

KNIGHT FOUNDRY

HISTORIC WATER-POWERED FOUNDRY & MACHINE SHOP

EST. 1873 SUTTER CREEK, CA

Feast at the Foundry Needs Your Help!

Feast at the Foundry is Knight Foundry Alliance's biggest fundraising event. Held the third Saturday of September (except during the pandemic), each FATF gala raises thousands of dollars that go to support our wide range of preservation, restoration, and education projects.

FATF is always a good time, but it takes considerable effort from many volunteers to make such a memorable evening. And we need your help! Please consider volunteering.



The table at last year's Feast at the Foundry, the Knight Foundry Alliance's biggest fundraising event. This year's FATF is Saturday, September 17.

Volunteer Opportunities

As a volunteer, you'll receive a free special ticket and dinner and you will be able to enjoy the event while providing much-needed assistance. Following is a brief list of ways you can help (you can volunteer all or part of any of these roles).

- **Setup and Take-Down**
Arrive early and/or stay late.
- **Silent Auction and Raffle**
Obtain and track donated items.
Set up and monitor the events.
Distribute items to winners.
- **Wine and Beer Tending**
Serve beer, wine, and non-alcoholic drinks at our Saloon counter. No cash is involved.

- **Gift Shop**
Check in ticketed guests, sell raffle tickets, drink tickets, and any gift shop purchases.
- **Student Groups**
are especially welcome to help at the event, especially with dinner service and raffle ticket sales.
- **And more**
Let us know how you or your group would like to help.

Sponsorships

This year we are also actively seeking sponsorships, both as cash and in-kind support. Your name or company name associated with Feast at the Foundry can be a win for everyone!

At press time the list of available sponsorships isn't complete, but if you or your organization would be interested, please contact us.

Purchasing Tickets

Tickets for Feast at the Foundry are expected to go on sale in August. This event always sells out, so consider purchasing your tickets early if you can't volunteer. Watch for more information wherever you get your Knight Foundry news.

We Need You!

If you are interested in lending a hand for a great cause, please email info@knightfoundry.com or call 209-560-6160. Thank you!



Pipe Shop Update: Demolish or Stabilize?

The two-story pipe shop building, one of the largest structures in the Knight Foundry complex, historically held various pieces of pipe-making machinery on its first floor. The second story housed wood patterns that formed the molds for the cast items the Foundry produced.

In its more than 100 years of life, the Pipe Shop building has become structurally unsound. The building's walls lean and even twist in place, and it is feared that it will not remain structurally sound much longer. Should it be demolished now? Or is there another way?



The Pipe Shop today – in need of support. Yours will help!

The Next Step

After discussions with contractors, the consensus was to stabilize the building with a series of internal wooden structures that will reinforce the existing beams and columns. The work is expected to be completed in early summer.



This pipe roller was built at Knight Foundry for use in the pipe shop to produce rolled and riveted steel pipe.

The Plan

Stabilization will buy us time until we have the funding to completely rebuild and restore the building. Preserving as much of the original material as possible, the new building will look like the original Pipe Shop, but will be a modern structure with all the safety and comfort that brings. When completed, the first floor will house and display the Pipe Shop's machinery in a museum

setting, while the second floor will provide classroom, office, and archive space – and long-desired rest rooms.

How You Can Help

Our capital campaign for the Pipe Shop has a \$450,000 goal. If you'd like to help give the Pipe Shop another 100 years of useful life, please visit <https://knightfoundry.com/donate-now/> or contact us at info@knightfoundry.com or 209-560-6160. Thank you!

BECOME A MEMBER OF KNIGHT FOUNDRY ALLIANCE

How do free admission, discounts on event tickets and gift shop purchases, and free tickets for friends and family sound? These could be yours when you become a KFA member. Sign up at <https://knightfoundry.com/membership> or by mail, phone, or email, or in person. (Already a member? Thank you!)



Gift Shop

One of the most intriguing items for sale in our gift shop is the trivets, cast right here at the Foundry during our second Saturday tour days. These trivets are made from cast aluminum and add a unique note to any dining table. Because the trivets are aluminum, they're light in weight yet strong in support.

The patterns used to cast these artful yet practical metal heat pads started life as register grates that you would find on heating vents in Victorian-era homes. The elaborate metalwork is placed in a green sand mold, which captures the shape. Then, as with any casting, the



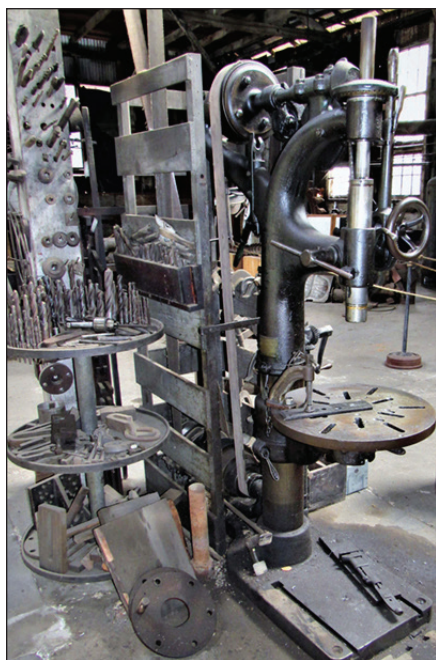
original is removed, and molten metal is poured into the mold, filling the cavity left by the pattern. The intricate designs make filling every last bit of each mold particularly tricky.

After the finished trivet is cooled and cleaned, sturdy leveling legs are added to it and then it is painted.

The trivets come in three sizes and several colors. Not all colors and sizes are always available, but you can place an order online at the Merchandise page of our website, or see what's in stock next time you visit the Foundry. (And while you're there, you might even get to see them being made.)

History Corner The Drill Press

A little over six feet tall and weighing in at 850 pounds, one of the more prominent pieces of equipment on the floor of the machine shop building is the foundry drill press, which has been drilling holes in things since the turn of the last



century and is still in working condition.

Our drill press is a Barnes Upright Drill Model One and One Half, built by the W.F. and John Barnes Company of Rockford, Illinois and appearing in the Barnes Metalworking Machinery Catalog of April 15, 1898. This drill press is one of 70,000 produced and sold by the Barnes corporation, including one ordered by Henry Ford's experimental shop in 1881.

Founded in 1872 by the Barnes brothers to make woodworking machinery, the company evolved to making metalworking tools in the 1880s. By the 1920s and 1930s it was producing machines for the Ford Motor Company and other automotive assembly lines. The company ceased operations after World War II.

VISIT KNIGHT FOUNDRY

Knight Foundry is open to the public year-round on the 2nd Saturday of every month. Hours: 10am-3pm. Tickets are available at the door. Adults \$15; Students age 5-17 \$5; Free for children age 4 or under and Knight Foundry Alliance members.

UPCOMING CLASSES AND EVENTS

- The California Blacksmith Association offers classes on the 4th Saturday of most months. Pre-registration and CBA membership are required.
- Garage Sale: Donated items from home decor to lathes, hand tools, and more. Date to be announced.
- Saturday, September 17: Feast at the Foundry 2022 (see story on page 1).

Other events and classes will be announced when the dates are confirmed. For more information, email us at info@knightfoundry.com or call 209-560-6160.



Before & After The Logan Lathe



Generous folks all over the region donate all manner of machinery and equipment to us. Much of it is in disrepair when it comes to us – just the kind of challenge our restoration volunteers enjoy the most.

The restoration team meets and works on machinery every Wednesday. Some people come every week, others come when they can. Several live outside the immediate area, too.

Restoring this model 922 Logan lathe is the result of around 14 work-days. The project involved a variety of hand tools, including scrapers, wire brushes, steel wool, and sandpaper. A bench grinder and drill along with lots and lots of chemical rust removers were also used. The project also called for some welding and the machining of some replacement parts.

After the restoration work on a machine is complete, we sell it. This lathe, one of the fundamental machine tools, used to make round parts of the correct size and finish and to cut screw threads, added \$1,200 to our coffers.

If you have machining skill and you would like to work on our Wednesday restoration projects, email us at info@knightfoundry.com or call 209-560-6160.

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Knight Foundry Alliance is a 501(c)(3) nonprofit organization, tax ID #83-2165652.

Donations will be eligible for all applicable tax deductions.

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