



Historical Boiler Licensing Board

Mission of the Historical Boiler Licensing Board:

The Historical Boiler Licensing Board ensures public safety through the adoption of rules governing the criteria inspectors of historical boilers utilize in determining the safe operation of historical boilers. In addition, the board approves historical boiler operator courses and issues operator licenses to those individuals qualified to operate historical boilers in public.

Ohio Administrative Code 1301:3-4 Historical Boiler Rules

<http://codes.ohio.gov/oac/1301%3A3-4>

Next Board Meeting

April 10, 2019
10:00 a.m.

Superintendent's Conf. Rm.
6606 Tussing Road
Reynoldsburg, OH 43068

2018 Stats:

- 37 HB inspections done
- 23 HB inspections due
- 9 new HB licenses issued
- 20 people passed training classes
- 706 HB licenses issued to date



Meet Board Member - Bruce Babcock

Bruce Babcock has served on the Historical Boilers Licensing Board since December 2002. He is the only member of the original board that is still serving today. In addition to his tenure on this board, he also served for several years as a member of the National Board of Boiler and Pressure Inspectors Task Group on Historical Boilers.

Following the disaster in Medina, he conducted research on the history of the failure of fusible plugs and discovered that oxidation of the filling in the fusible plug was most likely the reason that the plug in that boiler failed to provide the necessary protection. Publication of his findings was instrumental in his being appointed to this board. In 2009, he drafted Paragraph PFT 52 Fusible Plugs, which became part of Section I of the ASME Boiler and Pressure Vessel Code.

Over the past 15 years, Bruce has served as an instructor at several steam schools, including, Carriage Hill Farm Metro Park, Pawnee Steam School, Days Gone by Steam School, and the Hocking Valley Steam School. In addition to his teaching, he has authored many articles on the subject of boiler safety, Prony brakes, and the use of steam engine indicators. He has used his steam engine indicators to evaluate the settings of the valves on the steamboat The Belle of Louisville, the locomotive York, several Amish industrial engines, and many traction and portable engines. Today, his favorite activity with these instruments is in coaching others in their use.

CONTINUED ON PAGE 3

Professional Development:

The following outlined courses have been approved by HBLB.

Hocking Valley Steam Course (OH)
Robert Baughman—740-753-1916

“The Boss” (Northeast OH)
Joseph Harrison—330-340-9703
Todd Young—419-281-9935

Carriage Hill Farms (Western OH)
Doug Haus—937-275-5012

Bennett Restoration
Jerrod Bennett—419-789-6781

University of Rollag (MN)
WMSTR Secretary—701-212-2034

Somerset Steam & Gas Association (VA)
Dennis Rupert—517-398-0152

Wisconsin Historical Steam Engine
Association
Marshall Deets—608-882-9052

Heritage Park of North Iowa
Jerred Ruble—jerred.ruble@gmail.com

Central States Threshermen’s Reunion
School (IL)
Doug Smith—317-341-4987

Steam Association of Manitoba
Jim Nowell—204-837-1562

*This list may not include all courses in Ohio. For a complete list, please visit our webpage at <http://www.com.ohio.gov/dico/HBLB.aspx>

Meet Board Member, - Bruce Babcock, (continued)

Bruce has a BS in Mechanical Engineering, as well as graduate degrees in other areas. He is a licensed Historical Boiler Operator in Ohio. He owns a 45 HP J. I. Case traction engine, a 10 HP Peerless Portable Engine, a 1/3 scale Advance Rumely traction engine, and a large variety of other pieces of steam-related equipment.

He is also involved in the restoration of an 1820's water powered grist mill, and the 0-6-0 steam locomotive at the Hocking Valley Scenic Railway.

One of his hobbies involves making drawings of antique machinery, such as the drawing of his 45 HP J. I. Case traction engine.

He and his wife, Marlene, live near Amanda, Ohio. They have five children and ten grandchildren.

"Always bear in mind that your own resolution to succeed is more important than any other." — Abraham Lincoln

Public Meeting Notices

Public meeting notices can be found by clicking the link below. It is located toward the end of the page under News & Reports, Latest Updates.

<http://www.com.ohio.gov/>

Historical Boiler Licensing Board Members:

James Lashaway — Chairman

Richard Oeder

Bruce Babcock

Homer "Dan" Rufener

Kim Besecker

John Leck

John Sharier

Dawn Evarson — Board Secretary

State Inspectors:

Bill Glover, 419-512-1904
william.glover@com.state.oh.us

Don Frymyer, 513-505-9576
donald.frymyer@com.state.oh.us

Boiler Log:

Pursuant to Ohio Administrative Code 1301:3-4-02 C, the owner of each historical boiler shall keep and maintain a maintenance logbook which shall be furnished, upon request, to the inspector. The logbook shall include, but not be limited to, the following information:

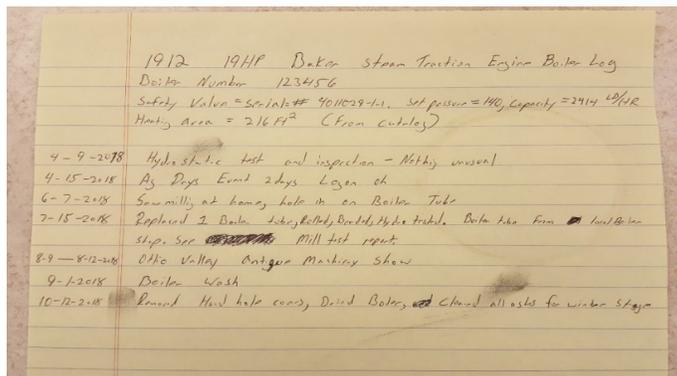
1. Boiler information, including,
 - a. The number and location of a boiler serial number, identification number or other permanent marking on the boiler sufficient to identify the boiler specificity;
 - b. The number and location of a safety valve serial number, identification number or other permanent marking on the safety valve sufficient to identify the set pressure and capacity of the safety valve; and
 - c. The heating surface of the boiler shall be as reported in the manufacturer's specifications or shall be calculated by a method acceptable to the inspector.
2. Inspection dates and findings;
3. Events and dates attended by the general public where the boiler was operated;
4. Failures;
5. Repairs; and
6. Performed maintenance, including, but not limited to, replacement of a fusible plug or a safety valve.

Continued on next page

Boiler Log: (continued)

What does all this mean and how do I make sure I am meeting this requirement?

The boiler log is a central area to keep all paperwork and information pertinent to the operation, maintenance and repair of the boiler. It can be as simple as the hand written example below.



However, while some of this information can be hard to obtain, it will be highly valuable if you choose to sell your boiler down the road, and is statutorily required to be kept. As such, this information should be presented and maintained in the same manner and regard as you present your engine. We suggest the use of a three ring binder like the one pictured below. Inside the binder, we use plastic page sleeves to protect documents.



Items to keep in your log:

- Copies of catalog pages from original manufacture of boiler, if available.
- A sheet with the Ohio boiler number, safety valve information, and heating surface.
- Written details of repairs.
- Material test reports for repair materials.
- Inspection dates.
- Log sheet logging: maintenance activities, repairs, failures, and events that the boiler was operated at attended by the public.
- Any test reports for fusible plugs and safety valves.

Remember, paper is most likely the cheapest part of this hobby. In addition to the required documentation, feel free to include any document that you think is important. Additional things you may want to include are receipts for all materials purchased, and pictures of repairs. Hopefully we have helped to shed some light on this requirement.

Happy Steaming!