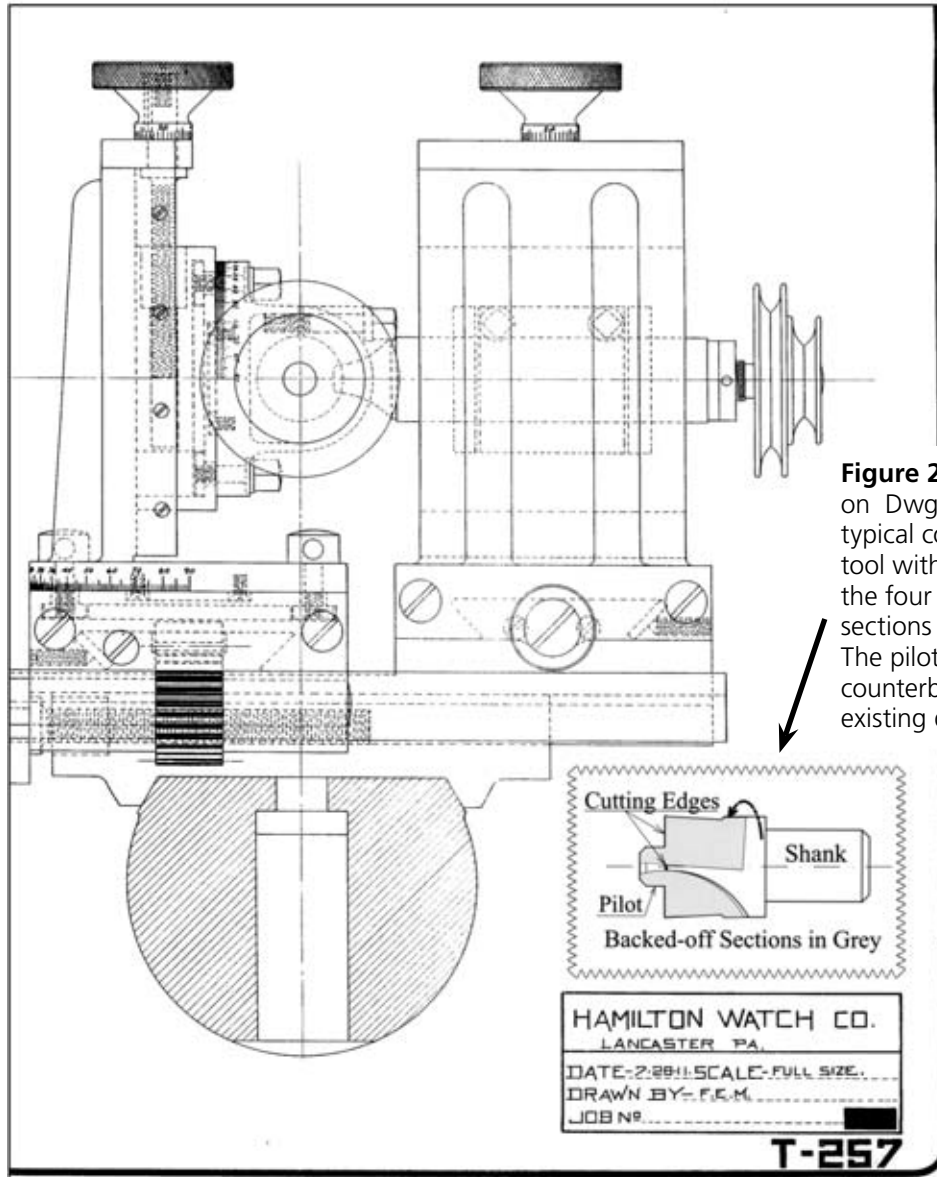




# The National Watch and Clock Museum

By Robert Hostetter, LARC volunteer, and Sharon Gordon, LARC director

## A Hamilton/Illinois Watch tool drawing database update



**Figure 1.** A portion of drawing T-257, dated 7-28-11. The machine was designed to add clearances to counterbores. These clearances provide space for the continuous flow of metal chips from the work area while cutting recesses for screw heads, etc. The size of the complete drawing is 21" x 29" and this portion is approximately one-half scale.

The focus turns to large format drawings as I begin the sixth year of documenting drawings from the Hamilton and Illinois archives. Many of the drawings being processed now are approximately 21" x 29". I mentioned in my last report that the Illinois title blocks lacked enough information to indicate how some individual tools were used. In the early 1900s Hamilton also had not yet adopted an informative title block format or standardized drawing

**Figure 2.** (Overlaid on Dwg. T-257) A typical counterbore tool with two of the four backed-off sections showing. The pilot centers the counterbore in an existing drilled hole.

sizes. I have found drawings made in the early 1930s whose dimensions of 22" x 34" indicate a decision to adopt multiples of the letter-size sheet as a standard.

Currently, drawings made in the early 1900s are being recorded. Figure 1, showing a portion of drawing T-257, looks like a drawing generated by a computer-aided design (CAD) system. But this work was done long before CAD systems were envisioned.

The draftsman (F.E.M.), working in ink with the aid of straight edge, triangle, and compass, traced a scaled drawing done in pencil by the machine designer. It's part of the assembly drawing for a "COUNTER-BORE BACKING OFF MACHINE." In 1911, when this drawing was made, most cutting tools, such as drills, counterbores, and taps, were custom made to suit the size requirements of watch companies, and the quantities required justified building specialized machines to produce these tools.

—Robert Hostetter (PA)

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### Digital-format information now available for loan on compact discs—thanks to volunteer Tom Anderson

1. *Booklet of Special Barrel Bridge and Dial Engravings*. Scanned from an "autograph" book found in the Hamilton Watch archives. Original scans of various prints associated with special barrel bridge engravings and dials. Original document page size noted at the beginning of the disk. The images are unaltered from the original scans. 43 pages.

2. *1909 Hamilton Watch Company Catalog*. Scanned from the original book found in the Hamilton Watch archives. Digitally enhanced images from the 1909 Hamilton Watch Company catalog, including color covers. This document also describes the various grade watches available in 1909. 27 pages.

3. *1917 Hamilton Watch Company Materials Catalog*. Scanned from the original book found in the Hamilton Watch archives. Digitally enhanced images from the 1917 Hamilton Watch Company Materials catalog. 39 pages.

4. *1920 Hamilton Watch Company Materials Catalog*. Scanned from the original book found in the Hamilton archives. Digitally enhanced images from the 1920 Hamilton Watch Company Material Catalog. 49 pages.

5. *1935 Hamilton Watch Materials Catalog*. Scanned from the original book found in the Hamilton Watch archives. Includes color covers. 49 pages.

6. *1930 Illinois Watch Materials Supplement Catalog*. Scanned from the original book found in the Hamilton Watch archives. Digitally enhanced images from the 1930 Illinois Watch supplement catalog/division of the Hamilton Watch Company. Covers dials and hands. 11 pages.

7. *1936 Illinois Watch Materials Supplement Catalog*. Scanned from the original book found in the Hamilton Watch archives. Digitally enhanced images of the 1936 Illinois Watch Materials supplement catalog/division of the Hamilton Watch Company. 11 pages.

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We thank the following individuals and NAWCC Chapters for donating materials to the Library & Research Center: Thomas A. Anderson, Fortunat F. Mueller-Maerki, Bruce Shawkey, NAWCC Chapter 22, and NAWCC Chapter 181. ☒

### New books added to the Lending Library

*Clock and Watchmakers of New South Wales from First Fleet to Federation* by Judy Hose.

*Clockmakers and Watchmakers Operating in the State of Victoria from Settlement to Federation* by Judy Hose.

*Ziegeler—Melbourne's Clockmaker* by Ken Hose.

*Fairbairn's Crests of the Families of Great Britain and Ireland* by James Fairbairn; revised by Laurence Butters.

*Dictionary of Ornament* by Philippa Lewis and Gillian Darley.

*Chronometer Makers of the World*, rev. ed. by Tony Mercer.

*Die Taschenuhren der E. Howard & Co., Boston* by Christian von Büchau.

*An Illustrated Dictionary of Ornament* by Dora Ware and Maureen Stafford.

*Carving Architectural Detail in Wood—The Classical Tradition* by Frederick Wilbur.

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