

The
NEMES
NEW ENGLAND MODEL ENGINEERING SOCIETY INC.

Gazette

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March Meeting

We will have a Zoom meeting in March at 7 PM on March 7, 2024. A separate email will be sent with the Zoom meeting invite.



Club Business

Victor Kozakevich

NEMES Dues are now due for the year. Dues are \$25.00. Make checks payable to NEMES, and send them to our treasurer, Rob Goeller
34 Middlebury Lane
Beverly, MA 01915

[Note from the President] NEMES is now billing members, you can pay with a credit card, as I did.

From the Treasurer:

To members who have tried to e-mail me using our published treasurer's e-mail address: Our e-mail address has been the target of an exorbitant number of spam e-mails from all sorts of people and organizations marketing their products and services. The number of these e-mails is so large (hundreds in the course of only a week) that it is almost impossible for me to find e-mails from members. I apologize to those who have tried to contact me without response, I did not see your e-mail.

Unfortunately, our current e-mail server does not provide a function to block these unwanted e-mails. We are working to alleviate this problem. However, in the mean time, it is unlikely I will be able to respond to member's e-mails. You can write to me as needed, if I see your e-mail I will respond but the current reality is that it is unlikely that I will see said e-mail. If you need to contact me, best to use the US Postal Service at the address in the introductory column.

On another subject, many members have mailed their dues checks to the Charles River Museum, rather than directly to me. Unfortunately, these checks, many from early 2023, were only recently forwarded to me and many are too old to be deposited. Any checks that I cannot deposit, I will return to the member. If you have recently sent a check to the Museum, please let me know via

standard US Postal Service (not e-mail) and we will watch the Museum's mail for these checks.

When we have alleviated the e-mail problem, I will let you know in a future Gazette.

APPAREL: Please check out the NEMES Aprons, T-Shirts, Denim Shirts and Sweat Shirts. We are happy to ship any of this clothing directly to your home.



President's Corner Bob Timmerman

The big news this month is the NEMES Model Engineering Show, coming up this Saturday, March 2.

Let me remind everybody that after a 4 year hiatus due to covid (our last show was in 2019) we are going to have an engine show again, with adding new technology from NEMES members and maker spaces.

Our Vice President, Dick Koolish, has been working behind the scenes to help make the show a success.

New technologies are coming into the world of making things. Some people are doing unusual things. The show will be open to things we have not done before.

Some people are not even working at small scale. Ron Ginger and others at the *Wiscasset, Waterville, and Farmington Railroad* in Maine are working on building a *working* 2-foot gauge *steam* locomotive and cars for the railroad. 12" = 1'-0" Ron showed us some pictures of the work he is doing on rail cars at a previous meeting.

Ron will be sending us pictures of some of his work, which we will have the Museum blow up to poster size for Ron's exhibit. We can also run the photo essay from Ron's exhibit in the Gazette.

The Charles River Museum has just started a program with laser cutters and 3D printing, pitched at middle and high school students. As a way to get more and younger members, I have asked the

people who run this program invite some of their participants to exhibit at the show.

Bring something to exhibit to your show on March 4, 2024

If you do not have something to exhibit, at least come and see Dick Boucher's fire engine, which you have been seeing go together in the Gazette.



From the
Editor's Desk
Bob
Timmerman

We sometime get complaints from members that a NEMES event conflicts with some other event. Usually, we do not even know about the other event. Please let me know of other events, and I will publish such details as I have in the Gazette.

Upcoming Events

I have been receiving notices from the Owls Head Museum up in Maine. Keep an eye on their website as well.

Save the Dates

The NEMES Model Engineering Show will be at the Charles River Museum March 2, 2024 (Note change of date). All NEMES members are invited to help make this a success. All makers, NEEMS or not, are invited to exhibit. Makers doing work with 3 D printing are welcome to display.

May 11, 2024, Scantic Valley Antique Engine Club
46th Annual Show 860-519-7831

Reports from the Sandy Hill Locomotive Works

This is Dick Boucher's original introduction, and I am reprinting it here, as I think it is still relevant.

June 7, 2020

Hello fellow live steam model hobbyist and principals of the New England Model Engineering Society,

James (grandson), Norm, Jay and John. This is my usual Sunday afternoon progress report on work here in the Sandy Hill Locomotive works. Dan, Rich, Bob and James Scheffler I am sending this along to you thinking it might be a way to get some interest back in the club if the fellows who have given up traveling to Waltham had a place to post pictures of their work and view other builder's projects. To the new fellows on the list I am working on Cole's Models 2"scale Case steam tractor. For some time now I have been sending out pictures and a short description of the progress on the project to the first three listed having added John lately. Back in the early days of the Live Steam railroad hobby there were only a couple "meets" a year some as far away as Montreal Canada and Carl Purington started the "Traveling Locomotive Books" in which a hobbyist would attach a couple pictures of his work and forward the book to the next person on the list. Fortunately these books still exist and are repositioried at John K's museum in Beverly. At any rate my thought is we set up a formal place in our web site or someplace to create the "Traveling Hobby Machining Books" Your thoughts.

Richard L. Boucher
Chief Engineer/Master Mechanic/ Lead Machinist
Sandy Hill Locomotive Works

Current Work

Hello Fellow Chip Makers,

So here I am on the third try at making a solid crankshaft for the La France steam fire engine. Third times the charm as they say. Last month I showed the disaster which was the first attempt. So let us begin again.

Photo 1 is the piece of, as Joe Pie calls it, very ugly piece of stock I start with. It may be ugly but it is very, very stable ideal for the purpose I use it for.

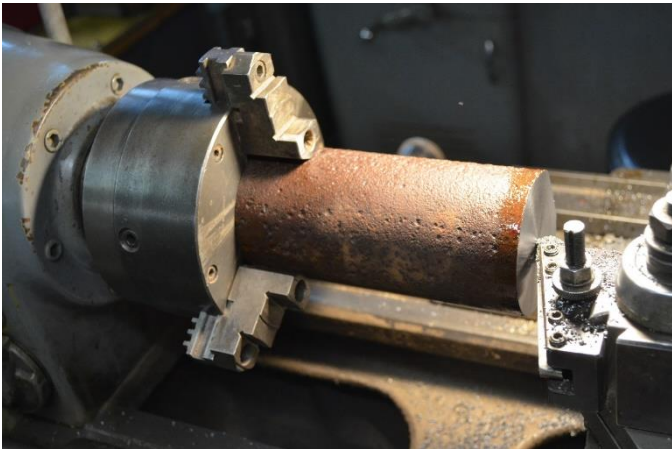


Photo 1

Photo 2 shows me in the bandsaw cutting a slab off the billet.



Photo 2

Careful examination of the photo will reveal that I have made a flat surface on the round in my 7 inch AMMCO shaper before starting the 1 hour process of winding up in Photo 3.

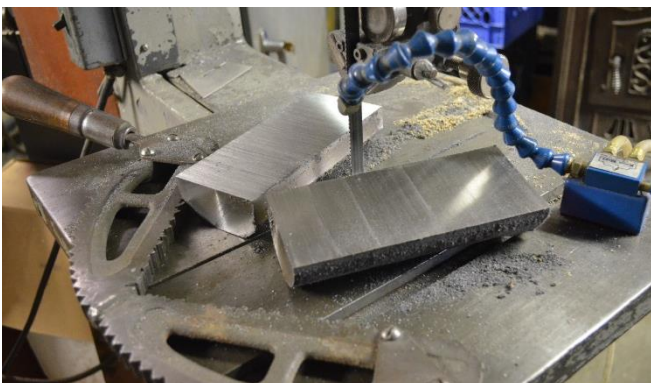


Photo 3

Photo 4 is my succession of repeated attempts to make the crankshaft. In the lower left corner of the photo is the third attempt with some voids created by again drilling some of the early holes in the wrong place.



Photo 4

Notice the silver solder colors in certain areas. Above that edition is the second attempt. the area in red on the throw did not allow enough stock to machine the throw journal. I now know could have been repaired with a silver solder patch but at that time I was stubborn. Gave up that stubbornness on the third attempt. mainly because of the 1 hour bandsaw time on a billet. The crank in the upper right hand side of the picture is the crank for a Whitmey Compound which is still in the process of being built. It is of fabricated manufacture and was successful in the first attempt. Oh, the effects of being stubborn, I probably would have much more to report on the progress of the fire engine if I had just taken this method of making the crank in the first place. I will have to say that the width of the webs and the size of the main and journal bearings did not allow much area for a joining so that was probably a factor in going for the solid crank. (I know excuses are not valid) On to Photo 5 which is the setup for machining the webs down to final width.

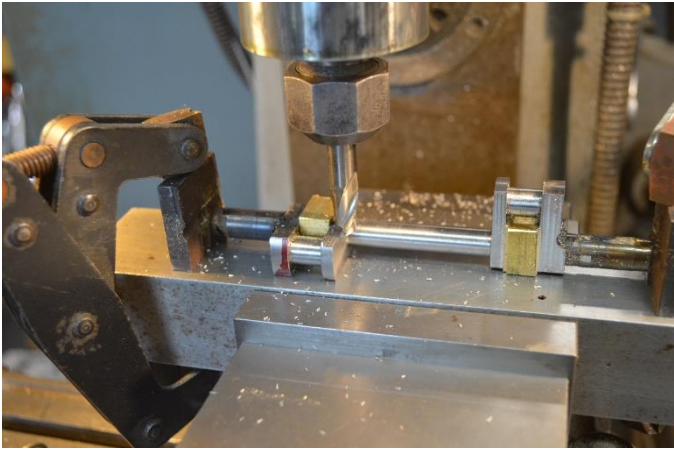


Photo 5

Notice the small area I mentioned above in the photo. Photo 6 is the final turning of the main journal, again note the brass blocks glued into the space between the throws to prevent the area from getting compressed during machining.

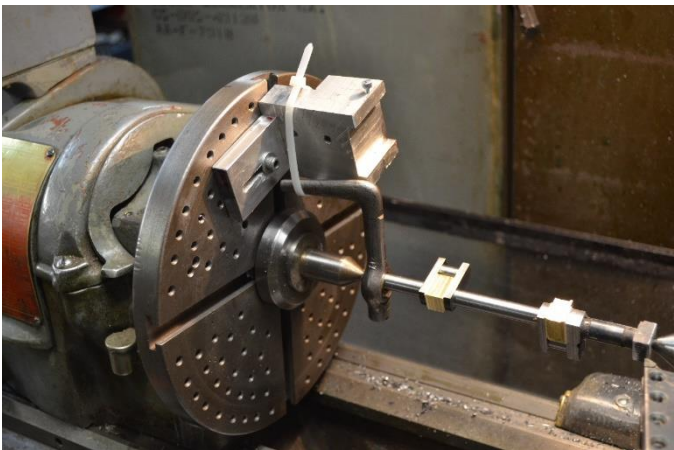


Photo 6

Photos 7&8 show the finished issue 3 crankshaft in the bearings in the engine frame. It turns freely and straight albeit a little, very little tight which will probably be fine with a little lubrication in the journals

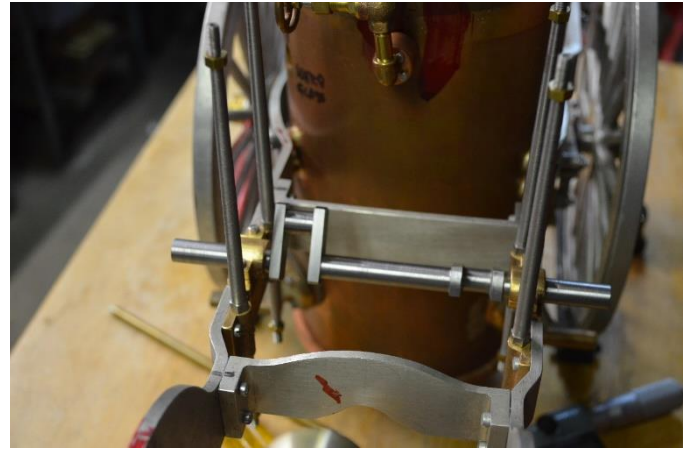


Photo 7



Photo 8

Those of you who made the NEMES show this year have seen the fire engine as it stands as of this writing 3 days before the show.

Well as I always say, go to your shop and do something even if it is wrong and as I always say one of the other past presidents of the society "Paul Breisch" So long for now.

Dick B.