

*Raven Hill Discovery Center, incorporated in 1991, is a 501(c)(3) tax-exempt corporation.*

**Mission:** Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

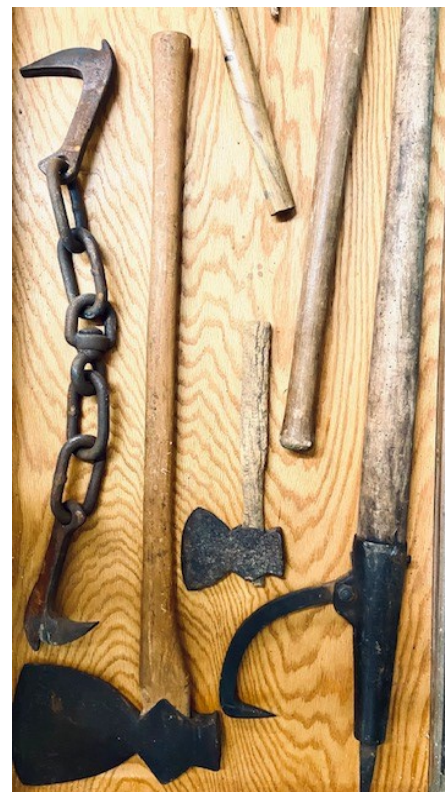
To: Friends and Family everywhere  
From: Cheri and Raven Hill  
Date: November 20, 2021  
Re: Weekly update

Greetings, Everyone!

It is always exciting, when we can make forward progress. Over the past year, we have been collecting old tools and laying them out on the workbench in the Wood Shop with the idea of displaying them. We finally had time to sort the items that we had been gathering. First, we separated out all of the odds and ends. Horseshoes and latches are not really tools, so we pulled those kinds of objects out for other displays. Second, we organized everything used for woodworking, from logging to shaping to finishing tools. The third step will be to clean and polish each item. After that, the implements will be attached to boards and mounted on the Wood Shop walls for display, bringing a visual history of woodworking tools to our visitors.



*The Charlevoix County History Preservation Society (CCHPS) shared this logging photo with the Smithsonian **Labor Days History of Work** exhibit. These logs made their way along waterways to sawmills, eventually becoming houses and shops in the early settlement of America.*



*Vintage logging tools are currently on display as part of the **Labor Days** exhibition, thanks to Joel VanRoekel. Raven Hill's logging gear will soon become part of a new permanent exhibit in the Wood Shop.*

Having taken wood from the tree, we bring the tree back to the wood.

The tree becomes the house, and in ceremony, the house becomes the tree.

--John Stilgoe, historian

*Raven Hill's Treehouse was built in 2008. In the opening dedication, a reading from historian John Stilgoe was shared with visitors. This thought-provoking quote from that reading is still posted inside the Treehouse. Check it out on your next visit to the Center.*





These wooden clamps look similar, but on closer inspection, one has wooden screws and the other has newer metal screws.



Hammers date to 3.3 million years ago with the use of hammer stones. Around 30,000 BCE (Before Common Era – formerly BC) handles were added for more control and accuracy of mallets and hammers. Metal hammer heads appeared about 10,000 BCE. Today, we have claw, ball-peen, framing and tack hammers, to name a few.

Be sure to visit the Smithsonian **Labor Days: History of Work** exhibit soon. Regular weekend hours are noon to 4pm on Saturdays and 2pm to 4pm on Sundays. To make an appointment for other times, call 231.536.3369.

**Note:** Although Raven Hill is closed on Thanksgiving Day, the Center will be open from **noon to 4pm on Friday, November 26<sup>th</sup>** and Saturday, the 27<sup>th</sup>, plus 2pm to 4pm on Sunday, the 28<sup>th</sup>. Bring your friends and relatives out to enjoy a fun afternoon of discovery and exploration over the long holiday weekend!

Just a reminder: we continue to ask everyone to mask up while inside Raven Hill, for the sake of the vaccinated and unvaccinated.



Traditional wooden hand planes smooth and shape wood. They come in many shapes and sizes. Once the metal and wood parts of these planes are cleaned and oiled, they will become part of the woodworking tool exhibit in the Wood Shop at Raven Hill.

We look forward to seeing you.

Cheri



Raven Hill Discovery Center is supported in part by the Michigan Council for Arts and Cultural Affairs and the National Endowment for the Arts through a 2022 Operational Grant Award.

(Right) **Dendrochronology** allows dating of events, environmental change AND wooden archeological artifacts by counting the annual rings that form as a tree grows. You can count the rings on this beam to determine its age.

