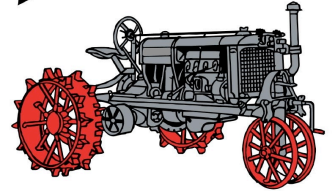


QUINEBAUG VALLEY ENGINEERS

Zagray Farm



Museum

The Zagray Quarterly

June 2015

President's Notes

It's the time of the year to announce that nominations for officer positions (and a director position if one were to become available) will be accepted between now and August. Officer positions are up for election every year in October. Don't be bashful if you're interested in serving.

We had a very successful May show, despite a smaller than anticipated showing of Allis Chalmers tractor owners for the "Gathering of the Orange". The success was a nice reward for all the hard work that the membership put into producing the show. It was good to see more volunteers to help with the show, especially with coverage at the gate to collect parking fees. However, we still need to be mindful of those who spend long periods of time at the gate (Ned and Jerry in particular) because they start collecting long before a lot of us even get to the farm. Relief for them has to be provided early.

After some discussion at the May meeting, a motion was passed to increase the parking fee to \$10.00 per car and to advertise that the increase will be effective at either the October 2015 or May 2016 show. We will discuss it again at the June meeting to consider something like an admission fee of \$5.00 per person, with a maximum of \$10.00 per carload, as an alternative. If you have comments about parking/admission fees, let me know.

FROM THE DESK OF THE TREASURER – Art Chester

Our May show was definitely 'over the top!' Terrific weather and the Allis Chalmers Gathering of the Orange feature combined to produce a record crowd! Everything went smoothly, thanks in no small part to the planning that went into the show, the major cleanup effort in the weeks prior, and a great showing of volunteers. On Saturday we parked in excess of 1100 cars, and about 300 on Sunday.

If you have an email address, please email Dianne Tewksbury at tewksbdk@outlook.com to change from snail mail! That will save our printing-sorting-folding-mailing crew some labor, and save your club a **lot** of money, as well as being environmentally 'green'.

For those of you who contribute to the United Way campaign, QVEA is now listed as a charitable organization allowing you to direct your donation to us for the support and

expansion of the Zagray Farm Museum. Pfizer Foundation also has a volunteer program that provides QVEA with substantial donations each year, based on the volunteer work of members who work or are retired from Pfizer.

Hough HA

The little Hough HA loader is now back at the farm, but not before it gave me one last problem. It was 100 percent completed, test run and down off the blocks when it started leaking hydraulic fluid out of the pump seal. Not a simple repair, because to get to it you need to remove the counterweight and radiator, drain fluids, etc. That completed, the Hough HA is now back in operation, engine rebuilt, brakes repaired, hydraulic pump repaired, and various other issues corrected.

Stationary Engine Building

For the second time, the 17 foot logs brought in for the last two 8X8 posts did not pass the metal detector. A large metallic object at 8' - most likely a clothes line pulley. But a couple more came in, so we are hopeful. We are in conversation with the CHS and expect approval shortly. When permits from the town are completed, we will need to build the foundation for the Fairbanks engine and mount the engine before the building can be erected. This is necessary to permit the 80D to lift the 22 ton engine into place. Buried high voltage electrical service is to be brought in from the first pole on our side of Route 85 up near the Johnson property, go to the road near where the band sets up, and continue to a transformer next to the stationary engine building. This central location will allow us to power all buildings in the area including the saw mill and tractor shed. It will be an interesting project, to be sure!

Happening at the Farm!

A major clean-up and re-organization of the farm was done prior to the May Allis GOTO show. Many hands were involved trimming trees and brush, mowing, recycling tires, moving equipment, general clean-up and loading a scrap dumpster. About \$1,700 was spent removing junk tires, but only about \$900 came in from scrap metal, as scrap is low right now.

The steam engine has been disassembled in an effort to get that piece to a state where we can run it on compressed air for demonstration. It needs to be sleeved.

The saw mill has been disassembled to install concrete piers in place of the railroad ties installed by the Zagrays in the 1960's or so. They are rotted out and causing the mill to need constant straightening. Three 12" X 48" X 48" piers have been installed on the log side, 3 sono-tubes installed to anchor the ways down, and the take-off side of the mill has been excavated for 3 more footings. It will be ready for the July Show, no problem.

Our water wagon broke the tie rod again, but Robyn and Sean took an interesting approach to repair it using a top link from a 3 point. It looks to work well. I think we will need to replace the rusting tanks on this unit with some of the large plastic tanks we have.

The sweeper tank is off our new service truck, some frame welding and strengthening has been done (the salt from the parking lot picked up in the sweeper operation rots out everything under the rear of the truck. That's why we got it). We have a nice fiberglass 10' body we bought to go on it along with an Onan welder/generator. When completed, it will carry the welder, torches, tools, and maintenance items directly to the machine needing service.

The Case 1200 project is nearing completion and will no doubt be shown off at the July show (as long as Ed doesn't break any more bones!)

The Atlas Diesel from the button factory will be moved 6/15 to Art's workshop in Middletown for restoration. It will require a lot of patience as it is seriously stuck.

F series Farmalls continue to get attention along with ongoing mowing and grounds maintenance. Volunteers are always welcome!

2015 Projects yet to do

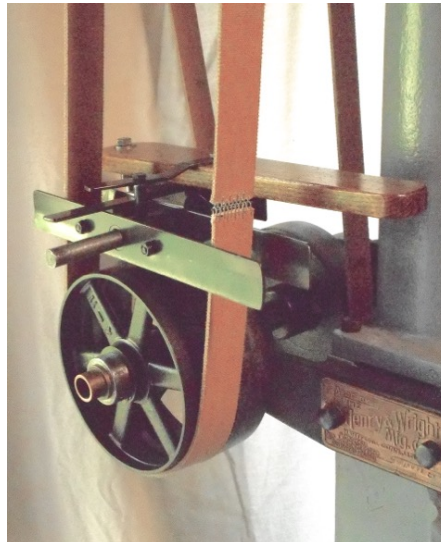
- Remove line shafting from button factory in Willington.
- Move insulation panels to upstairs of tractor shed.
- Remove the scraggly trees from the stone wall on RT 85 north of our entrance for increased northbound site line.
- Install laneway at entrance to parking lot to help with parking during wet weather.

Machine Shop Notes

By Dave McClary

June 2015

There was some scrambling at the last minute before the May show to correct some straying belts in the Machine Shop. The milling machine belt from the line shaft was the first casualty. Subsequently, a belt guide was made and installed that seems to have resolved that problem. The newly restored Henry & Wright drill press was another problem in that the belt from the line shaft to the jack shaft came off repeatedly. Examination of the laced joint showed it was slightly misaligned. One side was cut off and a new lacing joint made. That solved the problem. Also, the belt driving the spindle came off. This belt is mainly guided by the two pulleys mounted on the arbor at the top of the column. One of these pulleys, the one for the belt section returning from the spindle pulley to the drive pulley is keyed and held in a vertical plane. The other pulley can be rotated around the arbor and is held in position with a set screw. Lacking any prior experience or instructions on how to set this, the pulley was canted a few degrees to direct the belt going to the right side of the spindle pulley for a first try. That seemed to be the needed action and it turned out to be just right. So, the drill press was operating for the show making half inch holes in a length of 2 x 10. The third try at belt shifter was not successful. This the drill that was wholly missing. A developed that utilizes the support the left drive shaft bearing. That now 5/8 inch shaft extending to the left drive pulleys. Experiments showed wide cylinder can be shifted along without binding. In fact it can be pushing or pulling at a small angle. A was mounted off that support that is guides to provide the needed two lever is easily at hand on the left side operator. See the pictures below for completed drill press.



inch holes in a creating a working is the only part of new concept was extending above rigidly supports a over the idler and that a two inch the 5/8 inch shaft moved with a link horizontal lever linked to the belt inch motion. This of the drill for the views of the

While searching for information about this drill press, the Old Wood Working Machines (OWWM.com) web site was explored as a drill is equally useful making holes in wood as metal. There was only a brief mention and a picture of a much later machine found and no information about the company. I am planning to join that forum type web site and provide the information that has been found about the company as well as pictures of this early machine including key patent drawings. I will also explain the Zagray farm source of the drill and current use being made, making reference to the QVEA web site. Another candidate for similar action is the Robbins and Lawrence iron planer that should be described on the companion Vintage Machinery (vintagemachinery.org) web site. Information gained about these rare machines should be shared with others.



NOTE FROM THE SECRETARY/EDITOR: We still have 150 members who receive these newsletters via U. S. Postal Service. The cost to the club each quarter is \$75.00 in stamps and average \$130.00 in printing cost; that's about \$800 each year. If you are able to receive newsletters by email, please let me know at tewksbdk@outlook.com.

I'm also adding a few pictures to show you some work being done at the farm recently.



Art and Dave Chester, Ned Tewksbury and George Lehr (not pictured) have been working past two weeks to put forms into the ground for 6 cement support piers that will make the running of the Lane sawmill much more secure.



Several members were at the farm Monday, June 15, to load the Atlas Diesel engine on to Kenny Avery's truck. Ken then delivered it to Art's place in Middletown. Let's hope Art is able to get it un-stuck.



George Lehr's sister, Joanie, has been hard at work helping her brother putting in the farm house vegetable garden and putting in this beautiful flower garden at the memorial.

Dianne Tewksbury
QVEA Secretary & Editor
90 Park Road
Colchester, CT 06415

APPLICATION FOR MEMBERSHIP

QUINEBAUG VALLEY ENGINEERS ASSOCIATION, INC. (QVEA)



NAME _____

STREET _____

CITY _____

STATE/ZIP _____

PHONE _____

E-MAIL _____

Dues are \$20.00 per person for one year, payable with application.
Dues include liability insurance at the farm.

RETURN TO: QVEA, 180 SOUTH PLUMB RD, MIDDLETOWN, CT 06457