

VA 3536

THE VIRGINIA *Blacksmith*



In this Issue

- Pg 3 — Ted's Garden, Part 3: Rose from Square Tube
- Pg 5 — Bellows—Free to a Good Home
- Pg 6 — Look Closer
- Pg 7 — CVBG News
- Pg 8 — News from the Banton-Smith Center
- Pg 9 — The Banton-Smith Center is on the Move!
- Pg 12 — SWVABG News
- Pg 13 — Hardening and Tempering a Hammer Head
- Pg 15 — The Hinge Work of Notre Dame de Paris Cathedral
- Pg 16 — Important Safety Message: Watch what you Wear
- Pg 17 — Blacksmithing Events!
- Pg 18 — Virginia Institute of Blacksmithing Class Listings
- Back Cover — Market Place
- Back Cover — Christmas Mouse Tree Ornament

On the Cover

Virginia House, Mexican ironwork, Richmond, Henrico County, Virginia
circa 1929-1930

Source: Library of Congress



Disclaimer

Blacksmithing is a lot of fun, but comes with inherent dangers. All members, demonstrators, and guests are responsible for using appropriate safety equipment and for using safe working methods. Minors must be accompanied by a parent or responsible adult.

The Southwest Virginia Blacksmith Guild, Central Virginia Blacksmith Guild, their officers, members, demonstrators, guests, hosts, writers, and the editor disclaim responsibility for any damages, injuries, or destruction of property as a result of the use of any information published in this newsletter or demonstrated at workshops, meetings, or conferences.

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Unless otherwise noted, all content is available for use by nonprofit blacksmithing and metalsmithing groups, provided the source is cited.

Coming Events

September 14 - 9 am - 1 pm

CVBG September Meeting
Featherstone Forge
Hunter Perkinson's shop

September 21 - 2 - 4 pm

SWVABG September Meeting
Great Road Craft Guild
1812 Big Spring Dr; Elliston

October 12 - 9 am - 1 pm

CVBG October Meeting
Hollowing Creek Forge
John Kronberg's shop

October 19 - 2 - 4 pm

SWVABG September Meeting
Smithfield Plantation
1000 Smithfield Plantation Rd., Blacksburg

Ted's Garden, Part 3: Rose from Square Tube

by Ted Banning

Materials Required:

- About a foot of Square Tube, 1.5" x 3/16 or 1/8" wall thickness.
- At least a foot of 1/4" or 5/16" round stock.
- A fullering tool , also called a guillotine tool
- A small ball stake, or a large ball peen hammer clamped in a vise.
- Hacksaw or cutoff wheel in an angle grinder. A bandsaw is not recommended for this application

The Stem

Using the fullering tool, forge a groove about a half inch from the end all the way around the stem. Don't go too deep.

The Blossom



Using a hacksaw, make cuts on all four faces of the square tube at a 45° angle, all going in the same direction. The angle is important; don't make the cuts too long.

Take the pipe and use the fullering tool to forge a groove about 3 inches from the end . This will take several heats. Take care not to pinch the pipe too much, checking periodically with the 1/4" rod for a snug fit. The Blossom will start to flair a little from this procedure.

On the horn of the anvil, continue to flare out the end into a sort of a cone. Hammer down the corners of the square tube until they're flush.



Tip the rear of the square tube up as you rotate the piece and hammer until a nice, smooth 45° cone takes shape.





Thin the ends of the petals significantly on the horn and then on the ball.

Hammer each petal over the ball to give a full, rounded look.

Start converging the petals over the ball, bringing the tips toward each other until they start to close.

Using pliers, bend the very tips of the petals inward, tucking each one in behind the next petal.



Rotating as you go, start hammering the petals closer and closer together until the blossom has closed up. This is faster on a swage block, because the side on the bottom keeps it's curve.

Cut the Blossom off of the main piece leaving a bit flare at the end



Assembly

Slide the Blossom onto the stem. Center the groove in the Blossom over the groove in the end of the stem

Put the parts in the fullering tool and crimp the blossom until it's tight. This is best done by heating the blossom but not the stem.

Tips

- Add some leaves to the stem
- Gently curve the stem to make it more lifelike
- Put two in a small vase
- Apply wax or paint

Ted is grateful to Bill Epps for showing him how to forge this rose.



Bellows—Free to a Good Home

CVBG was given a double-lung bellows built using traditional blacksmith bellows design & plans (using modern materials) by Artist Heather Theresa Clark as a part of a sculpture exhibit. The bellows is 6 feet long x 4 feet wide and the frame is 5 feet tall. It is made of plywood and leather and weighs about 100 pounds. It is well constructed, fully functional, and delivers a good, steady supply of air.

The Guild does not have space to display, store, or use this bellows. We would like for it to have a home where it will be used and appreciated (not just a keepsake to be stored in a barn somewhere or left out in the weather to deteriorate). If you are interested, it is available to CVBG members, first-come-first-served, free of charge. Contact cvbgboard@gmail.com and provide your name and contact information.

It is currently located approximately 1 mile west of Petersburg, Va. You will need to arrange for pick-up and transportation. Loading onto your vehicle will be provided.

If you are interested in seeing a video of the bellows in operation as part of the sculpture by Artist Heather Theresa Clark, here is a link:

<https://vimeo.com/200180167>



Look Closer

by Jerry Veneziano

It's no secret that I'm a fan of Ellen Durkan and her work. Her forged corsets, dresses and other wearables are made using the same techniques as you would a fine gate or railing. She just puts them on people, rather than on the land. The result is solid and sturdy, yet light and delicate at the same time. And, yes, sexy. For many of us, that's all we see when we look at her work.

Look closer.

Consider for a moment her face-piece, at right. It's beautiful. It's well-crafted. It's certainly unique. It's...it's...

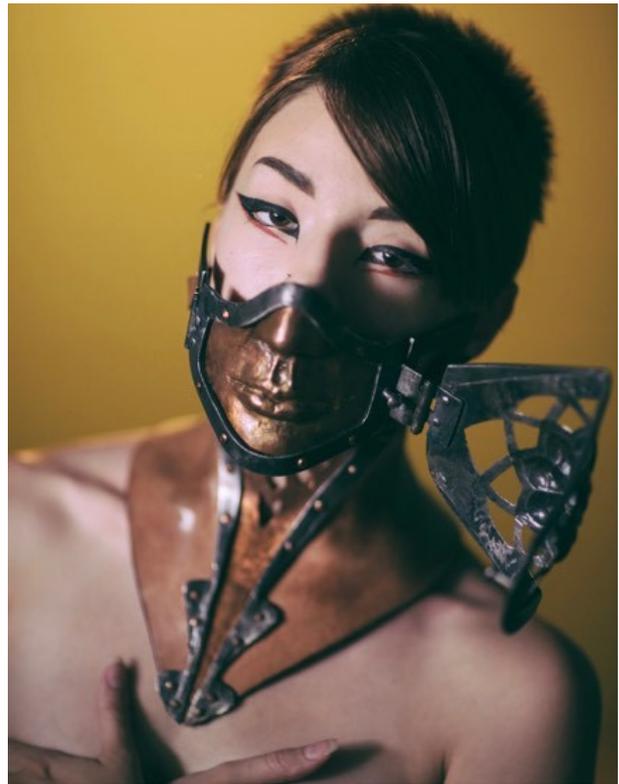
It's a muzzle.

Maybe it's saying something about how our society tells women to "shut up and look pretty." How we seem to have long treated women more as ornament than as truly valued, equal members of society. As somehow lesser.

But wait! The muzzle is hinged. You can open it up. Does this mean that we've moved beyond where we were, and that people are now free to speak their own truth? Maybe, but when the muzzle is moved away, the face it exposes is a false one. A beautiful example of chasing and repousse - a mask. Much like the mask that all too many of us wear to fit in, presenting a version of ourselves that is acceptable to society, that doesn't ruffle feathers or challenge expectations. But this mask is also hinged. You can open it, as well, and only by doing so, by showing who you truly are, can you really be free.

Ellen has described her work as gates that go on people. Gates are guardians, protectors. They allow you to glimpse the beauty beyond the wall, but they also keep the viewer at a safe distance. They also keep what's precious within. Only the privileged are allowed to pass through the gates.

Many of her dresses and corset designs include a small section that's hinged and opens like a locket. Locketts are designed to hold something precious. Is it an accident of anatomy that Ellen's locketts rest on the



Ellen's face-piece. Photo Credit: Joe Hoddinott
Model: Damara Peraino.
Photo courtesy of Ellen Durkan

abdomen, where mothers carry their children for 9 months? Maybe...

Or, I could be wrong. It doesn't so much matter what my interpretation of the work is, or whether you or I agree with the message. What does matter is that there *is* a message.

Great art doesn't have to be beautiful, though of course it often is. It doesn't necessarily *have* to be well-crafted. It does have to say something; it needs to make you think, to feel. Ellen's work does - and it's beautiful and well-crafted, to boot.

Now, what about your work? What is it saying?

What is it saying about you?

For more about Ellen's face-piece, please view "Speak" at <https://www.youtube.com/watch?v=k7HD2EM4yUY>



Central Virginia Blacksmith Guild

1600 Valley Rd., Richmond
cvbgboard@gmail.com

2019 Board of Directors

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Meetings

2nd Saturday of the month - 9 am - 1 pm

In the News

Join us at Hunter Perkinson's Featherstone Forge on the shores of Lake Anna for our September meeting, and at John Kronberg's Hollowing Creek Forge in October!

Bellows—Free to a Good Home

The guild has acquired a double-chambered bellows that needs a new home. See page 5 for details.

Update on the Move to Goochland

After over a year of discussion and negotiation, a light may be at the end of the tunnel for moving our home base to Goochland. See page 9 for details.

The Banton-Smith Center Needs You

Several opportunities are available at the Banton-Smith Center. We need teachers to offer classes—all levels. Also need an Executive Director to manage the day-to-day operations of the Center. Remember, the classes we offer through the school help keep the lights on for us all.

Free Money

Don't forget to apply for the guild scholarship! Go learn something cool, then bring it back and share with us!

Board Elections are Coming!

All positions are up for reelection. Be an active voice shaping YOUR guild! Talk to any board member to throw your hat in the ring!

CVBG on the web

www.cvbg.org • facebook.com/cvblacksmith/ • pinterest.com/cvblacksmith/ • zazzle.com/cvbgstore

September CVBG Meeting

Featherstone Forge

September 14

October CVBG Meeting

Hollowing Creek Forge

October 12

HELP WANTED

CVBG is looking for a new

Executive Director

to manage the day-to-day operations of the
Banton-Smith Center for Blacksmith
and Metal Arts.

If you think you might be up for this fun and
challenging **volunteer position**, please let any
board member know, or email
cvbgboard@gmail.com.



Coming Soon to the **Banton-Smith Center!**

Nov 2 & 3 - Blacksmithing Sculpture with Ted Banning

CVBG Members - \$200

This class will build on the skills of tapering,
texturing, and bending to produce several
aesthetically pleasing, individualized works that
show expression and movement.

Some experience is suggested, but not required.

Banton-Smith Center for Blacksmith &
Metal Arts

1600 Valley Road, Richmond

*facebook.com/BantonSmithCenter, or
bantonsmith.center@gmail.com*

The CVBG Banton-Smith Center is On The Move!

By Bruce Manson

The Central Virginia Blacksmith Guild “home base”, currently located at the Shockoe Valley Manufacturing facility, 1600 Valley Road, Richmond, is a step closer to moving to a new location to be able to better serve our membership and fulfill our mission of education and public awareness of blacksmithing and metal art. We have signed a contract with Goochland county for space at the Goochland Central High Cultural and Educational Complex Artisan Center, 2748 Dogtown Road, Goochland.

Goochland County has embarked on a multi-phase program to rehabilitate the historic Central High School and create a facility that will incorporate a Cultural Arts Center with a 170-seat multi-use auditorium; community recreational facilities including baseball, soccer, hiking trails, walking track, & basketball; a county museum; Goochland County Agricultural Extension Office; the Monacan Soil & Water Conservation District offices; and the Artisan Center.

Central Virginia Blacksmith Guild was approached by Goochland to be the anchor organization for a community craft center, ultimately to include a variety of traditional craft organizations (fiber, ceramics, metal, woodworking, historical, etc.). Titled the Artisan Center, the goal is to foster interest in and public exposure to traditional crafts, provide craft organizations space to work and display their products, and to provide educational opportunities for the public.

We’re excited to be a part of this concept and program! The move will provide CVBG with a space that is larger and better configured for blacksmithing and metalwork; clean & well-lighted; improved ventilation, heat, and air conditioning; separate areas for blacksmithing & metalwork, classroom, library, meeting room, and equipment storage; parking; and space for outdoor activities. Also, it will provide an opportunity and space to expand our educational offerings by allowing more forging stations, improved equipment utilization & access, classroom space, clean layout/design/craft space, better organization of storage, and a safe/secure environment.

The Central High Cultural and Educational Complex is located about 35 miles west from Shockoe Valley Mfg., easily accessed via I-64 west from Richmond to the Gum Spring exit then south on Rt. 522 (Sandy Hook Rd.), right onto Rt. 673 (Whitehall Rd.), and left onto Dogtown Road. It is about 5 miles north of the village of Goochland on Rt. 522 (Sandy Hook Rd.) then Rt. 673 & Dogtown Rd.

The target date for completion of the agreement and having the facility ready for our occupancy is October 15, 2019. Following the signing of the contract agreement on July 31st, the Goochland Board of Supervisors have to approve the agreement and construction plan at their August meeting, a public notice must be issued, a public meeting must be held for input from county residents, and final Board approval to fund and commence construction will be granted at their September meeting. Goochland County leaders, administrators, and citizens have been very supportive of the program and there is confidence that this sequence of events and timing will be met without any opposition.

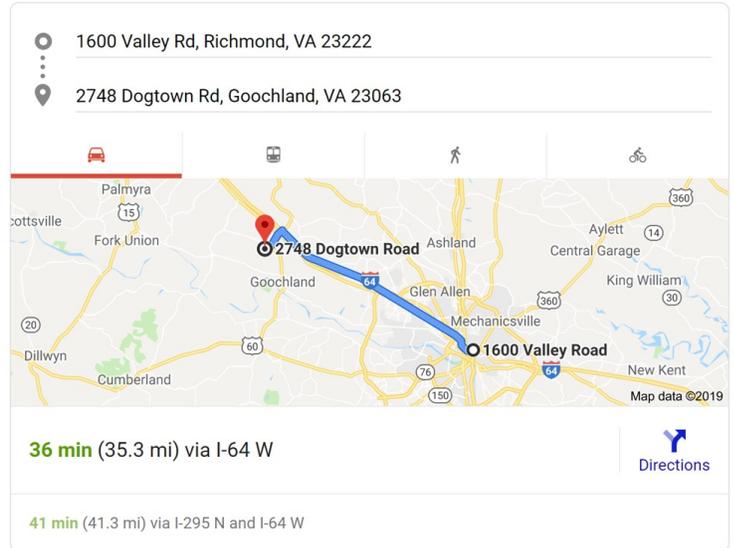
So!.....Central Virginia Blacksmith Guild, Here is what we (that is all of us) need to be doing.....NOW!

- Start saving boxes – sturdy/strong boxes, not too big, no more than 12 inches deep, that can be used to pack and carry hand tools and smaller tools/parts. We will want to segregate tools by type (hammers, chisels/punches, top tools, tongs, anvil tools, etc.) as we collect and move them so we can generate an accurate inventory of Guild equipment.
- Check your tool racks and toolboxes. We are missing several hammers, tongs, and other hand tools. If they accidentally ended up with your equipment after a meeting or in your vehicle after transporting them to a demo or if you borrowed them & forgot to return them, PLEASE return them – no questions asked.
- Check your schedule for mid-to-end of October and plan time to volunteer to help – pack up, inventory, transport, deliver tools & equipment. We don’t know the exact dates yet. We will

communicate them as we get closer, but plan some time to volunteer.

- Be on the look-out for communications. We will be developing lists of tasks to be accomplished, equipment/transportation needs, sign-up sheets, etc. As we learn more about dates & times, we will communicate them. PLEASE respond promptly and plan to help. All of us, working together can make the transition easy and timely.

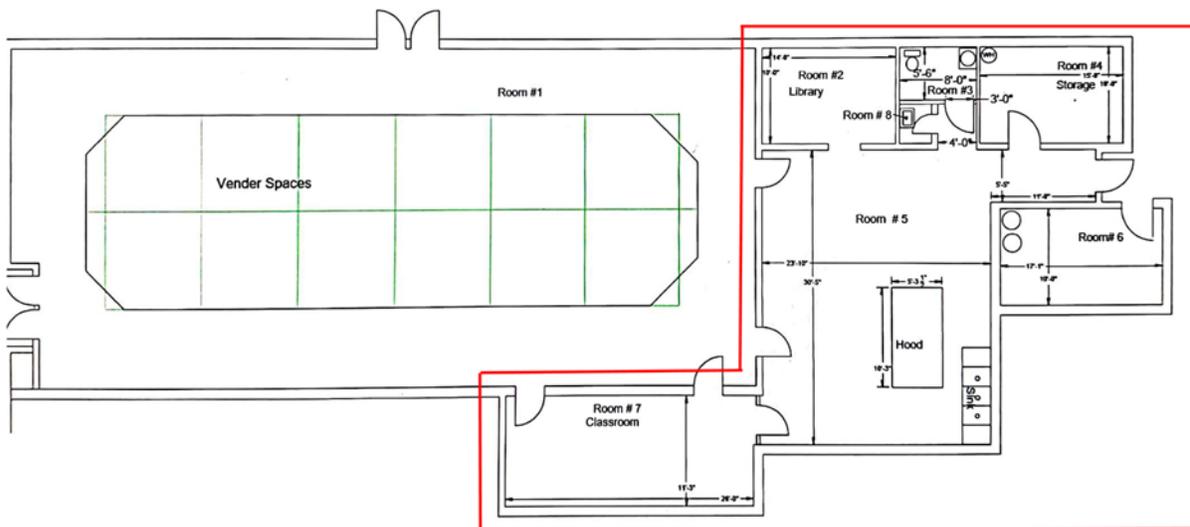
We're looking forward to this opportunity for Central Virginia Blacksmith Guild to move forward to serve our members, fulfill our educational mission, provide a safe, secure future for the Guild, and be a part of a worthwhile community of craftsmen & artisans.



Goochland Central High School Cultural and Educational Complex

2748 Dogtown Road, Goochland, VA 23063

Central Virginia Blacksmith Guild Site



Indicates Central Virginia Blacksmith Guild Area within the Artisan Center at Goochland Central High School Complex.

CVBG Scholarship Application – 2020

Each year, CVBG awards a scholarship of up to \$500 to a member to be used for a blacksmithing or related class, or to attend a blacksmithing conference or seminar. The scholarship must be used within 1 year of its being awarded; in certain circumstances this deadline may be extended. Scholarship recipients agree to demonstrate what they've learned at a CVBG meeting within a year of their class, and to write an article about the class for the newsletter. Scholarship winners will also head up next year's scholarship committee. One scholarship will be awarded at the December 2019 meeting.

Eligible applicants are members in good standing with the Guild who have attended several meetings within the last year. If you meet these requirements and would like to apply, please complete the application below and **MAIL** to:

CVBG
1630 Fairfield Green Rd
Henrico, VA 23238
ATTN: Scholarship

Name:

Phone:

Email:

Years in the Guild:

How will you use the scholarship?



swvabg@gmail.com

2019 Board of Directors

President

Joshua Langfitt

Vice President

Eric Collins

Treasurer

Henry Bryant

Secretary

Gabrielle Judy

Meetings

3rd Saturday of the month - 2 - 4 pm

Meetings are held at either:

Great Road Craft Guild

1812 Big Spring Dr.

Elliston, VA 24087

Or

Historic Smithfield Plantation

1000 Smithfield Plantation Rd.

Blacksburg, VA 24060

(completely surrounded by the Virginia Tech campus)

In the News

It's been great seeing everyone turn out this summer, in spite of the sun trying to kill us. Let's keep it up as we move into the cooler months! September we'll be at the Guild Hall, then October, back to Smithfield.

Board Elections are Coming!

All positions are up for reelection. Be an active voice shaping YOUR guild! Talk to any board member to throw your hat in the ring!



On the SWVABG Board!

Hardening and Tempering a Hammer Head

with Joshua Langfitt ~ SWVABG July 2019 Demonstration



“...the hammer head is in the forge heating up to critical temp in preparation for a final thermal cycle to normalize prior to hardening.”

“Resting and cooling down in normalization.”





Hardening Quench

Quenching medium is “...10 year old used fryer oil scavenged from the pits of hell when I was slaving away as a cook at Virginia Tech.”

“Gas off using the residual heat to temper....
Down and dirty method.... Warning not super
accurate.... Your milage may vary....but it
works.... “

This is followed by another quench in the oil.



From the Facebook post dated July 20, 2019. Quotes are
FB comments by the demonstrator, Joshua Langfitt.
Photo credit Henry Bryant

The Hinge Work of Notre Dame de Paris Cathedral

John Dittmeier, Silver Spring, Maryland

In December 1977, John Dittmeier conducted personal research on decorative ironwork within the libraries of Paris, namely the library of the Museum of Decorative Arts, Louvre. He photocopied [a] series of articles by the great French art smith, Emile Robert (1860-1924), on the remaking of the hinge work of Notre Dame de Paris Cathedral by the art smith Pierre Boulanger (1813-1891).



Screenshot of part of page 55 of the 1896 book.

The link <http://bit.ly/2vjgKbB> takes you to 1896 and 1897 books *L'Art de la ferronnerie ancien et moderne* by Emile Robert. In the 1896 book, the photocopied pages from Dittmeier's original article begin on page 55.♣

*The recent ruinous fire at Notre Dame de Paris Cathedral brought this to the fore. Some time ago Linda Murphy forwarded an essay and research by blacksmith John Dittmeier on the hinge work of Notre Dame. He is the smith who discovered the Emile Robert essays in the Paris library and online. This is based on recent contacts with him. John also created two interesting wall murals, *Revival of Artisan Blacksmithing*, which are available on the ABANA website, abana.org. [Resources](#).*

Brief History. The French Revolution and later uprisings in early 1800s damaged Notre Dame de Paris Cathedral and the hinge work of its portals....In 1831, Victor Hugo authored the novel *The Hunchback of Notre Dame* in part to honor and preserve medieval Paris.... In mid-19th century, France engaged architect Viollet-le-Duc to lead the restoration of medieval monuments, including Notre Dame....Viollet-le-Duc, in turn, engaged smith Pierre Boulanger to restore the hinge work.... In the late 1890s, Emile Robert composed his essay on the making of the new hinge work as part of his effort to restore the trade in France. There is also the legend of the original hinge work, in which church authorities challenge the original smith, Biscornet, since for the church it was inconceivable that a human could replicate the ornaments of the hinge work. To place the work of Boulanger and Robert in context, one should view the wall mural timeline *The First Modern Revival of Artisan Blacksmithing* on the ABANA website, abana.org, [Resources](#). ♣

Also See: *The Devil's Blacksmith Project, Reconstructing Band Hinges on Notre Dame.*

Members of the Hungarian Blacksmiths Guild created a documentary about blacksmith Walfrid Huber's reconstruction work. Visit thedevilsblacksmithdocumentary.blogspot.com.

Important Safety Message—Watch what you Wear

—*Celeste Flores, from her Facebook post*

Most of you already know about this but for some this is new. I wanted to give an update on my condition and I want to share what happened so it doesn't happen to anyone else.

A little over a year ago the flannel shirt I was wearing caught on fire while I was using an angle grinder. The flannel was 99% cotton. It was a used shirt, but newly washed with no grease or oils. It was a thin flannel. We usually think of all natural fibers as being fairly safe to wear. Since then I've seen my colleagues continually wearing similar clothing around fire without apparent worry. I myself went 12 years before such an accident occurred.

As far as I know there were no mitigating circumstances. A plain cotton Haynes t-shirt I was wearing underneath saved my torso. It was unsinged. The fire spread rapidly and resisted my efforts to extinguish through smothering with my hands or by rolling on the ground. I was lucky enough that someone was near by to put me out with a fire extinguisher. By then the fire was burning my hair, my ear and my respirator. My respirator saved my face. I was using these tools in the same way most of us use them. There was nothing special or unusual about this incident except that it was a perfect storm of circumstances. I honestly hate talking and thinking about it, but it's important for everyone in the industry to know. Wear flame retardant clothing. Wear your apron. Do not wear flannel, I think it being nappy increased it's flammability. (Though we did take a lighter to it for a good 45 second after the incident and could not get it to light up like it did on me.)

For those of you who know about this and for everyone who keeps asking, I have recovered. I received a skin graft for the 3rd degree burn and spent about 3 months mostly in bed recovering. I was in bad shape for a while but that spurred me to start lifting weights again and with time and a lot of work I regained my strength and ability. I'm fine.

Anyway I don't like to talk about it, but I think people should know. And if you troll this post your comment will be deleted. I don't want to hear it.

Celeste Flores is the creative force behind Clay and Steel, producing ceramic and metal work in the San Francisco-bay area. She's also an instructor at The Crucible, and a member of the California Blacksmith Association Board of Directors.

This was originally posted on Clay and Steel's Facebook page. We've reprinted it here with permission from Celeste. Please contact her before you reprint.



Call for Artists: Tributaries Exhibition

Apply

www.metalmuseum.org/tributaries

The Tributaries exhibition series began in 2008 with the goal of supporting underrepresented metal artists with solo exhibitions at The Metal Museum. Tributaries features artists whose work is beginning to have a significant impact on the metal arts community.

Blacksmithing Events!

SOFA QuadState 2019

September 26—29

Miami County Fairgrounds, Troy, OH

<https://sofablacksmiths.org/event/quadstate-2019/>

6th Annual Alchemist's Picnic

October 4 - 6

Touchstone Center for Crafts

Farmington, PA

Presentations by Tom Muir, Brian Ferrell,
Sean MacMillan, Lucy Derickson, Lindsay K. Gates,
Adam Kenney, and Paul Rosenblatt.

Striking Iron: The Art of African Blacksmiths

April 17, 2019 - October 20, 2019

National Museum of African Art

Smithsonian Institution

Washington, DC

BGCM Blacksmith Days

May 16—17, 2020

Carroll County Farm Museum

Westminster, MD

Demonstrations by Caitlin Morris & Brent Bailey



Early Registration underway at

abana2020.com



VIRGINIA INSTITUTE OF BLACKSMITHING

200 W. 12th St., Waynesboro, VA 434-960-9718 vablacksmithing.org

Sept 7 - 8 — Throwing Knife and Tomahawk

Like darts, but far, far more serious. Make a set of three regulation throwing knives and three throwing tomahawks. Get instruction on throwing practices at our throwing lanes right here at the school. Shop safety, fire management, and proper hammering techniques will be covered in this beginning level course.

Sept 14 - 15 — Floral Forms

Sept 21 - 22 — Blacksmith's Knife—Chopper

Learn to forge a knife in this two day, blacksmithing centered, knife making class! The first day, you will start on the forge and anvil where you'll be shown how to shape a knife blank with the hammer and anvil. The second day will be spent shaping and honing the knife blank on knife grinders into a sharpened tool. You will be provided with oak handle scales and copper pins to complete your knife. The goal is for you to leave with a finished, working knife. *This is NOT an ABS class!*

Sept 28 - 29 — Build a Hatchet

Build your own hatchet! This course will cover forge welding, lamination, mechanical joining, and tool making. A handle will be provided so students can leave with a complete tool. This class is suitable for the ambitious novice or experienced beginner.

Oct 19 - 20 — Blacksmith's Knife—Kitchen/Chef

Oct 26 - 27 — Build a Hatchet

Nov 9 - 10 — Pattern-Welded Damascus

This blacksmithing class will show you how to forge pattern welded Damascus. This class is best for the experienced beginner. It is best if the student is familiar with managing a fire prior to this course. Any of our other blacksmithing courses would suffice as that pre-requisite. If you have a forge at home that you work on, that also counts as experience. There is a lot of forge welding and power hammer work with this class. Each student will be able to take away all of the Damascus billets they make. From there, you could forge it into whatever shape you would like.

Fire management basics and shop safety will also be covered. Because of the noise of the power hammer, it is recommended that students bring over the ear hearing protection. We have in-ear plugs available.

Nov 16 - 17 — Blacksmith's Knife—Hunter/Utility

Nov 23 - 24 — Build a Hatchet

CVBG Membership Application

Name:	H#	M#
Street:	Email:	
City:	State:	ZIP:
Are you willing to host a CVBG gathering?	Yes___ No___	ABANA Member
Are you willing to demonstrate for a CVBG gathering?	Yes___ No___	Yes___ No___
Suggestions for CVBG demonstrations: _____ _____		
Are you a: Professional___ Hobbyist___ Just interested___ Other_____		
<p>Central Virginia Blacksmith Guild Liability Release Form</p> <p>I, the undersigned, realizing the potential hazards involved in the craft of blacksmithing, will not hold the Central Virginia Blacksmith Guild, it's officers, demonstrator(s), or host(s) responsible in the event of any accident or injury incurred during an association function or at any time a sponsored activity concerning blacksmithing or metalworking is occurring. I am aware of the requirement to wear safety glasses during association demonstrations and will do so. I am aware also of the possibility of hearing damage due to the nature of the craft and accept the responsibility of taking the necessary steps to protect my hearing. It will be my responsibility to inform any family member or guest that I may bring to a demonstration of these potential dangers and advise them of all necessary precautions.</p>		
Signature _____		Date _____
<p>RETURN COMPLETED FORM TO- CVBG Karen Smart 2705 Buckhorn Hills Maidens, VA 23102</p>		<p>DUES= \$25</p>

SWVABG Membership Application

Name:	Home#	Cell#:
Street:	Email:	
City:	State:	Zip:
<p>Southwest Virginia Blacksmith Guild Liability Release Form</p> <p>I, the undersigned, realizing the potential haards involved in the craft of blacksmithing, will not hold the Southwest Virginia Blacksmith Guild, it's officers, demonstrator(s), or host(s) responsible in the event of any accident or injury incurred during an association function or at any time a sponsored activity concerning blacksmithing or metalworking is occurring. I am aware of the requirement to wear safety glasses during association demonstrations and will do so. I am aware also of the possibility of hearing damage due to the nature of the craft and accept the responsibility of taking the necessary steps to protect my hearing. It will be my responsibility to inform any family member or guest that I may bring to a demonstration of these potential dangers and advise them of all necessary precautions.</p>		
Signature _____		Date _____
<p>RETURN COMPLETED FORM TO- SWVABG 6585 Stoneskeep Lane Elliston, VA 24087</p>	<p>DUES= \$5 make check payable to Henry Bryant</p>	

Marketplace

Power Hammers!

Rudy Dean of RD Customs has available self-contained air hammers that plug into an ordinary 220 outlet. 12 lb, 32 lb and 55 lb models available. Rudy will personally deliver these hammers anywhere within 250 miles of Elkton, VA and help set them up. Prices start at \$3,995. Die sets available.

RD Customs
 Elkton, VA
 540.487.8777
 rudy@rudydeancustomknives.com

The Virginia Blacksmith is a joint publication of the Central Virginia Blacksmith Guild and the Southwest Virginia Blacksmith Guild.
 Editor: Jerry Veneziano

YESTERYEAR FORGE

www.yesteryearforge.com



Blacksmithsupply.com



Fort Vause Outfitters
 Anvils & Swages

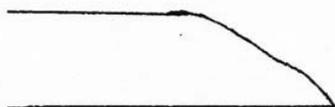


www.blacksmithingmagazine.com

$\frac{3}{16} \times \frac{3}{4}$

Christmas Mouse Tree Ornament

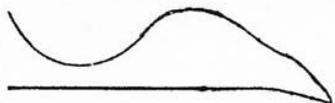
By Dow Pfaff



Taper.



Fuller.



Bend head down over horn and soften edges.



Draw out tail.



Fuller ear, eye punch with nail set, nail set half on for nose.

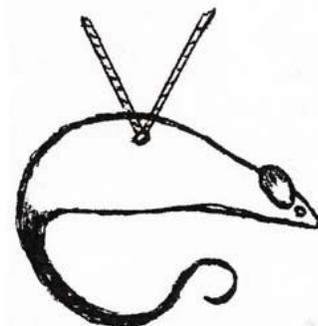


Position tail to make many different items.

Fuller rear from back to make bottle opener.



It's all in the d'Tail!



- Ornament
- Key Ring
- Bottle Opener
- Necklace
- Hat Pin
- Belt Buckle

