

Newsletter of the Horological Tool Chapter #173 of the NAWCC

Tool Enthusiasts' Round-Up

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Bill Curley's Staking Tool

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The Horological Tool Chapter of NAWCC

The Tool Enthusiasts' Round-Up is the newsletter of the Horological Tool Chapter #173 of the National Association of Watch and Clock Collectors Inc., a non-profit educational organization. This chapter and its newsletter are intended to foster interaction among NAWCC members who share a common interest in the use and collection of horological tools of all sorts. If you have an item you have researched, a book of interest, or notes on a project you have made, please consider sharing your knowledge with others through the newsletter.

The annual chapter dues of \$10 will ensure that members receive the newsletter and are included in the Membership Directory when it is published. Members are also entitled to one classified ad in each issue.

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News

The old HP printer used to print the newsletter has broken down and a new printer has been purchased. The quality of printing should be similar to the old printer but, it has a much higher memory and printing speed. However, the cost of ink is significantly higher; so, if you have been thinking about getting your newsletter by email, please switch over to an electronic copy to help keep overall chapter costs down.

We were unable to have a meeting at the NAWCC Nation Convention as we planned but, we had a display that we think recruited a new member or two. We are always looking for suggestions of how we can improve the chapter.

Bruce Forman
Editor Director



A watch movement holder or stand

An Award Winning Staking Tool

What clockmaker has not wished for a large staking tool similar to the one commonly used by watchmakers to press on shafts and rivet gears. Most clockmakers make due with a collection of homemade punches and a bench block but, this method does not guarantee that the punch will be perfectly aligned in a vertical position when in use. Bill Curley stopped wishing and went ahead and designed his own version of the watchmaker's staking tool designed especially for the clockmaker. His staking set won first place in the 2018 NAWCC Craft Competition for best horological tool.



Figure 1. Bill Curley's staking tool.

There are many unique features to this tool. It has three different interchangeable anvils: a multi-hole anvil, a solid anvil, and a specialty anvil. The multi-hole anvil can be rotated and locked in position to use the required size hole. There is a pointed guide pin supplied, made from 4140 prehardened steel for line up. Stumps can be made to fit these holes as required. The solid anvil is for heavy riveting work. The specialty anvil can be fitted with different size inserts so that work that requires clearance can be staged.

The throat depth of the staking tool has enough distance to stage large clock plates. The beam is adjustable in height to allow for long or short parts. Punches can be inverted by using the solid back-up plate supplied with the specialty anvil, much in the same way that punches are used in the K&D Inverto staking set sold to watchmakers. In addition, the staking tool comes with a 7/16 and a 3/16 diameter punch guide; the 3/16 guide is for use with watch stacking punches that you might already have.

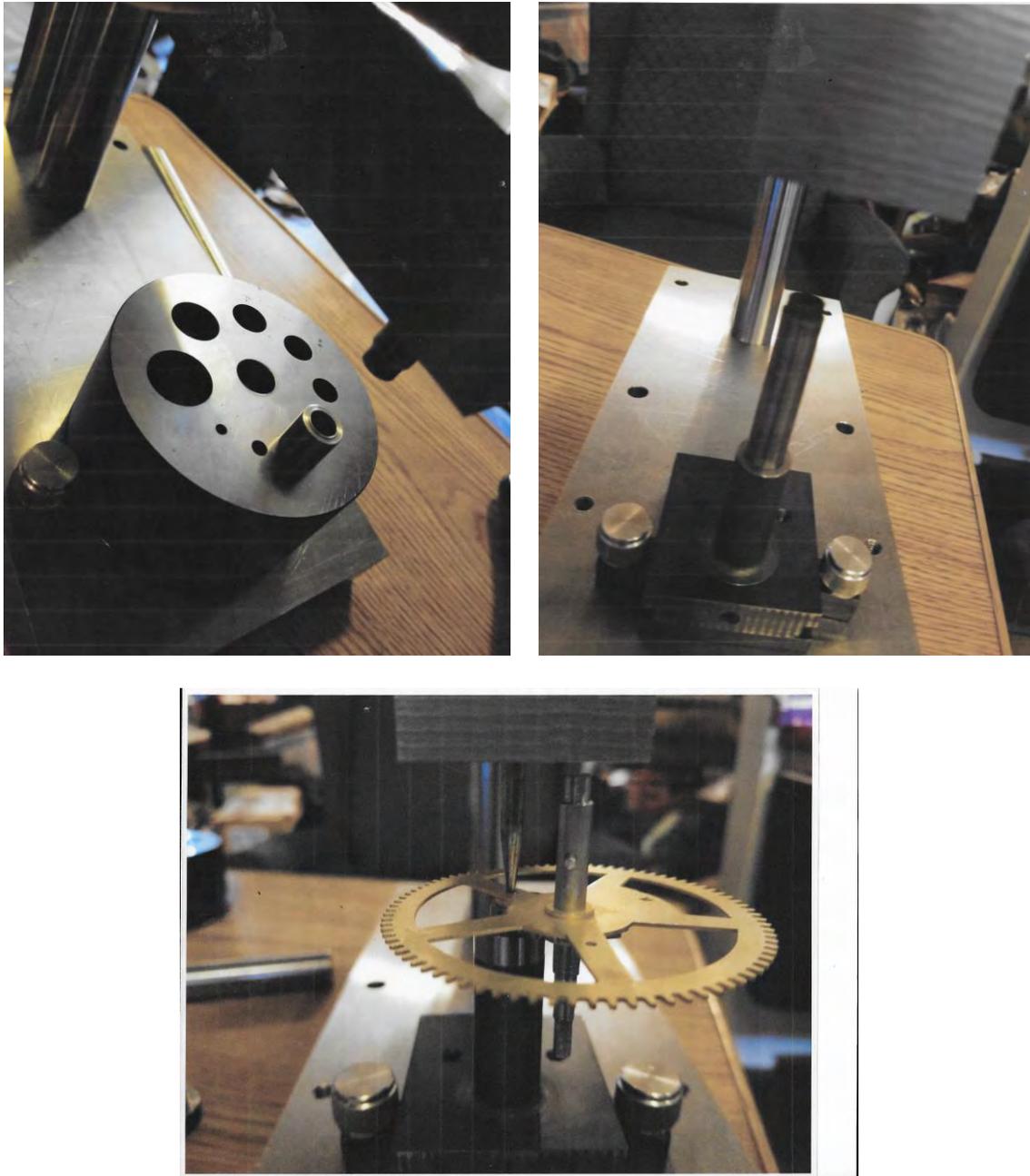


Figure 2. Three different set-ups for the staking tool.

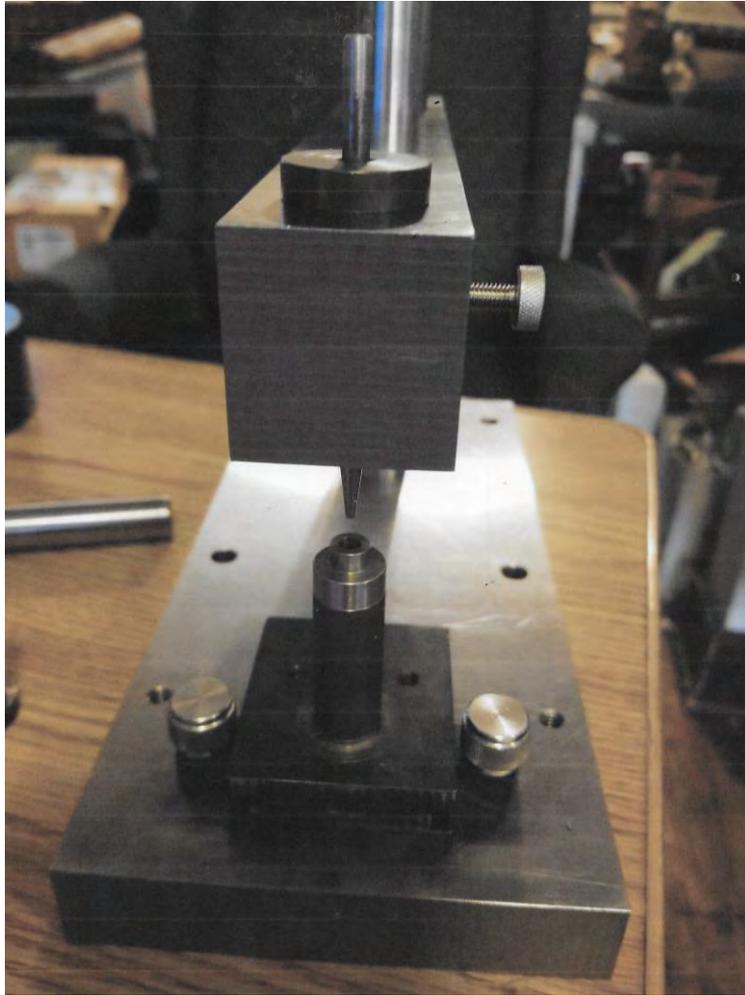


Figure 3. Detail of the head punch guide and specialty anvil.

The staking tool is well thought out and constructed. It would be a welcome addition to any clock shop. We thank Bill Curley for sharing his project with the members of Chapter 173.

Biography of the Maker

Bill Curley developed an interest in clock repair starting in the 1970's. His background was that of a professional tool and die maker with over 25 years experience. After doing repair work for a few years he slowly gathered the necessary tools for his home workshop to begin moving away from general clock repair to specialize in making clock parts. He now can make more advanced parts such as anchors, escape wheels, ratchets, and just about any other clock part that might be needed for a clock restoration. He uses conventional as well as high tech machining methods to produce parts that sometimes other's cannot make.

In the past 20 years prior to retirement he worked as a metal stamping tool design engineer; so, he learned CAD and now uses it to design clock parts. He can provide these CAD drawings to a wire EDM shop to cut out very accurate parts for clocks. In his lifetime Bill Curley has made three complete clock movements and many specialty tools that he sells at local NAWCC chapter meetings. Bill can be contacted at bcfxntime@gmail.com.



Bill Curley milling the multi-hole anvil for his staking tool.

The Ultimate Clock Key!



The editor saw this universal clock key at an NAWCC Mart. It was made by Bergeon and probably came with a high price tag when new. If you collect clock tools this one must be on your dream list.

Classified Advertising

Wanted

Levin and Derbyshire headstock and tailstocks (lever feed) in 10 mm sizes, any condition, running or not. Also 10 mm Levin collets and other related equipment. M. L. Shetler, Watchmaker, 3345 Highup Road, Jasper, N. Y. 14855.

Deckel, Aciera, Rivett, Schaublin, Lorch, Hardinge, Levin, lathe or mill accessories wanted. Will trade, or sell if I have duplicates. Mark Fulmer
(330) 877-2021, Markusfu@hotmail.com

Derbyshire Elect model lathe attachments- pivot polisher, screw cutting attachment, roller file rest, and screw feed tailstock - will trade - for sale: tools from the Elgin watch factory, lathes, grinders, millers, etc...some made by American Watch Tool. J. Dill, 2117 22nd St. Road, Greeley, Co. 80631, Tel: 970-353-8561, jimdle@yahoo.com.

Wanted cutters for an Ingold Fraise I acquired on eBay. Unfortunately the seller did not have any cutters for the tool. Also would like original or copies of any W. D. Clement Lathe and tool catalogs. John S Koepke, 2923 16th Street, San Pablo, CA 94806, 510-236-2197, jskoepke@comcast.net.

Buying antique clock and watchmaking tools prior to 1850. If you have something of interest to sell or trade let me know. Bruce Forman, 234 Eagle Ridge Drive, Valparaiso, IN 46385, (219) 763-4748, email: bruce.forman@frontier.com.

For Sale



Unmarked center lathe with 26 centers, motor, and wooden base, \$525. Cost is \$350, if I keep the wooden base and motor. Bruce Forman, 234 Eagle Ridge Drive, Valparaiso, IN 46385, (219) 763-4748, email: bruce.forman@frontier.com.



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