



MAY 2002

THANKS TO: STEVE BLOOM
FOR PAGE 2, PATTY DRAPER
FOR THE LABELS, AND TO
ALL THOSE WHO HELPED.

The Florida

Clinker Breaker

FLORIDA ARTIST BLACKSMITH ASSOCIATION - AN AMERICAN ORGANIZATION.
Established May 18, 1985

President's Corner President's Message - May 2002 by Bob Jacoby
Renew! Renew! Renew! April is the month when the majority of FABA memberships expire. Please check your mailing label to see if it's time to renew for the coming year. You can send your dues to FABA Treasurer, Deana Baggett - address on the back page of this newsletter. Regarding ABANA and the Anvil Shooting Controversy - hopefully an equitable ending is in sight. The ABANA Board of Directors is proposing amendments to the ABANA bylaws which will clearly separate ABANA from local blacksmithing organizations thus resolving the perceived liability issue. If the bylaws are approved by the membership, all former chapters (including those that ABANA "kicked out") will be recognized as affiliates - again, with no legal liability between organizations. I was fortunate enough to, first be elected to the



ABANA board, and subsequently chair the bylaws revision committee. Therefore I heartily endorse the proposed changes which ABANA members will receive in the mail shortly. I respect and appreciate those of you who have continued to support the organization, and also those of you who "voted with their feet". These changes, if adapted, should help move the organization forward. Back to FABA: Kent & Melanie have graciously volunteered for the Northeast Regional Coordinator Position and will work with Bob Mancuso on the transition. The Regional Coordinators are one of the core positions of our organization, and if you haven't yet, please show your appreciation for their hard work! Also, at the FABA April Board of Directors meeting, Patty Draper and Deana Baggett reported that our membership growth is back on track! Lets all make this organization a source of great fun and pride!

Don't miss a single issue of the *Clinker Breaker*!!! Check the mailing label on your newsletter. The vast majority of memberships expire April 1, 2002. Send your \$20 membership check to Deana Baggett, FABA Treasurer, 6840 Bird Song Trail, Tallahassee, FL

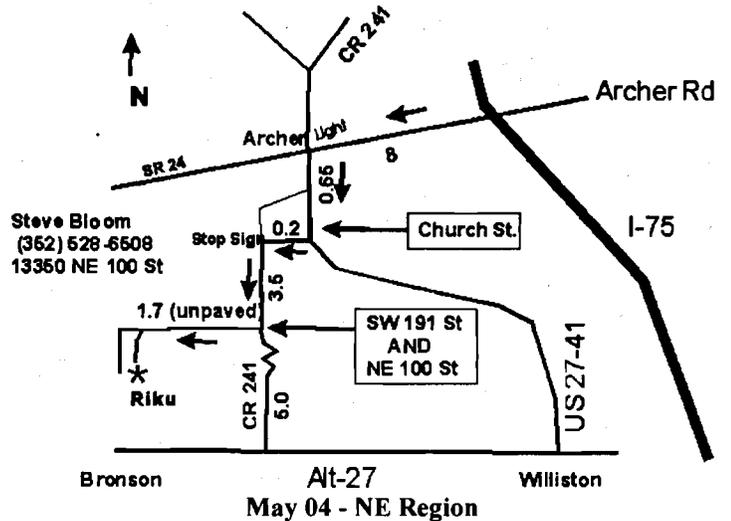
Upcoming Events

The calendar includes events of interest to the blacksmithing community. Florida Artist Blacksmith Association (FABA) sponsored events are highlighted in bold typeface. The regions have no boundaries - everyone is welcome everywhere. Come to more than one if you can. We hold regular monthly meetings in each region (except that we all try to get together at one Statewide Meeting each quarter) on the following Saturdays of each month: NE-1st, NW-2nd, SE-3rd, SW-4th. The actual dates may vary from month to month; 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 a lunch if you stay all day, unless otherwise noted. If you have any questions about meetings please contact the Regional Coordinators listed below:

Northeast Region:	Bob Mancuso	(386) 774-2926	rmancuso@cfl.rr.com
Northwest Region:	Dr. Ed Crane	(850) 893-3212	ncrane8364@aol.com
Southeast Region:	Richard Loughlin	(561) 287-2224	-unknown--
Southwest Region:	Erik Flett	(941) 437-3844	-unknown--

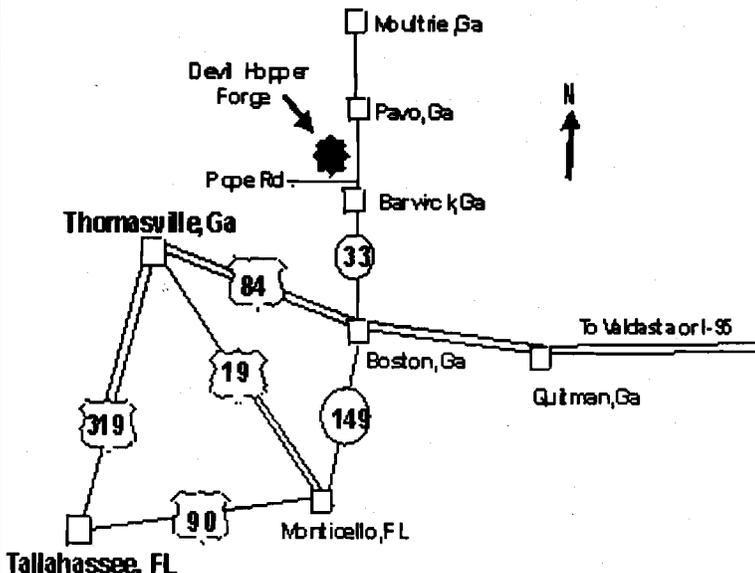
May 2002

- NE May 04** Steve Bloom, Archer - comparisons of differential heat treatment, demos by Bill Stapleton & Ronnie Fowler= lunch will be provided
- NW May 11** Devil's Hopper Forge (Wesley & Janet Pope) at Olin Pope's farm just north of Barwick, GA. Bill Robertson will be demonstrating Samuel Yellin techniques of chasing art/ Breakfast snacks and coffee will be available and a noon lunch will be provided. To broaden our learning experience, we wask evveryone who wishes to bring examples of their work for a show-and-tell table. We look forward to seeing you in May and hope that you will bring someone new to introduce to FABA.
- SE May 18** Gerry Jemison's studio
- SW May 25** - to be announced--

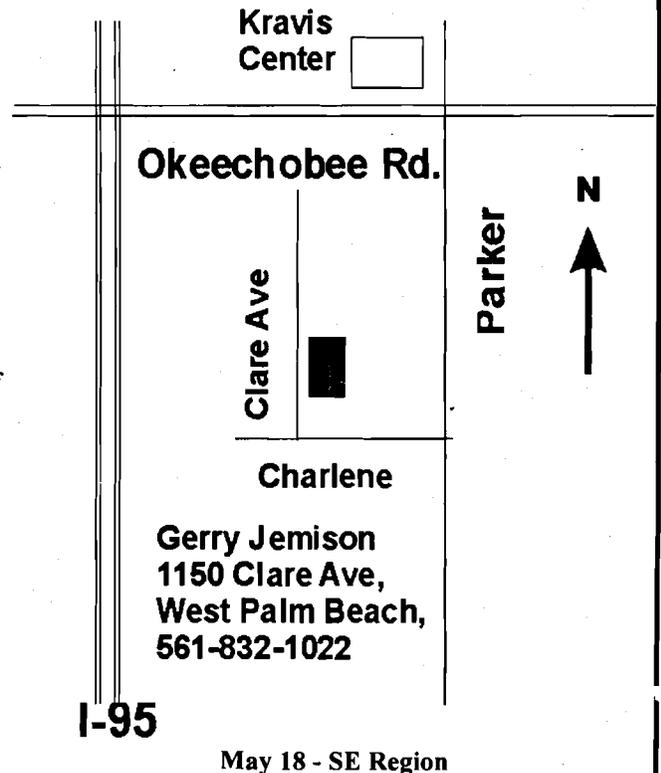


Extended Forecast

- NE Jun 01** Bob Jacoby's shop in Jacksonville, FL - Hossfeld Bender demonstration and projects. Lunch will be provided.
- SE Jun 22** Pete & Carolyn Yockey-West Palm Beach
- NE Jul 06** Pioneer Arts Settlement; Barberville, FL - open forges
- SE Jul 20** Yesteryear Village-West Palm Beach
- NE Aug 03** Mike Sluss's Shop - Deland
- SE Aug 17** Ray & Ann Reynolds -Royal Palm Beach
- NE Sep 07** Ronnie Fowler's Shop - Ft. McCoy (Ocala Forest)
- SE Sep 21** Greg Ross - Lake Worth
- NE Oct 06** Barberville: Set-up for conference



Oct 11-12
FABA Conference: Barberville



Gerry Jemison
1150 Clare Ave,
West Palm Beach,
561-832-1022

FLORIDA ARTIST BLACKSMITH ASSOCIATION

April 6, 2002

Submitted by Bob Mancuso

The Tools, Trades, and Transportation event at the Pioneer Art Settlement is over for another year and appeared to be a success. As usual ABANA was in the Blacksmith Shop and had several forges in operation. Many visitors to the settlement passed through the shop and watched things being done by the "smiths" as they worked. A number of applications were handed out. Jim Della Rosa a FABA member who is also an auctioneer ran the auction for the settlement. He said it was successful. We had 29 members signed in, but I saw some members who had not signed in so we probably had about 35 actually there. Tom Kennedy kept people watching as he made some fancy door pulls at the power hammer. Fred Kingery worked several railroad spikes into some letter openers. Final grinding will be done at home. I am aware that others did some work on the forges that were running, but I did not see what they were making. Remember the May meeting is at the shop of Steve Bloom in Archer. With this being my last month as TEMPORARY Northeast Regional Coordinator I want to thank everyone who made this easier to do and thank Bob Jacoby for finding someone who is willing to do this. More information about the new person will be found in the President's message. If I can be of any help to anyone please free to contact me either by phone or E-mail: rmancuso@cfl.rr.com.

News from the Northwest

The 13th of April 2002 was the lucky day for our statewide meeting at Clyde Payton's "Payton Forge". Except for a brief rain shower after lunch in the middle of our "iron in the hat" it was a beautiful day. One hundred five (105) names on the sign-in sheet, and I'm sure there were a few more, indicates what a great turnout we had!! There were several smiths and guests from Alabama and south Georgia as well as all over Florida.

The program began with a demonstration by Ed Crane about "hold-down tools". A variety of types were shown including a foot operated hold-down most had not seen. John Butler demonstrated making a draw knife using wrought iron with forge welded high carbon steel for the cutting edge. Skeeter Prather demonstrated heat treating, hardening and tempering of high carbon steel for cutting tools.

Throughout the morning beginners and instructors were busy in the beginner forge area (2 forges). The beginners seemed excited about their forge work. Andrew Bellamy (age 12) made a couple of nice hooks.

The board meeting convened before lunch and lasted through the lunch hour. The minutes will be reported elsewhere.

Vi Payton was a wonderful hostess. A huge spread (numerous choices) of delicious dishes provided everything anyone could want for lunch. Thanks Vi for all your work.

After lunch and after the board meeting the "iron in the hat" drawing began, officiated by Linda Holbrook. There was a temporary interruption by a rain shower. Many lucky ticket holders won some nice prizes.? Clyde was unable to convince anyone to carry away several large sheets of glass, so if you need glass call Clyde.

Clyde demonstrated some of his unique creations made with pipe. These were stands to hold lights, fans, outlets, supports, etc., etc. My words could not adequately describe these objects. They appear to be quite functional and useful. Bill Robertson demonstrated and discussed the value and advantages of a gas saver with an automatic foot pedal to turn it on and off. Bill used acetylene in the demo but usually uses propane in his own shop. He demonstrated making a chisel using air hardening H-13 tool steel. Then he made an animal head using the chisel he had just made. X-Pres. Patty Draper demonstrated making a Frances Whitaker type twisting tool and then used the tool to twist some square stock.

Of course there was a large array of tail gate sales going on throughout the meeting. Actually there was so much going on it was like a 3 ring circus. I'm sure I missed something.

As usual our gracious host Clyde Payton is responsible for a great program. We always enjoy this annual April meeting at Payton Forge and I hope there will be many more. Thanks Clyde!!

Ed Crane
Regional NW Coordinator

P.S. 2nd Sat. in May NW FABA meeting will be at the Pope farm in Barwick, Ga.
2nd Sat. in June NW FABA meeting will be at Edgar Chatten's home Wakulla, Fla..

Subject: Walt Anderson Scholarship The FABAs Board at its February meeting agreed to offer again this year the Walt Anderson Founders Scholarship. The Scholarship, you will remember, was established by the Board to honor the memory of Walt Anderson, one our charter members. Its purpose is to further the craft of blacksmithing. It is available to any FABAs member in good standing. The award is limited to actual cost or \$750 whichever is lesser. It may be used for tuition, materials, room and board and transportation (paid at the rate of \$0.25 per mile or actual cost of public transportation, whichever is lesser). The successful applicant must have convinced the FABAs Board, through a written application, that their past experience in blacksmithing is sufficient background upon which additional formal training will enhance the applicant's potential for furtherance of the craft; and the schooling sought is appropriate to that purpose. A formal application blank can be obtained from me, Chair of the Scholarship Committee. However, a simple "Letter of Application" will suffice provided it contains at least the following: 1. Name, address and phone number of applicant; 2. Brief statement of past experience in blacksmithing; 3. Brief statement as to how the additional schooling will potentiate furtherance of the blacksmithing craft; 4. Brief statement as to how the additional schooling will support the applicant's personal goal in the craft and art of blacksmithing; 5. Name of school to be attended; 6. Specific course desired and name of instructor; 7. Costs: tuition, materials, room and board, transportation (and means of transportation) The Applications should be sent to me: Skeeter Prather, Chair Scholarship Committee, FABAs, 2816 Terry Road, Tallahassee, Florida 32312 I'll happily respond to phone inquires, of course: 805/386-9246 Deadline for receipt: Monday, June 15, 2002. The Committee will carefully evaluate each application and recommend three finalist to the Board. The decision of the Board will be final. The successful applicant will be notified after the April quarterly Board meeting. Also, let us remind the readers of the availability of Scholarships from ABANA, from the Alabama Forge Council, and from the John C. Campbell Folk School. I'll be glad to help with any of these - just give me a call.

WELCOME NEW MEMBERS

Ray & Doris Aquilina

4320 Bell Shoals Rd.
Valrico, FL 33594
813-737-3775

Van & Cindy Scott

604 3rd Street NE
Havana, FL 32333
850-539-0571

Jesse Hill

5392 Charles Samuel Dr.
Tallahassee, FL 32308
850-893-6877

Russell & Jands Sands

P.O. Box 1515
Ocklawaha, FL 32183
352-288-3203

Michael & Christine Migala

4747 Lawnview
Jacksonville, FL 32205
904-389-2470

Dan Trescott

224 West 2nd Ave., Apt. 1
Tallahassee, FL 32303
850-222-2377

Matthew McKenzie

123 Locke St., Apt. A
Tallahassee, FL 32303
850-297-0447

Bill & Karen Fader

5488 9th St.
Malone, FL 32445
850-569-1299

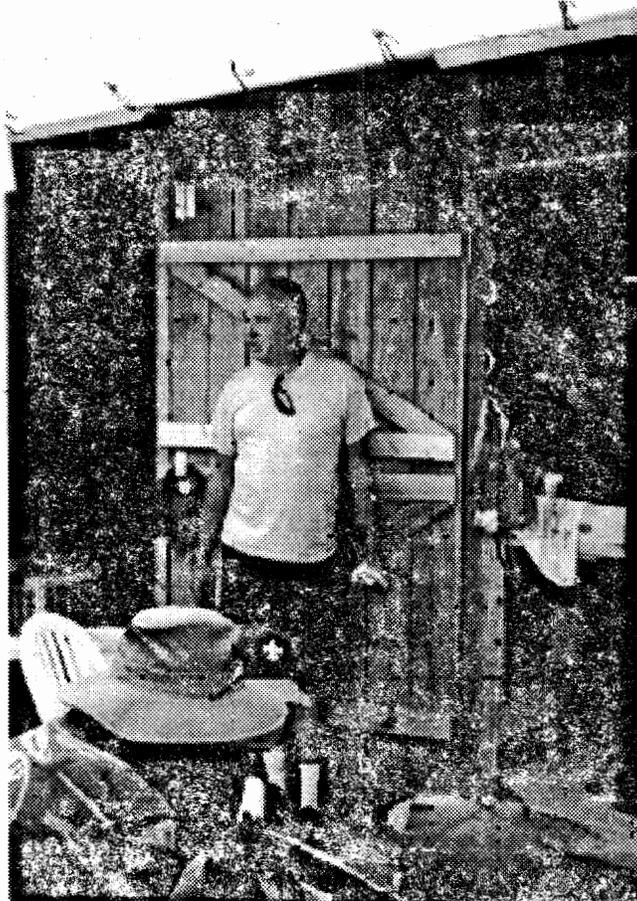
Gardner & Velleca Metal Design

3381 E Road
Loxahatchee, FL 33470
561-484-4994

Clint Griffith

1301 1st St. S, Apt. 804
Jacksonville Beach, FL 32250

"Our host" John O'Brien In the photo. sent by Dick Loughlin from the SE meeting



A Proven Gas Forge Design That You Can Build

Notes by Pete Stanaitis

Several years ago, an artist-blacksmith named Bill Callaway demonstrated for us in a 2 day Guild special event. He required a certain type of gas forge for his work, so I built one. It is the "Hans Peot" style of "pipe forge". The reason Bill required that style of forge was that he had had bad experiences with other styles of forges; they wouldn't get hot enough or had unreliability problems. Anyway, Hans, himself ran a session on his designs at the Flagstaff ABANA conference in 2000. I attended that session and got one of his handouts. Since that forge has become so popular, and since we have many new members who may not have heard about this forge, I hereby submit Hans' handout along with a few notes that I took at that conference.

My notes:

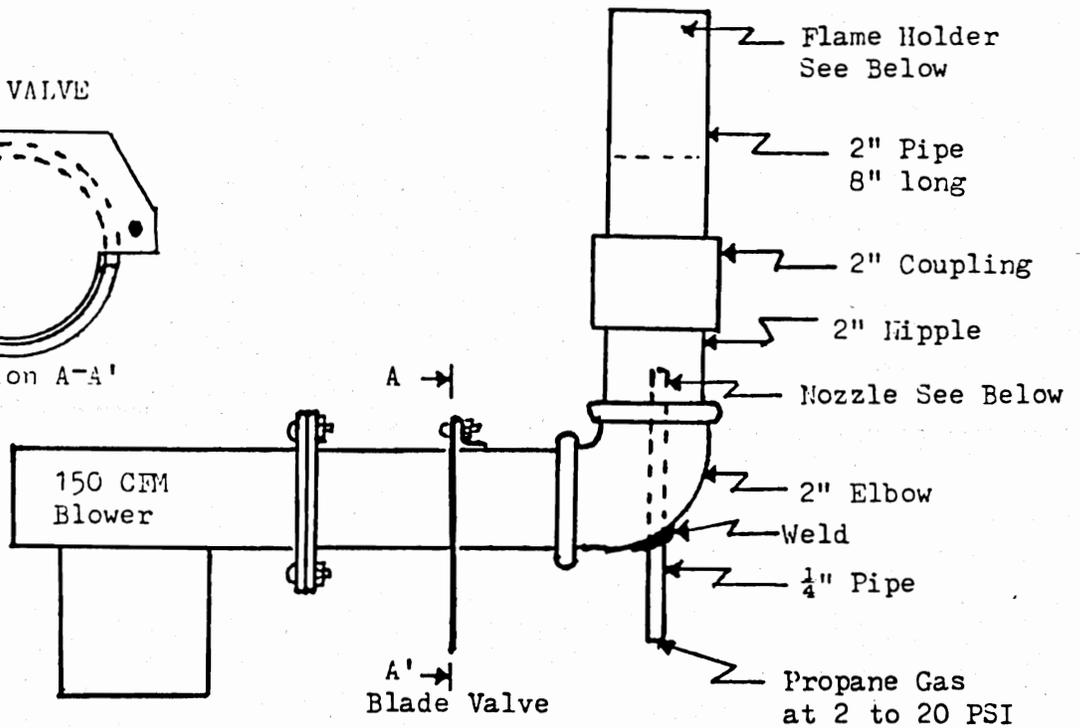
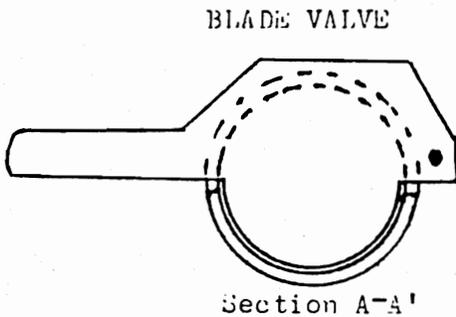
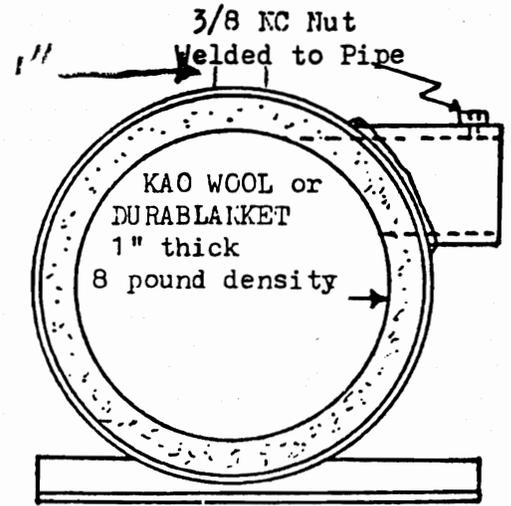
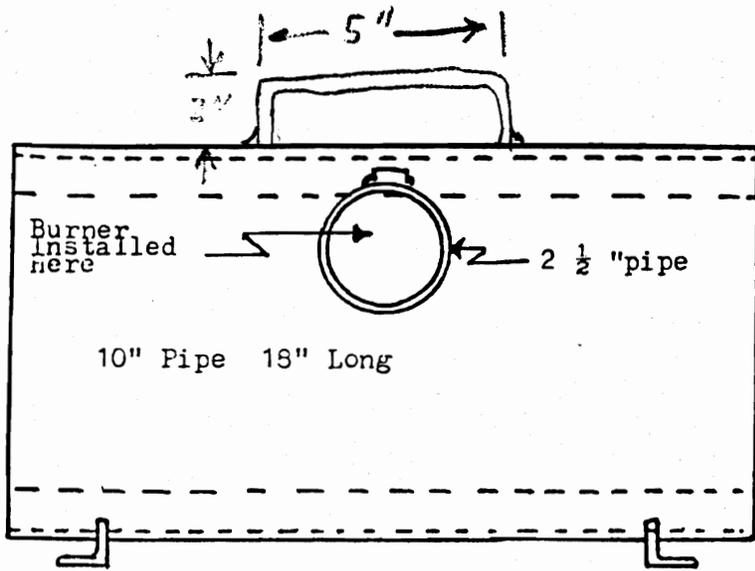
- 10" "Grain Pipe is okay, but this kind of pipe is 10 OD whereas 10" water pipe is 10" ID.
- He also makes a 12" diameter version, setting 2" bricks sideways on the floor.
- Bigger forges need a door because firebricks become impractical. Doors should be SS and should be insulated.
- A 2 foot long forge can still be heated with a single burner.
- An 8" diameter forge use a 1 1/2" pipe burner.
- Hans buys his blowers from the Surplus center.
- A longer burner is better than a short one.
- This style of burner won't work with a square forge.
- It has been suggested to coat the durablanket with ITC-100, a slurry type of product.

GAS FORGE CONSTRUCTION

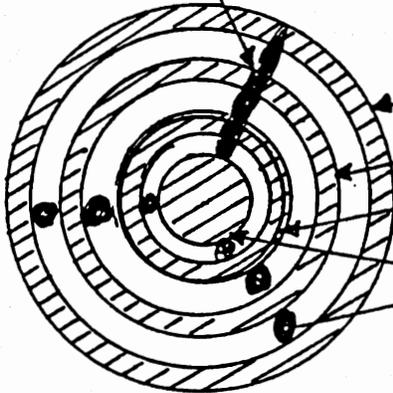
The forge is made from 10 inch pipe with a hole cut out close to the top such that when the burner is installed the flame will be tangent to the top of the blanket. A piece of 2 1/2 inch pipe is welded at this position with a 3/8 NC nut welded to the top to accept a short bolt to hold the burner in place. A one inch thick layer of Durablanket or KAO wool eight pound density is installed on the inside of the 10 inch pipe. A hacksaw blade it used to cut the blanket where the burner is installed.

The burner assembly is made from 2-inch pipe fittings with an air gate valve to control airflow. The blower is a 120 to 150 CFM blower. The nozzle is a brass plug with a 1/16 inch hole drilled in it.

CAUTION!!!!!!! Durablanket or KAO Wool gives off a fine dust when cut or handled during installation. The dust has been shown to cause cancer in animals at high concentrations of dust. On the basis of these animal tests OSHA has designated the material a carcinogen for humans. There have been no reported cases of cancer in humans who have been exposed to the dust from this material. The material has been in use since the mid fifties. Therefore, when installing or cutting this material, spray with a plant mister to dampen and wear a 3M 9970 of equivalent disposable respirator. Once the blanket is installed, avoid disturbing by it placing a one-inch thick brick in the bottom of the forge and avoid jabbing the blanket when in use. There is no hazard once the blanket is installed. A controlled test was conducted over a 10-hour



Weld Across
Ends



FLAME HOLDER

1/4" Pipe Tapped
1/8" Pipe Thread

GAS FORGE

period of use with appropriate sensors with one of these forges. The measured particulate matter is well below the OSHA standards. Once the blanket has been exposed to high heat some of the surface is converted to cristobalite, a type of crystalline silica, which is also, designated a carcinogen. Therefore, when removing wet the blanket thoroughly with water.

GAS FORGE OPERATING INSTRUCTIONS

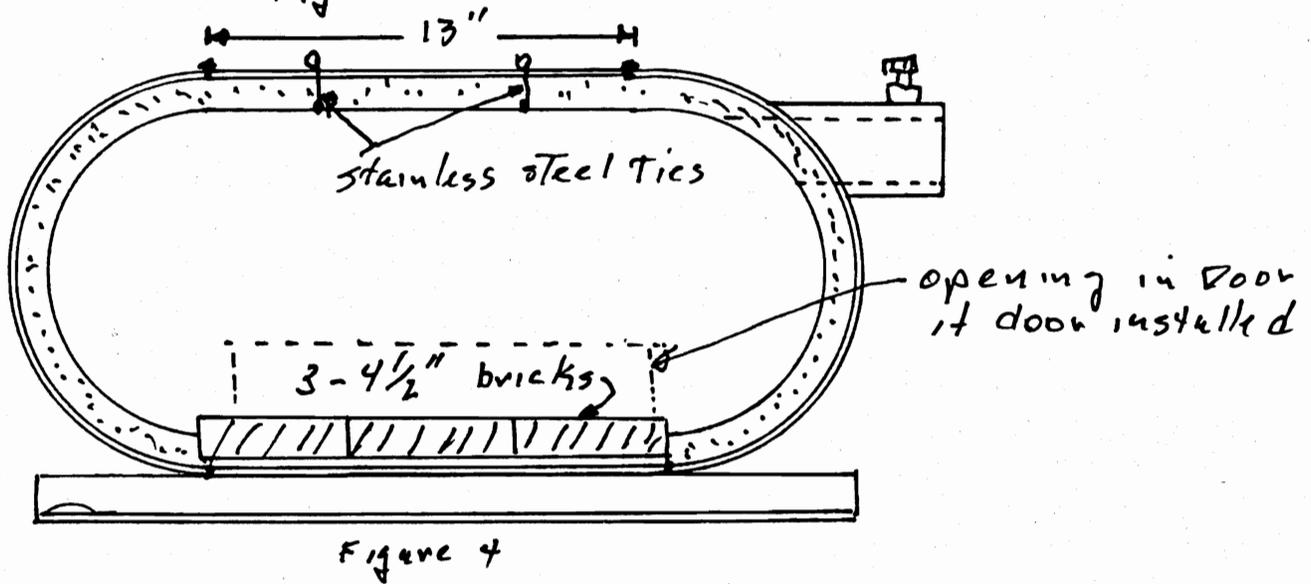
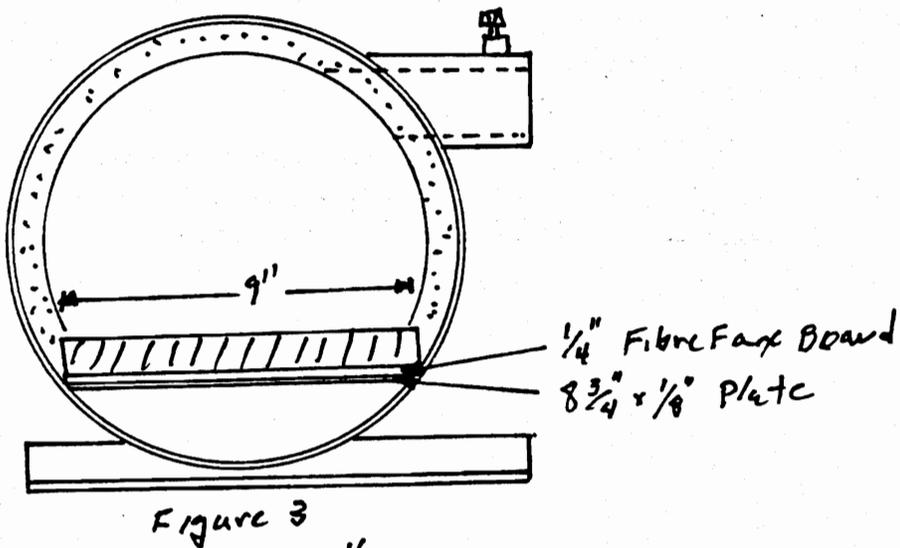
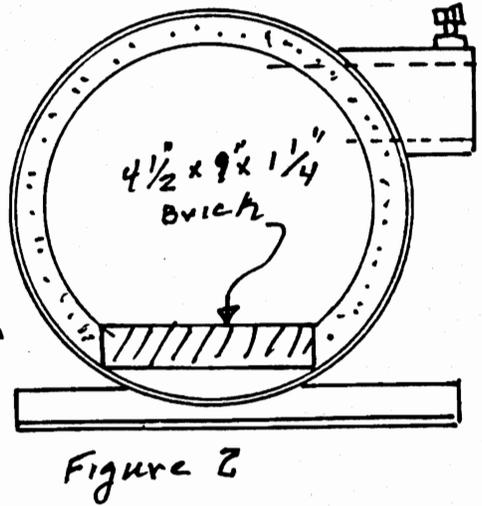
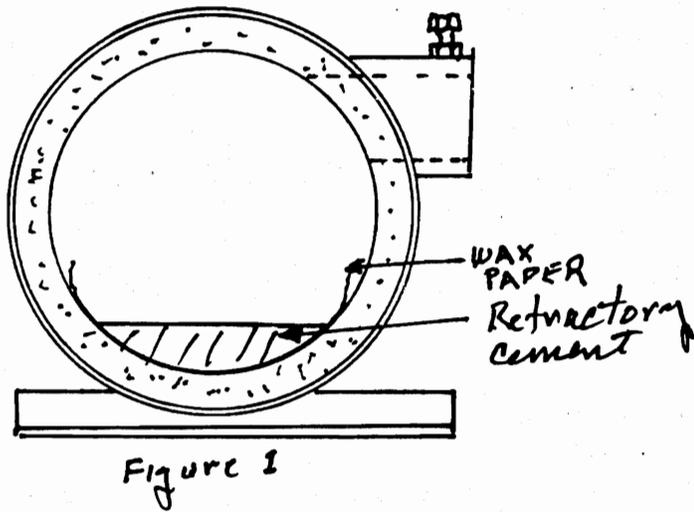
MOUNTING REQUIREMENTS: Set the forge on a non-combustible surface. Install the burner assembly so that the fan is the vertical down position so that the flame from the forge cannot enter the blower. Wrap some duct tape around the pipe where the burner assembly enters the forge. If the forge has no back block off the back with firebricks. On the front of the forge arrange the fire bricks so that you have an opening about 3 inches wide.

OPERATING THE FORGE: Connect the pressure regulator (0 - 20 PSI) to the propane tank and the hose to the burner assembly. Open the air control valve about on third. Next turn the regulator valve all the way out. Turn on the blower. Then using a propane torch stand to one side hold the flame next to the opening. Now turn on the gas on the propane tank and the burner assembly. Slowly turn the pressure regulator in until the forge lights. Adjust the gas pressure and air until the interior of the forge is the brightest. **CAUTION!!!!!!** Always operate the forge in a well-ventilated shop to prevent carbon monoxide poisoning. Once you have the forge adjusted, to shut down simply turn off the two gas valves and the blower. To re-light turn on the blower and holding the flame of a small propane torch next to the opening and open both gas valves.

ALTERNATE CONFIGURATIONS

Figure 1 is a forge that has a layer of high temperature refractory cement in the bottom. To accomplish this a layer of wax paper is placed over the ceramic material and then the wet refractor cement is placed on top of the wax paper about one inch thick. Let the refractory cement dry completely before firing up the forge. This configuration works well for the knife makers since the refractory cement is more impervious to borax flux. Borax tends to dissolve the hard bricks and the ceramic fiber.

Figure 2 shows a configuration where a 4 1/2 X 9 X 1 1/4 high temperature brick is installed directly on the bottom of the pipe with the ceramic fiber running to the edge of the brick. The brick makes an excellent working surface.



Alternate Burner Assembly

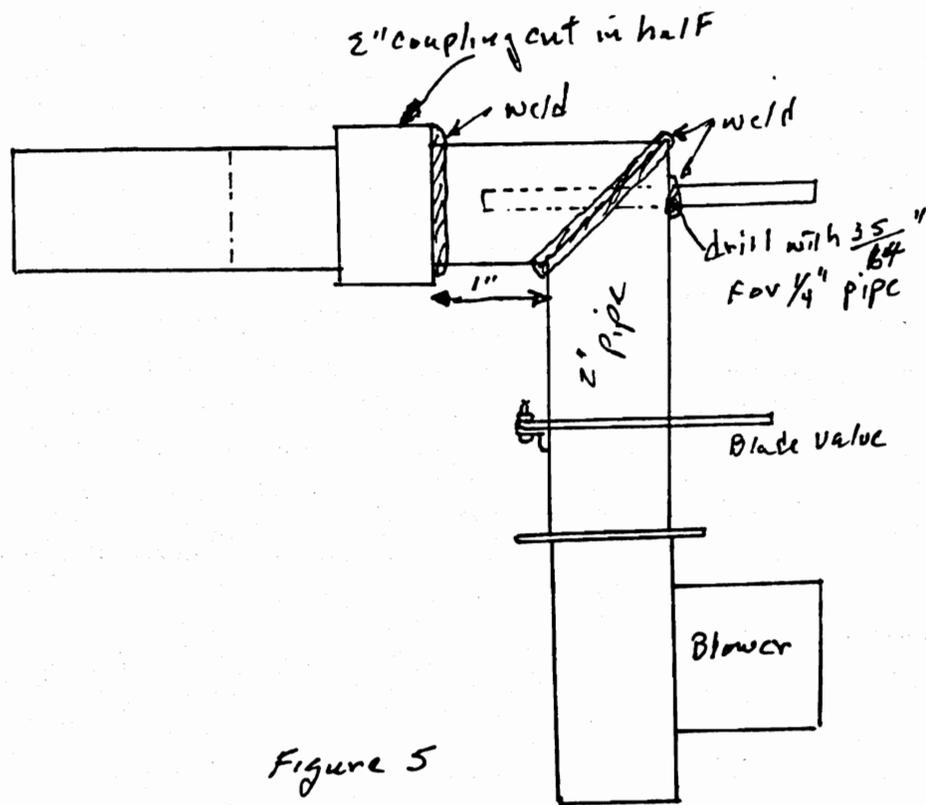


Figure 5

Figure 3 shows a forge made out of a piece of 12-inch pipe. A piece of 1/8 inch plate 8 3/4" wide is welded to the bottom of the pipe. A layer of 1/4" ceramic fiberboard is placed on top the plate to reduce the heat loss through the bricks. Nine inch half bricks are than set on top of the ceramic fiber. A plate can be welded to the back of any of these forges and lined with ceramic fiber. A small door can be cut in the back so accommodate longer pieces of work. Any pipe can be used. However in order to make the forges lighter it is suggested that 14 or 10 gauge grain pipe be used.

Figure 4 shows a wider forge for larger work. The 10 inch pipe can be cut in half length wise and different width plates can be welded to the edges to provide extra width. Making the increase in width multiples of 4 1/2 inches precludes the necessity of cutting bricks. The forge shown 13 inch plates were welded to the edges allowing three 4 1/2 half bricks to be placed in the bottom. A 1/4 inch ceramic fiber board 13 1/4 inches wide is placed under the bricks to cut down on heat loss. It becomes difficult to place bricks in front and back of the forge. A plate can be welded to the back and lined with ceramic fiber and a door hinged at the top and lined with ceramic fiber can be installed on the front. The door on the front should have an opening about 3 x 10 inches on the bottom center. The same burner will provide sufficient heat with higher gas pressure and greater air flow.

FABA Officers

President	Bob Jacoby	(904) 260-9981	jacoby@fdn.com
Vice President	Bill Robertson	(850) 668-2876	applecrossforge@nettally.com
Treasurer	Deana Baggett	(850) 878-8535	wbaggett@mailier.fsu.edu
Secretary	Karen Wheeler	(352) 486-4370	kwheel@svic.net
Program Chair	Dot Butler	(850) 539-5742	jgbutler@sprintmail.com
Past President	Patty Draper	(850) 668-2876	applecrossforge@nettally.com
Trustee #1	Joel Clark	(904) 321-2116	jac@net-magic.net

FABA MEMBERSHIP APPLICATION

Florida Artist Blacksmith Association, Inc.

Date _____ New Renewal

Name _____

Address _____

City _____ State _____ Zip _____

Phone: Home _____ Work: _____

E-Mail _____

Spouse's Name: _____

If you do not wish to be listed me in the printed FABA directory, please check the box to the right

Send this application and a membership fee of \$20.00 to

Dena Bagett, FABA Treasurer
6840 Bird Song Trail
Tallahassee, FL 32309

Make check out to FABA. Your FABA membership begins when we receive your payment and lasts one year. Membership is for a family. You don't have to be an ABANA member to join FABA, but many FABA members are, and we encourage membership in both organizations. See our web site for details.

the florida Clinker Breaker
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