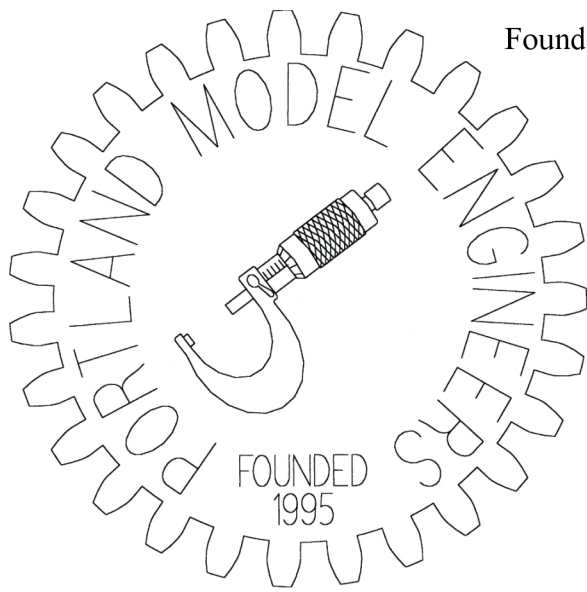


Founded by Dave and Beth Carr in 1995

August 2007



<http://www.portlandmodelengineers.org>

President: Greg Dermer	(503) 281 9238	depcco@easystreet.com
Vice President: Roger Rudert	(503) 239 7843	rrudert@omsi.edu
Treasurer: Bud Statton	(503) 324 9514	budstatton@worldnet.att.net
Membership: Carl Petterson	(503) 245 8335	tomten@easystreet.com
Webmaster: Greg Dermer	(503) 281 9238	depcco@easystreet.com
Member-at-large: Bill Miller	(503) 246 2175	bilau@gte.net
Editor: Jarod Eells	(503) 830 0157	jarod@eells.us

For The Beginner #42 by Wes Ramsey

We met at Grant Carson's shop and got to see one of his new machines and some progress on the locomotive he and Hans Stangier are building. A couple other folks brought some of their engines. Pictures are on the following pages.

Next month we will meet back at Grant Carson's shop on Saturday, August 11th, 1:00pm at:

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

Remember to bring your metal-related projects -- complete or not. Refreshments are provided and you'll get to talk to some really interesting people. Last month was pretty sparse, so if you've been able to make it into the shop and have something to show, we'd like to see it.

GEARS 2007

On a slightly different note, GEARS is fast approaching. The event will be held at the Kliever Armory September 22 and 23. Members who are thinking about exhibiting should contact Larry Derry for more information. This is the only show of its type on the west coast and a lot of fun. For additional info: <http://www.oregongears.org>

This may be the last issue of, "For the Beginner." I am finding I haven't the time to put into this that I feel it needs. I have tried to keep this simple and geared for the beginning machinist. Most of my material is right out of the school text book. Almost all of the feedback I have gotten is how we do it at the production level.

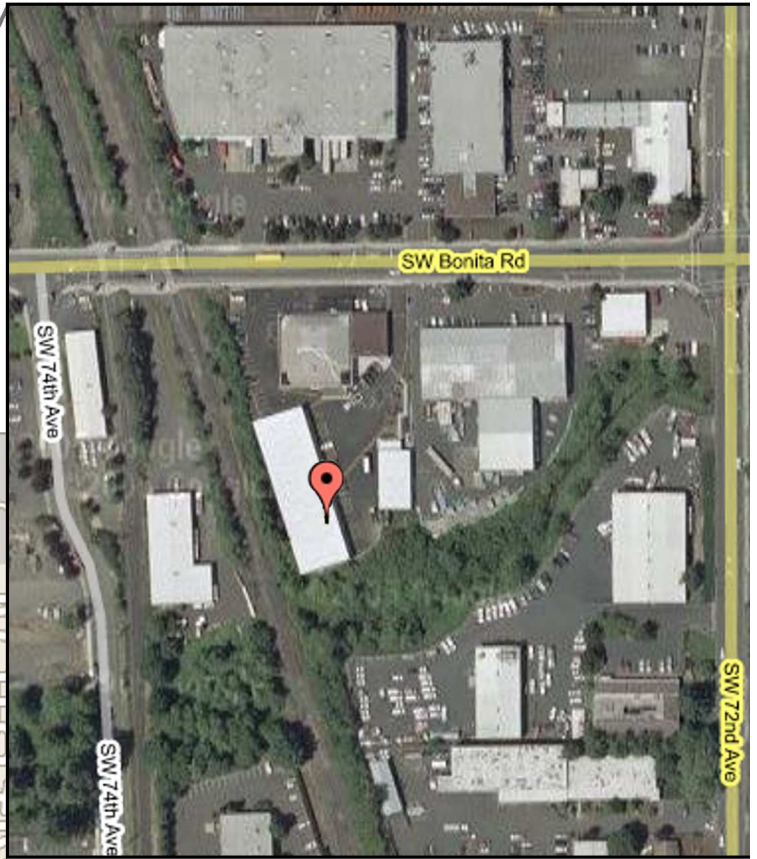
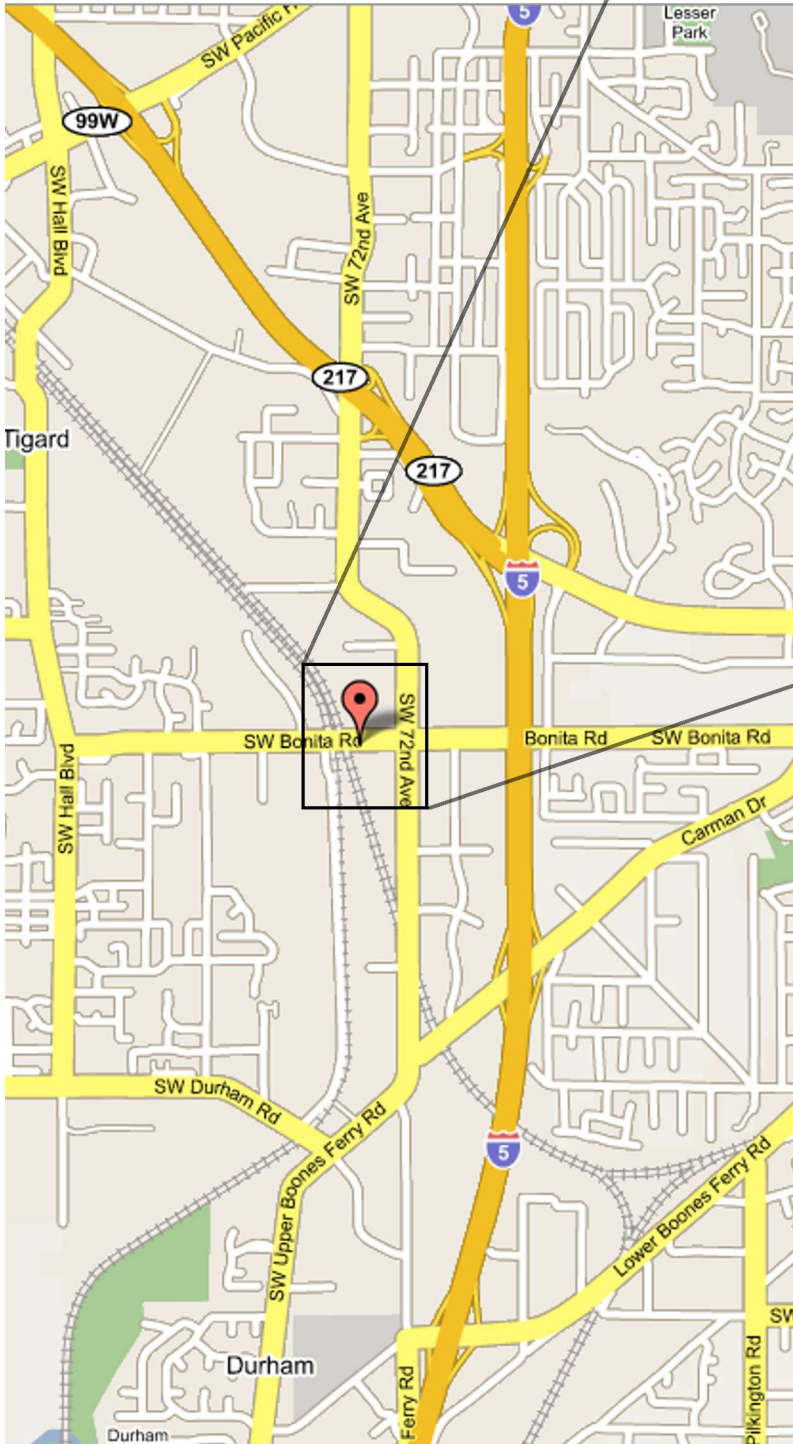
There were several questions at the last meeting as to how to convert a mill to CNC. I started this about three or four months ago, it seems like a year or more. I didn't know how a CNC mill was constructed and had to learn almost everything by trial and mostly error. I have made a lot of parts I thought would work only to find out they would not. I am just now to a point where I am able to tell the mill to do something and it doesn't lock up or tell me where to go. Now that I have the thing moving --- I didn't say it was working --- I can now start building parts that will do as they should and not as they want to. I have sunk a lot of money in proto parts that didn't work. A lot of them came from the scrap bin just to see if the plan would work. Most have found their way back to the scrap bin for the next project. I think the thing that gets me is when I am told this will work if you push this button and it doesn't. There you are, it didn't do what it should and there is no easy way to find out what to do next. For me, the next time I think about a conversion, I am going to go to the manufacturer and buy one from him with the backup that goes with it. If you have enough money and time and know how, it can be done. I have other things I have to get done.

If your membership expired (as shown by 2006 on your address label) renew by sending a check for \$12 to:
PME Membership Renewal, c/o Carl Petterson, 1631 SW Pendleton St., Portland, OR 97239

A & G PRODUCTS

Saturday, August 11th, 2007
Meeting, 1:00pm

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



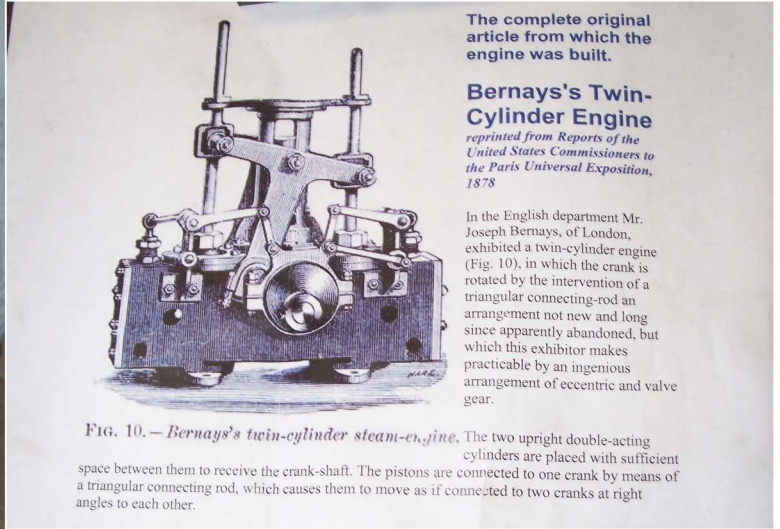
Directions to Grant's

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):

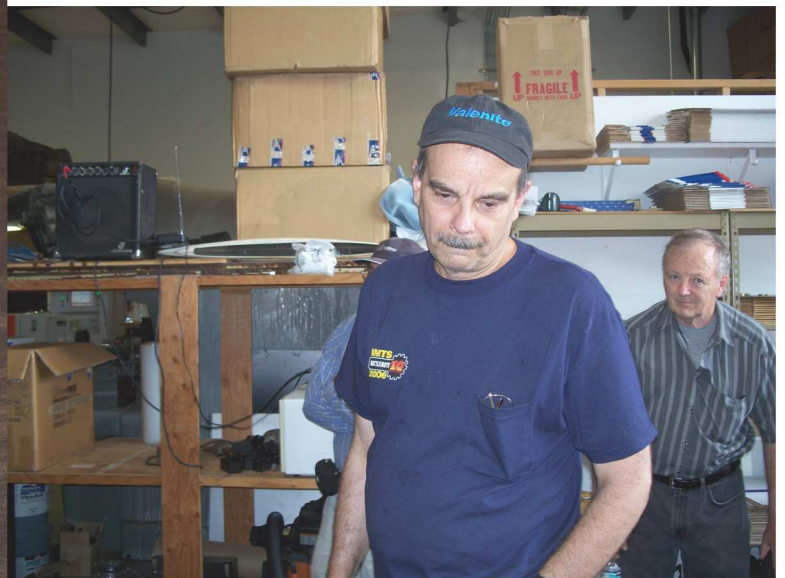
Turn south onto SW 72nd Ave, proceed about 1-1/2 miles to Bonita Road, turn right. A & G will be on your left.

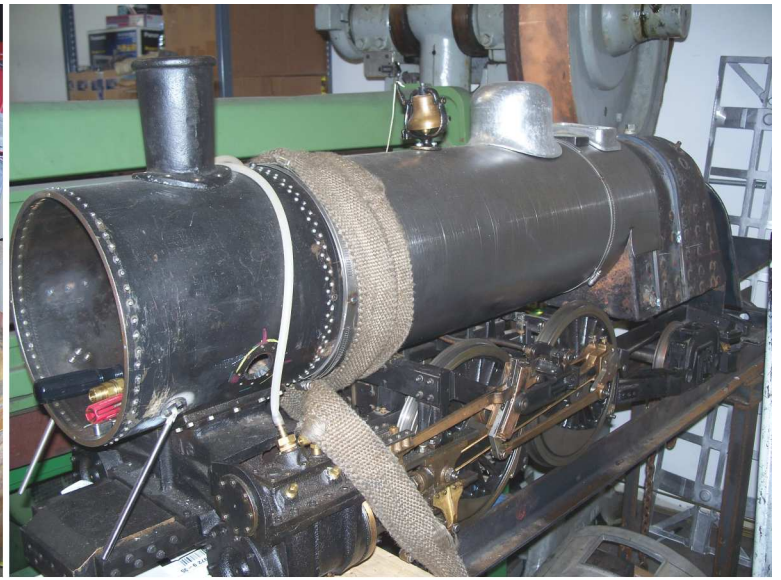
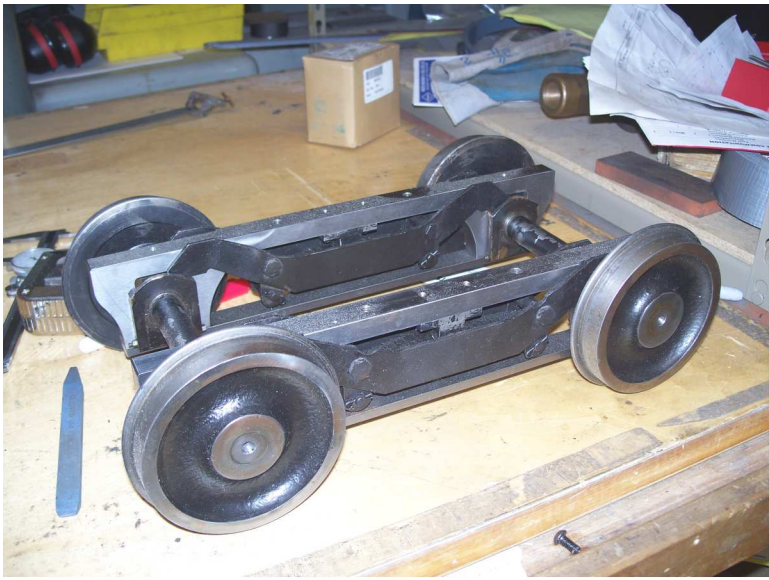


Al Pohlpetter gave us a look at his Bernay's engine.

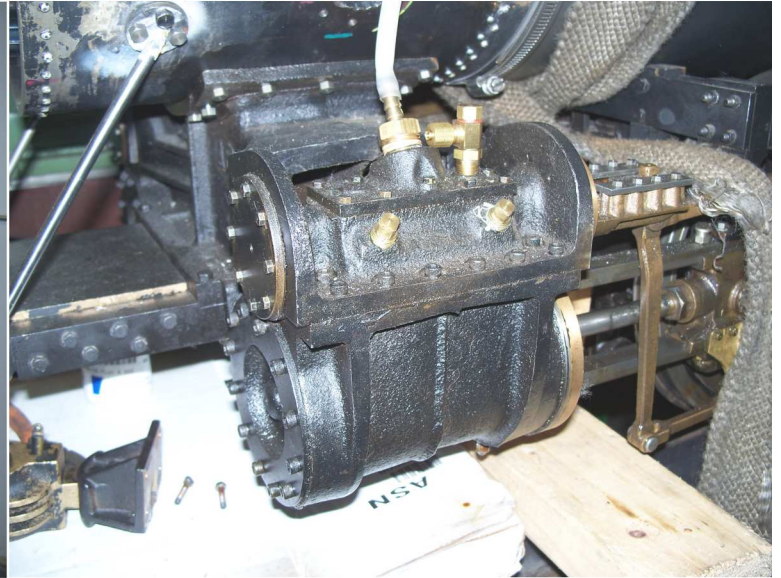
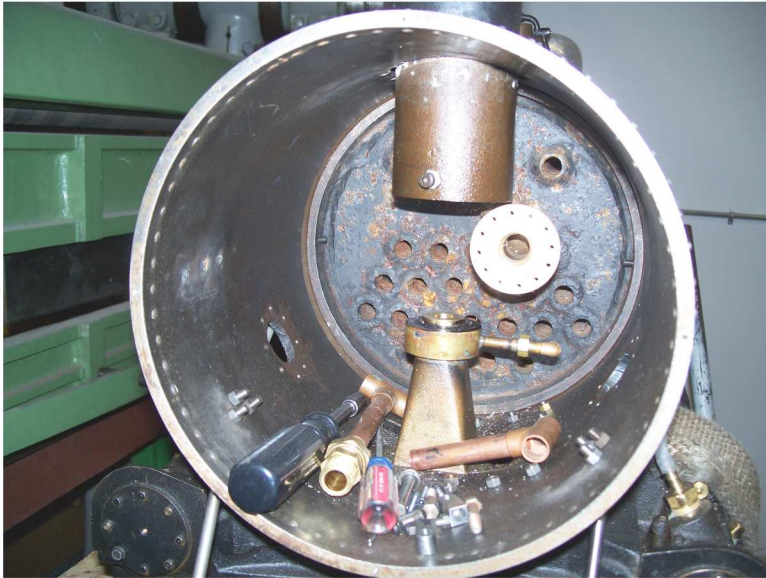
In the lower left, Gary Hart brought in a nice hot air engine that is powering a fan.

And John Benjamin explained the development of sight base he constructed out of 12L14 steel.

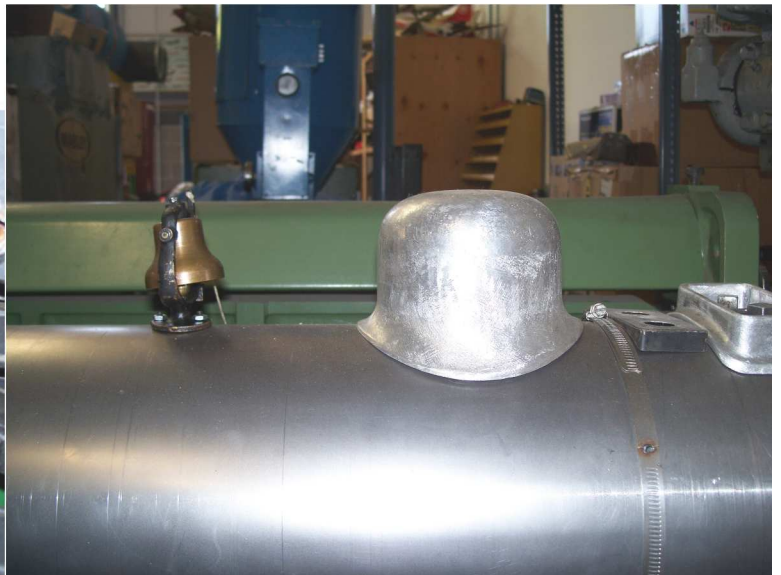
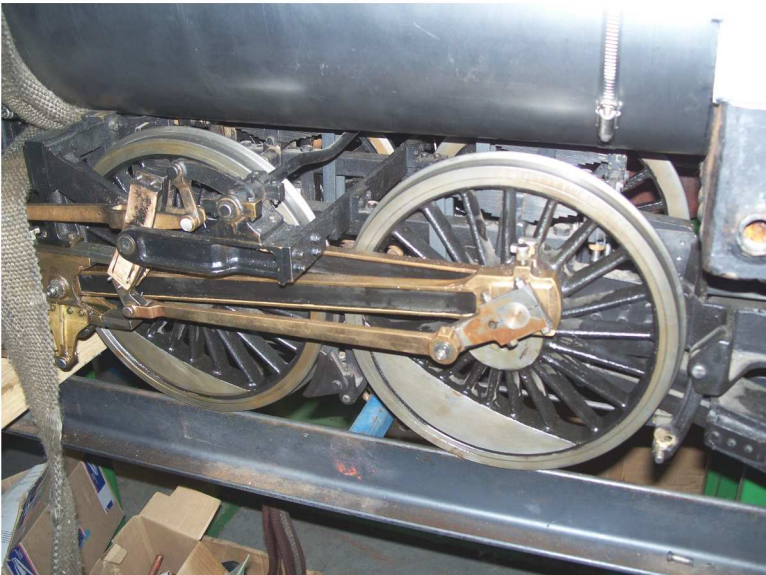




This page has some shots of the S. Atlantic 4-4-2 that Hans Stangier and Grant Carson have been building. The left picture is one of the trucks and on the right side the boiler.



The left side here is an end view into the smokebox. The right shot is a view of the piston where live steam is converted into mechanical motion.



Another view of the main drive wheels and, opposite, the bell and the dome. Very nice work went into the creation of this machine.