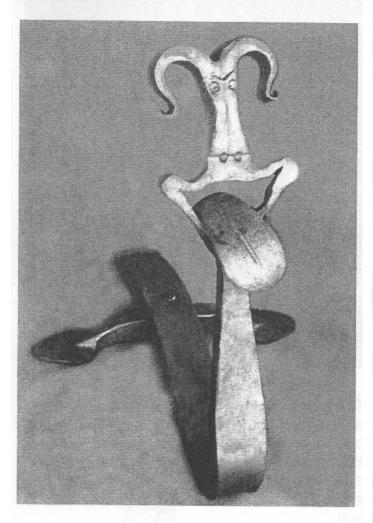




Reprinted with permission from The Hammer & Tong.

This Whimsical Critter forged by the editor is based on a similar one found in the August 2009 Issue of **Solid Wrought** published by the **Artist Blacksmith Association NSW** in Australia. Careful positioning of the tongue at the proper distance from the critter's neck allows this to be used as a bottle opener.

The original forging in the Solid Wrought article is shown here,

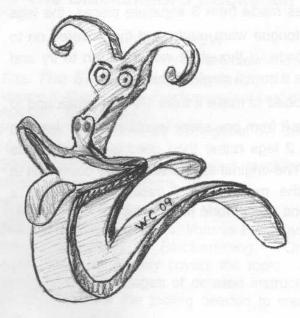


It was made from 3 separate pieces, the legs and tongue were made and then riveted on to the body. I thought it would be fun to try and make it from a single piece.

I decided to make it from 1/4 by 1 stock and to make it from one piece would split the back to form 2 legs rather than riveting a cross piece on. The original appeared to have been split to formthe mouth and I decided to include a second split to form the tongue. My first attempt at forging one is shown here:

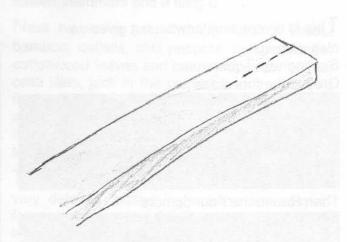


Here are instructions for making the critter shown on the front cover of the newsletter. You'll soon notice that the measures are less than exact. This critters come in all shapes and sizes so you'll have to choose how big and small to make it and adjust measurements to suit.



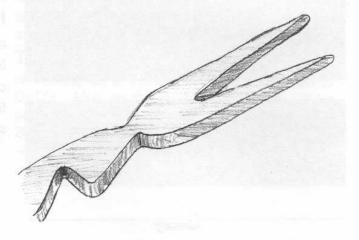
10 HAMMER & TONG November/December 2009

Begin first by splitting an inch or so of the top of the bar to form the "ears"



Once split the splits should be tapered to form the ears. The base of the split can be left sharp or rounded.

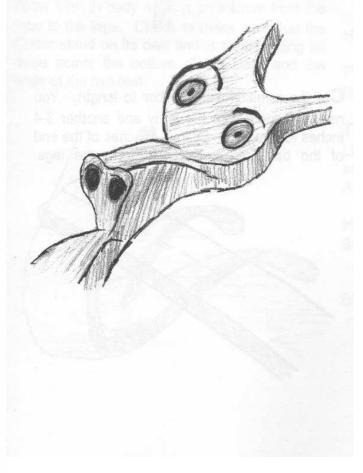
Next form the nose using the edge of the anvil as shown here



Blacksmith Guild of Central Maryland

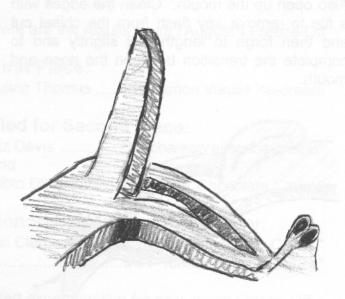
Then heat and twist the nose 90 degrees to make it protrude vertically. Forge the transitions to remove the marks from the twist.

Now add the eyes this can be done with an eye punch or with a centerpunch. Add eyebows with a small straight or curved chisel. Finally use a center punch to add the nostrils.

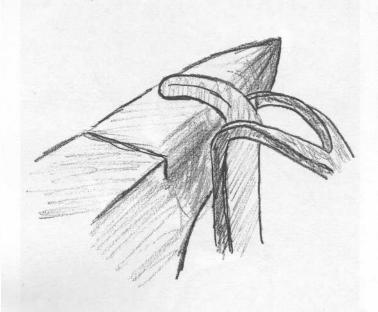


Mark the tongue cold and then cut hot. The tongue shoul; d be about 1 1/2 inches long and about 1/2 the width of the bar.

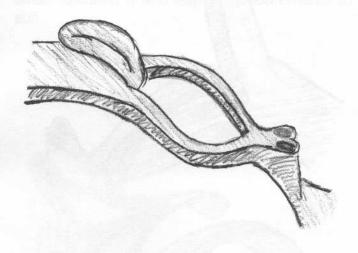
Bend the tongue forward and the sides of the mouth back to allow access to clean up the edges of the tongue with a file before forging to shape.



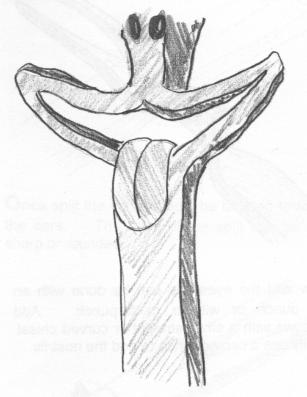
Forge the tongue to shape on the edge of the anvil . On shaped add a chisel cut down the center . Finally curve the tongue over the horn.



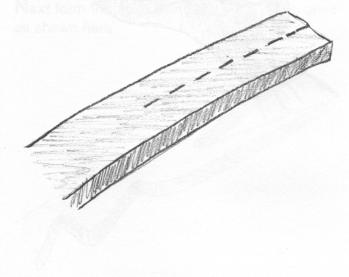
Finally position the tongue using scrolling tongues. Leaving about a 1/4 inch gap will allow the tongue to be used as a bottle opener. Also open up the mouth. Clean the edges with a file to remove any flash from the chisel cut and then forge to lengthen it slightly and to complete the transition between the nose and mouth.



Heat the mouth and form it into shape . The mouth can me happy as shown here with the sides turned up, turned down to form a frown or many other shapes to form the expression you desire.

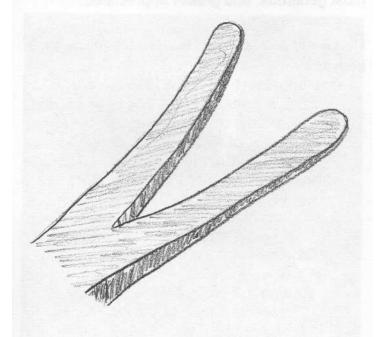


Cut the remainder of the bar to length. You need 3-4 inches for the body and another 3-4 inches for the legs. Split 3-4 inches of the end of the bar with a chisel to form the legs.

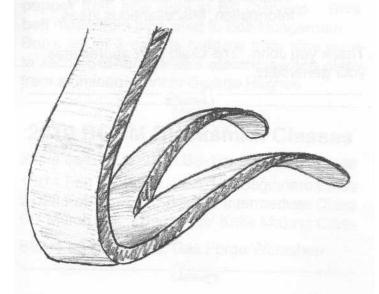


Blacksmith Guild of Central Maryland

Open up the split cleaning any flash from the split with a file and then forge tapes on the legs. If you like you could forge feet ,add toes etc. Once forge they should be curved upward with respect to the side of the bar that has the eyes nose etc.



Now form th body making an s curve from the face to the legs. Check to make sure that the Critter stand on its own and is stable sitting on three points the bottom of the body and the ends of the two feet



NORTH EAST MEETING DATES

January 9, 2010 Host: Gary Gloden Phone # Trade item; something made at meeting

February 13, 2010 Host: Phone #

March 13, 2010 Host: Phone #

April 10, 2010 STATE PICNIC MONTH

May 8 2010 Host: Phone #:

June 12, 2010 Host: Phone #: Trade item:

July 10, 2010 Host: Phone #:

August 14, 2010 Host: Phone# Trade item

Sept. 11, 2010 Host: Phone #: Trade item

October Host: Phone#

November 13, 2010 Host: Phone #:

December 11, 2010 Host: Charlie McGee Phone #: 918-245-7279 Trade item: angel

NORTH WEST MEETING DATES

January 23, 2010 Host: Charlie Todd Phone# 580-242-0105 Trade item; anything forged

February 27th, 2010 Host: Mandell Greteman Phone # 580-515-1292 Trade item; tool

March 27, 2010 Host: Mike George Phone #: 580-327-5235 Trade item; Flower

April 24, 2010 STATE PICNIC MONTH

May 22, 2010 Host: Gary Seigrist Phone #:580-225-3007 Trade item: hardy tool

June 26, 2010 Host: Ron Lehenbauer Phone #:580-758-1126 Trade item; something western

July 24, 2010 Host: Phone #:

August 28, 2010 Host: Phone #:

Sept. 25, 2010 Host: Gary Seigrist (Elk city) Phone #: 580-225-3007 Trade item; something from a horseshoe

October 16-17, 2010 Host: Phone #.

November 27, 2010 Host: Tom Nelson Phone #: 580-862-7691

December 25, 2010 Merry Christmas

SOUTH CENTRAL MEETING DATES

SOUTH EAST MEETING DATES

January 16, 2010 Host: JC Banks Phone # 580-482-3209 Trade item:

February 20, 2009 Host: Gerald Franklin Phone #: 580-252-6002 Trade item: boot scraper

March 20, 2010 Host: Phone #

April 17, 2010 STATE PICNIC NORMAN OK

May 15, 2010 Host: Phone # Trade item:

June 19, 2010 Host: Phone #:

July 17, 2010 Host: Phone #:

August 21, 2010 Host: Phone #:

Sept. 18, 2010 Host: Phone #:

October 16-17, 2010 Host: : SCABA Conference Perry, Okla.

November 20, 2010 Host: Bill and Diana Davis Phone #: 580-549-6824 Trade item: door knocker

December 18 2010 Host: Phone #: January 2, 2010 Host: Phone #:

February 6 2010 Host: Eddie Horton Phone #: 580-513-8370

March 6, 2010 Host: Phone #:

April 3, 2010 State Picnic Month

May 1, 2010 Host: Phone #

June 5 2010 Host: Phone #:

July 3, 2010 Host: Phone #:

August 7, 2010 Host: Phone #:

Sept. 4, 2010 Host: Phone

October 2, 2010 Host: Phone:

November 6, 2010 Host: open Phone #:

December 4, 2010 Host: Phone #

CONTROLLED HAND FORGING

Forging Right-Angle Bends

By Tal Harris

Photos by Kim Harris

Waxhaw, North Carolina

Lesson #25.

Definition: Forging Two Right-Angle Bends to a Desired Dimension

Intent: The student will learn how to make two right-angle bends with sharp outside corners in square stock, maintaining a small radius on the inside corner, with the corners a prescribed distance apart.

Tools: Basic forging tools: a hammer weighing about 1 1/2 pounds is recommended, steel square, center punch, twisting wrench (just in case).

Material: 1/2" x 1/2" square stock, 30 inches long.

In this lesson we will make two right-angle bends as noted in Figure #1. From the end of the bar that is visible to the outside of the next corner is 5 inches. The measurement from the outside of the first corner to the outside of the second corner is also 5 inches.

Step #1

In this step, you will be marking the bar in preparation to forge the first right-angle bend.

The target of this lesson is not only to form a proper square corner, but to make it in a desired location. Once completed, the measurement from the end of the bar to the outside of the first corner should be 5 inches. Make a heavy center punch mark on the bar 4 3/4 inches from one end. When forming the corner using this mark as a reference, the desired outside dimension will be achieved. This mark must be visible at a yellow heat in order

to control the bending and forming of the corner.

The center punch mark denotes what will become the center of the bend when viewed from the side of the piece. Refer to Figure 1. The small diagonal lines between the inside and outside corners were originally center punch marks that were deformed when the corner was formed.

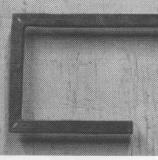


Figure 1- The completed forging.

Step #2

The area that has been marked with a center punch should be heated to a bright yellow. Using water poured from a can, quickly localize the heat to a 2-inch long area, with the center punch mark in the center.

Safety note: Care should be taken to keep the hand away from the steam generated when localizing the heat.

With the bar lying perpendicular to the long axis of the anvil and the heated area located just beyond an anvil edge with a

minimum of 1/4-inch radius, make an initial 90-degree bend by directing downward hammer blows to the end of the bar. If the bend was properly made, the result should look like Figure 2 when the piece is viewed from the perspective shown. The material should have no twist, have an



Figure 2.

inside and outside radius, and the center punch mark should be located in the center of the bend. A common error in learning this technique is to make the initial bend too sharp. This almost always results in a shut, or fold, in the inside corner. Twist can be removed by placing the bar in the vise (at an orange heat), appropriately positioning a twisting wrench, and making the necessary corrections.

Step #3

In this step you want to start transforming the bent corner into one that has a small (1/16-inch) inside radius, while the outside corner becomes a sharp 90-degree angle. Heat the corner to a bright yellow by placing the piece in the fire with the corner pointing downward into the center of the fire, and the end you are holding at a 45-degree angle.

Once the metal is at forging temperature, start forming a sharper corner by first hitting the area noted in figure 3A with light, rapid blows, followed by similar hammer blows delivered to the area noted in figure 3B.



Figure 3A.



Figure 3B.

It should be stated that the downward blows where the material is backed up by the anvil are more effective than blows delivered towards the hand. Therefore, more blows are required when striking towards the hand. Some references state 4 blows towards the hand for every 3 towards the anvil, but the important point is that the center punch mark remains in the center of the bend while the corner is progressing. Resist the temptation to upset the piece while the corner you are trying to form is against the anvil, as this only results in upsetting the material adjacent to the corner and does little to form the corner itself.

CONTROLLED HAND FORGING

Continue to deliver blows as described above, being careful to keep the areas on either side of the corner straight and free from twist as described previously. Correct these conditions as they are occur, for they will only worsen and make forging the corner more difficult. If possible, make corrections before returning the metal to the fire so that progress, rather than corrections, can be made at the highest temperature when the bar is next removed from the fire. Once the piece has cooled to an orange, it is time to once again heat the piece to a yellow and continue forging

until the outside corner is sharp, there is a small inside radius of 1/16-inch, and all material has been forged to its original size of $1/2 \ge 1/2$ -inch square. When this has been successfully completed, the piece will look like the representation in figure 3C.



Figure 3C.

It is important to note the resulting dimensions of the bar at this point. The measurement from the end of the bar that is visible to the outside corner is 5 inches. Remember the initial reference center punch mark of the centerline of the corner was made 4 3/4 inches from the end of the bar. Understanding the move-

ment of the material is key to forming these bends to a required dimension.

While the bar is cool, locate the bend for the second corner 4 3/4 inches from the outside corner of the first bend as shown in Figure 3D.

Step #4

Take a bright yellow heat and reheating as needed, repeat the process described in Steps 2 & 3. Refer to Figure 4. While forging the corner, the material near the corner upsets- that is, it shortens and therefore becomes larger in cross-section. This can

be corrected by forging the stock to its original size, being careful not to reduce the section below its original dimension.

As stated previously, resist the temptation to upset the piece while the corner you are trying to form is against the anvil, as this only results in upsetting the material adjacent to the corner and does little to form the corner itself.

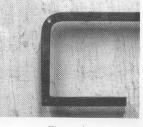


Figure 3D.



Once the outside corner has become sharp, make sure that the surrounding material is at its original dimension, the outside corner is sharp, the inside corner has a radius of 1/16-inch, the angle measures 90 degrees when checked with a square, and does not contain any twist.

Allow to cool and check dimensions of the piece. The result

SUMMER 2009

should match the dimensions and photograph in Figure 1 at the beginning of the lesson.

Note: When a bar cools it shrinks. Once formed, the measured dimensions will change as the material cools. Allowance for shrinkage is achieved by leaving the dimension longer than the finished dimension. For this scale of work, leaving the dimension 1/16-inch long while the piece is visibly red will result in a cold measurement that is very close to the intended measurement. This degree of accuracy is not always needed, but knowing how to control the work to achieve a desired result is a valuable skill.

Targets:

The dimensions will meet the requirements of Figure 1.

The material will be free from twist.

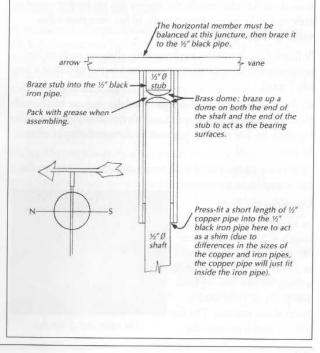
All stock will be 1/2" x 1/2" square.

Uses for this technique- Primarily gate and grille frames.

Weathervane Bearing

Doug Hendrickson Lesterville, Missouri

From The Anvil's Ring, Vol 14, #1, Summer 1986



The Saltfork Scholarships / Grants Program and Application: [Don Bellah Memorial Scholarship]

Since founding in March of 1995, the Saltfork Craftsmen ABA has been committed to high quality educational opportunities for our members and our region. The purpose of the Don Bellah Memorial / Saltfork Craftsmen ABA Scholarship / Grants Program is to provide Club Members with financial assistance toward that end.

The Scholarship / Grants Program will provide funding each year to aid in increasing skills and abilities through participation in schools, conferences, or special classes. The total amount of funding and the distribution limit per person / application will be set annually at the First Board / Trustees Meeting. Unused monies will be rolled over for use the following year.

Because the Saltfork Craftsmen ABA desires to promote and sustain an interest in blacksmithing and other crafts, funding is available to interested blacksmiths, blacksmith educators, other craftsmen, and other craft educators at all skill levels – novice to journeyman.

Requirements for Selection of Scholarship / Grant Funding:

- The applicant must be an active member of the Saltfork Craftsmen ABA for at least one year -12 consecutive calendar months. The applicant must have attended at least 4 general or area Saltfork meetings in the past 12 months.
- The applied for conference, school, or class must be deemed to also be of benefit to other members of the Saltfork Craftsmen ABA by the Scholarship / Grant Committee. The school, class, or conference is not limited to just blacksmithing.
- As long as funding is available, applications will be considered once each quarter of the calendar year at the Saltfork Board / Trustees meetings.
- Should there be more applications than there is money available in the Scholarship / Grant fund, applicants will be selected by drawing of names and the funds divided by the Scholarship / Grant Committee.
- Recipients of previous Scholarship or Grant awards are not eligible to submit another application for two years after the completion of the conference, school, or class <u>and</u> fulfillment of the Applicants Responsibilities listed below.

Applicant's Responsibilities for Selection of Funding:

As a condition of receiving Saltfork Craftsmen ABA Scholarship / Grant funding, all recipients are required to share the results of their learning with other Saltfork members.

The recipient is further encouraged to share this learning with other ABANA Chapters and / or ABANA proper.

The recipient will fulfill this responsibility by at least two of the following forms of presentation:

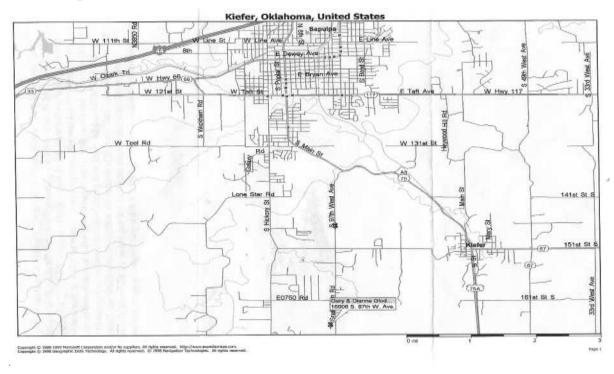
- A public demonstration, lecture, or organized workshop at a General Meeting of the Saltfork Craftsmen ABA covering what was learned in the class or conference.
- The submission of an article for the Saltfork Newsletter and / or ABANA or other artist-blacksmith association newsletter or related publication.
- Making and donating an item for the Annual Conference "iron in the hat" or other Saltfork Auction. The item should be from the class or conference. Money received from this item, if auctioned, will be added to the Scholarship / Grant Program account.

The fulfillment of the Applicant's Responsibilities, as listed above, must be completed within 6 calendar months after the course of study is completed.

The Saltfork Craftsmen ABA Scholarships / Grants Committee will have the final say as to whether the requirements are deemed as being met.

Map to Gary Glodens place.

[Please type or print all application data clearly]



Don Bellah Memorial / Saltfork Craftsmen ABA Scholarship / Grant Application Form

me:
dress:
y, State, Zip Code:
ember of Saltfork since: Month, Day, Year
lephone: Home Work
nail:
ve you applied for Saltfork Craftsmen ABA Scholarship / Grant Funding in the past?
s No If Yes, date you applied:
sults of that application

Describe the School, Conference, Workshop, or Class for which you are seeking Saltfork funding. List the location, dates, and published cost. If known, list whom the instructor(s) will be. Attach a Conference, Workshop, School, or Class flyer (or copy) if possible. State how you plan to fulfill the Applicant's Responsibilities. Use the back of this sheet and additional paper as necessary.

Saltfork Craftsmen

Artist-Blacksmith Association Membership Application April 2010 thru March 2011

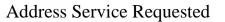
Please accept my application	Date:	
First Name	Last Name	
Married? Yes No	Spouses Name	
Address	· · · · · · · · · · · · · · · · · · ·	
City	State	_ZIP
Home Phone ()	Work Phone ()	
E-Mail	ABANA Member?	Yes No

I have enclosed \$20.00 for dues to March 30, 2011

ABANA		
Name:	Email:	
Address:	www.url:	
City:	Phone:	
State:Zip:	Fax:	
Country:		
TYPE OF MEMBERSHIP:	CREDIT CARD INFORMATION:	
NEW MEMBER RENEWAL	VISA Mastercard Expiration Date:	
Regular - \$55.00 Contributing-\$100.00 Student- \$45.00 Library-\$45.00	Card Number: Submit check, money order -U.S. Banks only, or by credit card:	
Senior (65+) \$50.00	PO Box 3425 Knoxville, TN 37927-3425	
ABANA Chapter Affliation:	Phone: 865.546.7733 Fax: 865.215.9964	

Saltfork Craftsmen Artist Blacksmith Assoc.Inc. 1227 Fourth Street Alva, Okla. 73717-1227

U.S. POSTAGE PAID STERLING, OKLA NONPROFIT ORGANIZATION 73567





Pay your dues by March 30

