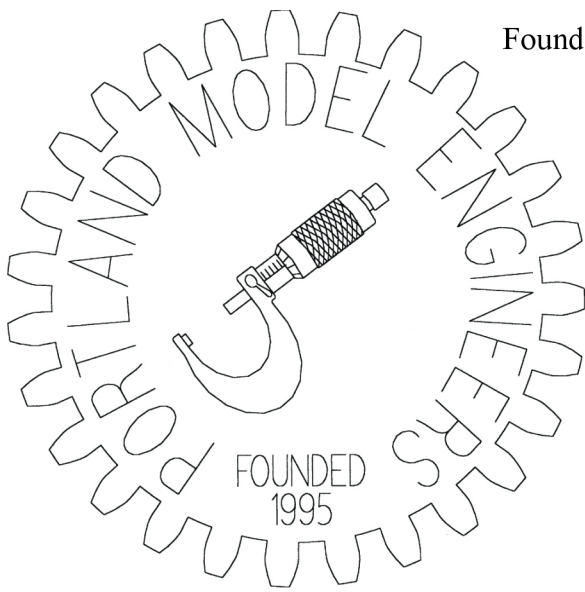


Founded by Dave and Beth Carr in 1995

December 2007

<http://www.portlandmodelengineers.org>



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For The Beginner #46 by Wes Ramsey

Last month we met at Grant Carson's shop. One of the topics for discussion was who to elect for officers for the coming year. As is our custom, no one stepped forward for nomination. So far Greg Dermer has agreed to serve for one more year if no one else runs. The field is wide open so think about giving an hour or two a month to help organize venues and ensure that things keep going smoothly.

Next month, Grant Carson has again graciously agreed to host Saturday, December 8th, 1:00pm at:

A & G Products
7360 SW Bonita Road, Unit C
Tigard, OR 97224

Remember to bring your latest project and a friend or two. Refreshments are provided.

As mentioned above, elections for club officers for the coming year will be held.

EDITORS NOTE: As I indicated last month, this is my last issue as newsletter editor. It has been a rewarding experience for me. I met (and remember) a large number of members through talking about each project and getting names and facts down. As of yet, a new editor has not been identified. This remains a critical need for our group. So if you want to help out with this task, please contact Jarod Eells.

Spring dividers range in size from 2" to 12", larger dividers can be found for larger projects. I have a divider that is 20" long, I used when doing sheet metal work. They may be the most used tool other than the scribe in your tool box. The spacing of the divider legs is by turning the adjustment screw. Dividers are usually set to rulers. Engraved rulers are the best as the divider tip can be set in the engraved rule graduations. Like scribes, divider tips must be kept sharp and at nearly the same length.

Spring dividers, as their name implies, are used to divide lines or the circumference of circles. Divisions are marked by using the tip of the leg as a scribe.

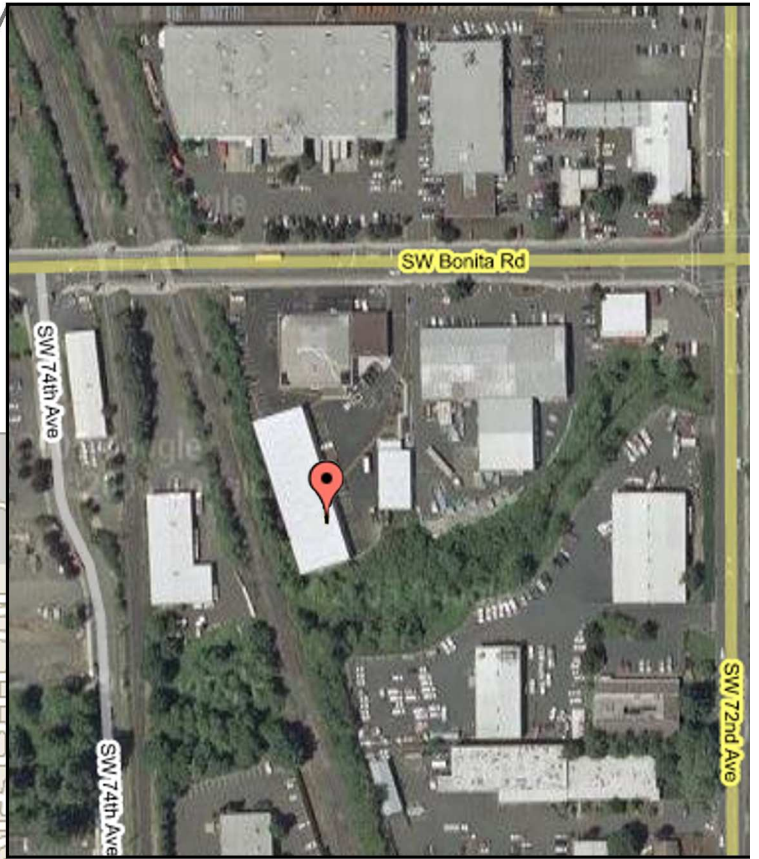
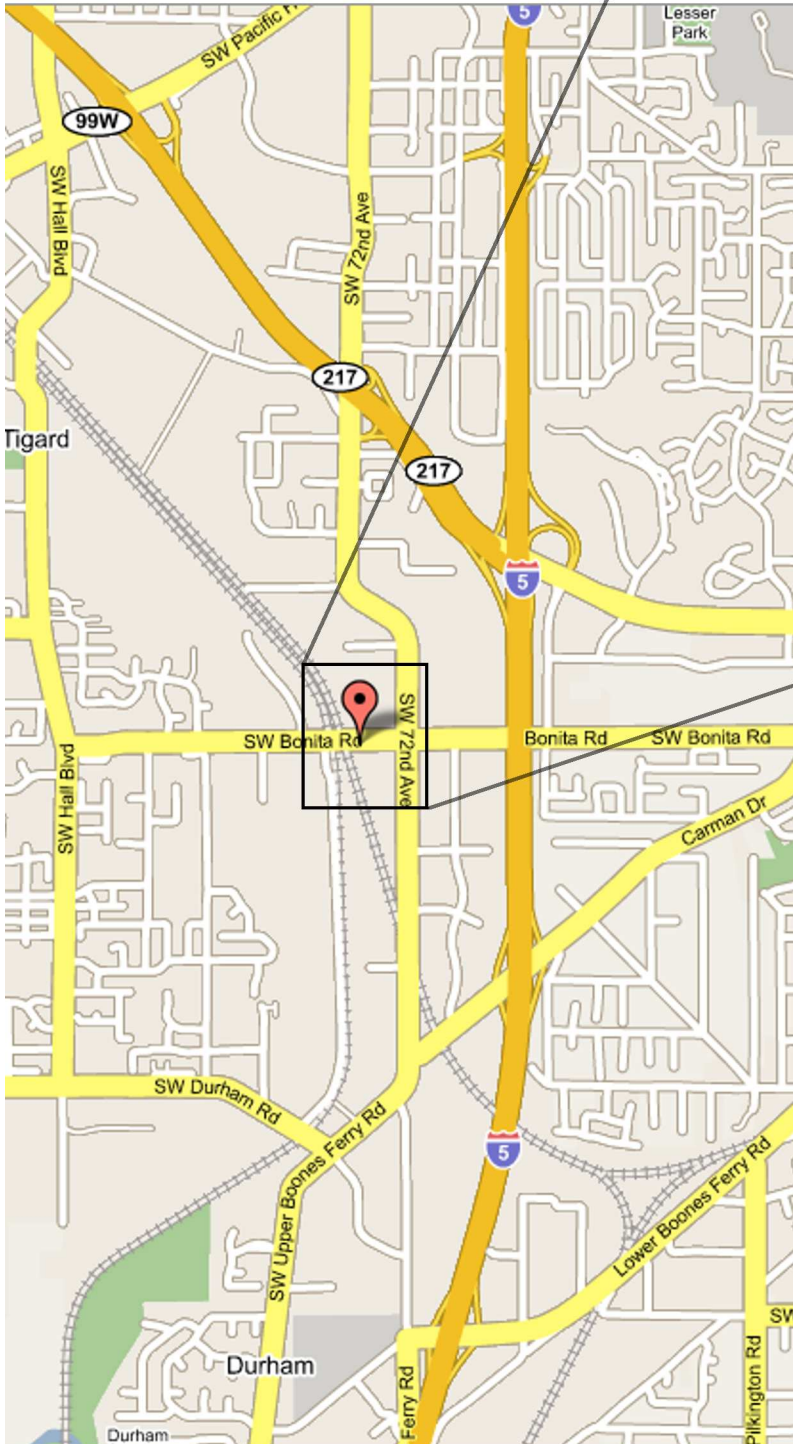
Trammel points are used for scribing circles and arcs when the distance involved exceeds the capacity of the divider. These are either attached to a bar or set directly by rule graduations, or can be attached to a yard stick which gives a rough size measurement.

The hermaphrodite caliper has one leg similar to a regular divider and the other is bent back around to point at the other. The tip is adjustable for length. The hooked leg can be placed against the edge of the work piece. These can be used to scribe a line parallel to an edge. Another use is to lay out the center of round stock. The hooked leg is placed against the round stock and an arc is marked on the end of the piece. By adjusting the leg spacing, tangent arcs can be laid out. By marking four arcs at 90 degrees, the center of the stock can be established.

A & G PRODUCTS

Saturday, December 8th, 2007
Meeting, 1:00pm

A & G Products
7360 SW Bonita Road, Unit C
Tigard, OR 97224



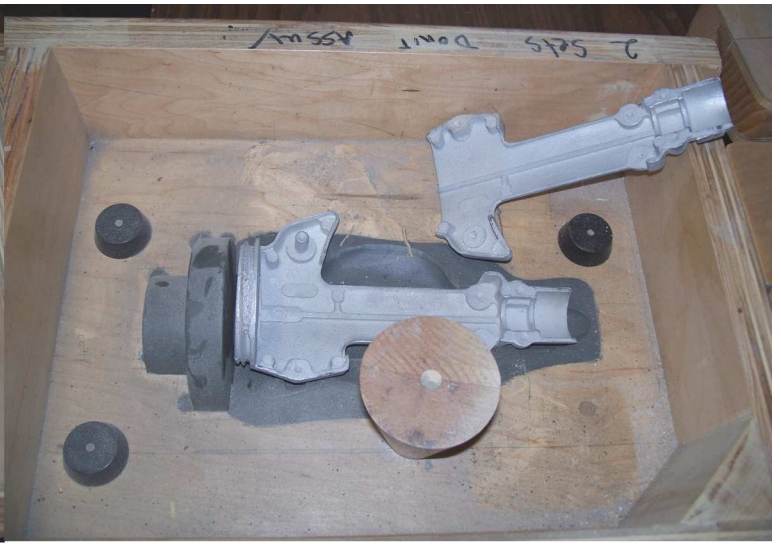
Directions to Grant's

From I-5:

Use exit 292 to Hwy 217, go north about 1/4 mile toward Beaverton to SW 72nd exit. Turn left onto SW 72nd Ave, go about 3/4 mile to Bonita Road, turn right. A & G will be on your left.

From Hwy 99 (Pacific Ave):

Turn south onto SW 72nd Ave, proceed about 1-1/2 miles to Bonita Road, turn right. A & G will be on your left.



These two matchplates are part of Bud Statton's Vietnam-era flamethrower reproduction project. The one on the left is the valve that controls the fuel distribution and the other is part of the trigger assembly. Below are some castings that came out looking nice. Below to the right is a core box for molding the threads above.



Mark Burandt shows off his work using a CAD-driven laser cutting machine. And just in time to hand to help decorate.



Bud also brought in patterns for handles to a railroad speeder.



Gary Martin showed some patterns that he is creating. The picture on the left is the full-size pattern of a switch stand for a steam engine customer. The one on the right is the model version that served as inspiration.

Chuck Stark showed an amazing example of how to drill a hole that is obscured by another piece of metal. The jig he worked up holds several drill bits and allows working the hole to the desired depth.

