



## TOOL BUILDING CLINIC

**WHEN:** OCTOBER 27-28, 2017 8AM – 4PM

**CLINICIAN:** DENNIS C MANNING CJF

**TOPIC:** INTRODUCTION TO FORGING AND HEAT TREATMENT OF TOOLS AT THE FORGE

**OBJECTIVE:** Participants will develop a working understanding of steel selection, tool design and forging, and heat treatment from the forge fire. These concepts also have application in the everyday use and maintenance of tools.

With a few exceptions hand tools can be made from mild steel or recycled horse rasps and automotive parts such as axle shafts and coil springs. The mystery will be taken out of the heat treatment processes as these principles are taught through demonstration, lecture and hands-on application. Applying these principles makes possible for optimum serviceability and longevity of hand tools used by farriers and blacksmiths.

**WE WILL BUILD:** EYE PUNCH AND DRIFT, TOP AND BOTTOM FULLER, HOT CUT AND SET HAMMER. Everyone may not end up with every tool but you should know how to make, heat treat and use them by the end of the clinic.

**PARTICIPANTS SHOULD BRING:** YOUR FORGE, ANVIL, ANY HAND TOOLS YOU HAVE FOR FORGING (SUCH AS, A VARIETY OF TONGS, TOP AND BOTTOM FULLERS, HOT CUTS, EYE PUNCHES, DRIFTS). SLEDGE HAMMER IF YOU HAVE ONE.

**LOCATION:** 1565 NE ELM LN, MADRAS, OR 97741

**COST:** \$100 per day for OFA Members,  
\$135 per day for Non-Members

**CONTACT:** TOBIAS ELLIS 541-771-6245