

Building Hollow and Rounds Plane Making Class

With

Dan Schwank

Class Overview

Class cost is \$475 per student. Class size is limited to three students.

This is a three day class in which each student will be making a pair of #8 (1/2" radius) hollow and rounds. If anyone one wants to make a different size, please contact me at least two weeks prior to class so the proper materials can be obtained. The emphasis will be on learning techniques that can be used in the typical home wood shop with a minimal investment in tooling or fixtures. The goal is to complete the round plane during class, which is then used to profile the mating hollow plane. It may be possible to get both planes done, depending on the individual and how work progresses.

Materials can be provided as follows:

- Quarter sawn beech billet with material for the wedge. \$10 each
- Tapered O-1 tool steel irons from Lie-Nielsen. \$22 each

Classes will start with sizing and squaring the billets and then layout and cutting of the mouth. The mortise will be roughed in with chisel and floats. The wedge will be sized, and fit into the mortise. Next, the critical task of bedding the iron is done to ensure the plane will function without chattering. The sole of the round will be shaped, and the iron ground to match.

We will be doing heat treating and tempering of the irons, before final sharpening. If time permits, we will shape the hollow using the just completed round. Lastly, final details will be added, and finishing will be discussed.

Class will start at 9am and go until approximately 5pm, with a break for lunch. There will be the option of starting earlier in the morning the second two days of class.

Each student will have their own work space with a bench and vice. Other workspace, such as the grinding area, will be shared. Layout gauges and fixtures will be provided. Each student will receive full size engineered drawings of the planes.

Class Policies

Classes will be taking place in my home shop from which my business, Red Rose Reproductions, is operated. I would like to ask for your cooperation with a few points:

- A \$150 down payment will be collected at the time of class sign up.
- Full payment will be expected at the beginning of the first day class. Cash, or check are preferred, but credit card can also be accepted. (There is a fee I pay for credit cards, hence the preference for cash or check.)
- Power tool usage is limited to the band saw and bench grinders. This is for safety and liability reasons. Any other power tool usage I will do myself.
- When using the grinder and band saw, safety glasses and/or face shield is required. I will be supplying the face shields. If you have safety glasses, please bring them along. Guards must also be used when grinding.
- There are things in the shop considered private property, and while I will be glad to show some of the tools and fixtures used in my own production, I would ask all students to respect the privacy of certain areas, such as closed cabinets and like.

Cancellation policy

Because class sizes are small, any cancellation will have a large impact. The down payment will be forfeited if cancellation occurs less than 3 weeks prior to the first day of class. If class is canceled for any reason, the down payment will be refunded in full.

Location and Contact

My shop is located in Lancaster, PA.

Contact via email. dan@redrosereproductions.com

A specific address and cell phone number will be provided at time of sign up.

I look forward to having you here, and hope it will be helpful in learning some of the tricks to making molding planes.

