

The Davistown Museum
 The Ancient Dominions of Maine: An Archaeology of Tools
 The Industrial Revolution (1865f.): Other Factory Made Tools

Status Location

Agricultural Implements

<p>100108T2 Brush cutter</p> <p>Cast steel, 11 1/4" long, 5 1/2" diameter cutting blade, signed ".W.T.CO" on the metal with a paper label "Champion Bus ___" "NORTH WAYNE T___" and "HALLOWELL, M_". The paper label is partially missing. http://www.davistownmuseum.org/publications/volume10.html</p>	<p>DTM MH</p>
<p>32708T45 Bull nose puller</p> <p>Iron, 8 1/2" long, unsigned. This is also called an oxen guide. It is used to walk a bull with no ring in the nose. http://www.davistownmuseum.org/pics/32708t45.jpg</p>	<p>DTM MH</p>
<p>101701T5 Fence puller</p> <p>Steel and wood, 16 1/4" long, 4" wood handle located in the middle of the tool, unsigned. This is an excellent whatsit.</p>	<p>DTM MH</p>
<p>30911T11 Garden rake</p> <p>Forged malleable iron, 4" long handle attachment, 7" x 4" tines, unsigned. It is hand-forged with 4 tines. The handle attaching piece and two inner tines are forged to the body.</p>	<p>DTM TT</p>
<p>22411T11 Garden shears</p> <p>Drop-forged tempered alloy steel, 8 1/2" long, 2" wide, signed "J. T. HENRY" "HAMDEN, CT." and "49". These feature a locking handle. DATM (1999) lists Henry's working dates as 1882 - 1894.</p>	<p>DTM TT</p>
<p>22612T1 Hay hook</p> <p>Drop-forged steel, wood handle, 9" long, 1/2" diameter, 5" long handle, signed "C DREW & CO. KINGSTON MASS." This tool is also known as a bale hook. http://www.davistownmuseum.org/bioDrew.htm</p>	<p>DTM TT</p>
<p>101400T9 Pig skinner</p> <p>Cast or forged steel and wood, 11 1/4" wide with a 9 5/8" diameter scoop, unsigned, c. 1860 - 80. This is the universal pig skinning jig.</p>	<p>DTM MH</p>
<p>TKD3001 Pitchfork</p> <p>Forged iron, 26" long, 4 7/8" wide, unsigned. It is of European origin. http://www.davistownmuseum.org/bioLynch.htm</p>	<p>DTM MH</p>
<p>31212T17 Planters' dibble</p> <p>Drop-forged steel with red painted wooden handle, 11" long, 1 1/8" diameter, unsigned. Courtesy of Liberty Tool Co.</p>	<p>DTM TT</p>
<p>102800T6 Pruning shears</p> <p>Cast or drop-forged steel, 10 1/2" long, 2 3/8" long cutters, signed "D. Bowers". No D. Bowers is listed in DATM (Nelson 1999).</p>	<p>DTM MH</p>
<p>100208T3 Scythe blade (A) plus pieces of steel (B) and iron (C)</p> <p>Malleable iron and steel, A) 33 1/2" long, 1 7/8" wide, 28 3/4" blade; B) 33 3/4" long; C) 33" long, 1 5/8" wide 28 1/2" blade, unsigned. This unique grouping from the North Wayne Scythe Co. illustrates the components of a late 19th century or early 20th century drop-forged scythe. A piece of high carbon steel bar stock (B) is forged onto a partially forged and shaped piece of malleable iron (A). After further drop-forging and hand hammering, (C) represents the final product prior to additional filing, shaping, and sharpening. It is a unique relic from the heyday of Maine's edge tool manufacturing era. From the collection of Ed Shaw. http://www.davistownmuseum.org/publications/volume10.html</p>	<p>DTM MH</p>

		Status	Location
101701T4	Sheep shears	DTM	TT
<p>Cast steel, 12 1/4" long, signed with an interesting cartouche illustrating the function of this tool: a farmer shearing a sheep with the mark "clipaway". This is probably a 20th century tool and is an excellent specimen for in-class demonstration.</p>			
31908T37	Sheep shears	DTM	MH
<p>Steel, 13 5/8" long, 6 1/2" long blade, signed "BURGON & BALL" "PATENT" "NO" "294(2)" in a trademark, also "B.B" "ENGLAND". Burgon & Ball is still making manufacturing tools. They started in 1730 in Sheffield, England. http://www.davistownmuseum.org/pics/31908t37p1.jpg http://www.davistownmuseum.org/pics/31908t37p2.jpg</p>			
101511T2	Sickle	DTM	TT
<p>Drop-forged steel, signed "North Wayne Tool Co., Oakland, ME USA" and an owners signature nearly obscured : "M__OLIN". This sickle is used for cutting grass and probably is an early 20th century product. http://www.davistownmuseum.org/bioNorthWayne.html</p>			
31811T30	Sod cutter (?)	DTM	TT
<p>Hand-forged malleable iron, 17" long, "Y" shaped end 4 3/4" long and 6 1/4" wide, signed "STINSON". This is an unusual configuration for a tool, which has been hand-forged and welded, perhaps for a special use. http://www.davistownmuseum.org/bioUnderhillandbrown.html</p>			
Blacksmith, Farrier, and Metalworking Tools			
22601T2	Adjustable jaw cut nipper	DTM	MH
<p>Steel with carbide tipped jaw, 7" long, signed "L S Starrett Co. Athol Mass USA No 1- 7 IN". It is for use in wire mills, piano tuning, and by telephone workers for wire cutting. The removable jaws may be reground, repaired, or replaced. DATM (Nelson 1999, 751) contains historical information on L. S. Starrett Co. http://www.davistownmuseum.org/bioStarrett.htm</p>			
22411T4	Blacksmith tongs	DTM	TT
<p>Drop-forged steel, 3 5/8" long, 1 1/8" wide, unsigned. These miniature tongs were possibly a salesmans' sample or a design model.</p>			
31212T1	Blacksmiths' end cutters	DTM	TT
<p>Drop-forged steel, 14" long, 1" wide cutting edge, signed "J-I-C. HELLER BRO'S.CO.U.S.A.". Heller & Brothers worked in Newark, NJ from 1866-1899 (Nelson 1999). Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioHellerBros.html</p>			
TJD1006	Blacksmiths' rasp	DTM	MH
<p>Drop-forged iron, 15 11/16" long, 1 5/8" wide, signed "HELLER BROS NEWARK NJ" with it's famous horse and farrier 4 touchmark. This tool is unusual because it shows little sign of wear. Heller Brothers was one of the great late 19th century tool manufacturing companies. Rather than being a blacksmith-made rasp, this tool is a product of the factory system that arose during and after the Civil War. DATM (Nelson 1999) lists Heller as c. 1870 f. http://www.davistownmuseum.org/bioHellerBros.html</p>			
50402T9	Blacksmiths' tap	DTM	MH
<p>Cast steel (?), 3 1/2" long, signed "J M KING" and "14". J. M. King is an early mark of J. M. King & Co., Waterford, NY (1887 - 1910), maker of dies, pliers, and taps (Nelson 1999, 151-2).</p>			
31611T5	Bolt header	DTM	TT
<p>Drop-forged malleable iron, 14 1/2" long, 3/8" x 1 3/16" working area, signed "C. J. Bradury". This is factory-made; Bradury is probably an owner.</p>			
091611T1	Channel swaging hammer	DTM	MH
<p>Drop-forged cast steel with wood handle, 19" long handle, 4 1/4" x 1 1/2" head, 3/8" diameter swage, signed "ATHA TOOL CO" "CAST STEEL" and "3/8". http://www.davistownmuseum.org/bioAtha.html</p>			

091611T2	Channel swaging hammer	DTM	MH
Drop-forged cast (?) steel with wood handle, 14" long handle, 5" x 1 1/8" head, signed "A. B. MORES & CO." "BOSTON" "HAWKINS PATTERN".			
111001T26A	Cold chisel	DTM	MH
Steel, 5 1/2" long, 7/16" blade, signed "Stanley Atha 16(?) 3-8 Made in USA". http://www.davistownmuseum.org/bioStanley.htm			
93011T8	Cold chisel	DTM	TT
Drop-forged tempered alloy steel, 18" long, 2" wide, signed "ATHA" "1470" and with a horseshoe enclosing an A. http://www.davistownmuseum.org/bioAtha.html			
TBL1002	Cold chisel	DTM	MH
Cast steel, 6 1/4" long, 5/8" cutter, signed "2173 C DREW KINGSTON MASS", c. 1920. http://www.davistownmuseum.org/bioDrew.htm			
31811T10	Cold chisel	DTM	TT
Drop-forged German steel, 5 3/4" long, signed "A" "G&U" and "PRODUKT" in a diamond, "TEMPERED STEEL" and "GERMANY".			
TJD1008	Cold chisel (2)	DTM	MH
Forged steel, 5 1/2" long, 9/16" wide, signed "SILICO MANGANESE STEEL", c. 1880 - 1900. These illustrate the invention and use of steel alloys for special purpose tools.			
22512T5	Crimping tool	DTM	TT
Drop-forged steel, 10" long, signed "L.L. ROWE BOSTON" "PAT. DEC 21 1886". L. Leroy Rowe received this patent No. 354,657 for an improvement to a device for crimping the ends of stove or other sheet metal pipe. http://www.google.com/patents/US354657 . This tool is donated by Liberty Tool Co.			
81200T12	Cross peen hammer	DTM	MHC
Drop-forged steel, 5" long, 1 1/4" wide peen, 1 3/8" long head, unsigned. This is a typical late 19th century factory-made blacksmiths' cross peen.			
31811T6	Engravers' tool	DTM	TT
Cast steel, 5 1/2" long, 1/2" wide, signed "AH". It has a spiral (shell) pattern.			
22411T30	Engraving stamp	DTM	TT
Drop-forged steel, 4 1/2" long, 1" wide, the letters are 1 5/8" x 3/8", signed "S. M. SPENCER MFG. CO." "BOSTON, MASS.". The stamp is used to mark "ROCKLAND". DATM (Nelson 1999, 741) lists this company as a die maker in Boston with unknown dates. S. M. Spencer was listed working in Brattleboro, VT, in 1867 and 1872.			
21201T4	Farriers' hammer	DTM	MH
Cast steel with wood handle, 11 5/8" long, 9 5/8" handle, 4 3/8" wide, 5/8" octagonal face, signed "Atha Tool" with the distinctive horseshoe touchmark. DATM (Nelson 1999) indicates the famous and prolific Atha Tool Co. may have been producing tools as early as 1875 in Newark, NJ. Buying out many competing tool and hammer-makers, they were purchased by the Stanley Rule & Level Co. in 1913, who retained their touchmark. "They were especially noted for farrier tools and also made mining tools." (Nelson 1999, 39). http://www.davistownmuseum.org/bioStanley.htm			
32412T6	Farriers' knife	DTM	TT-34
Malleable iron handle, steel blade, 9" long, 4 1/4" long blade, unsigned. This iron handled knife is the design of T. J. Pope (though this particular example bears no maker's mark). He made farriers' hoof knives from 1890-1913. It was donated to the museum by Liberty Tool Co.			
52603T22	Farriers' knife	DTM	MH
Malleable iron and steel, 11" long, 5 3/4" long blade, signed "S. W. Helway".			
81200T9	Farriers' shoe hammer	DTM	MH
Drop-forged steel, 5 3/8" long, signed "Champion Tool Co. Meadville PA", c. 1885.			

071704T1	Farriers' tool kit	DTM	MH
<p>Wood, 20 3/4" long, 12 1/2" wide, unsigned. This wooden tool kit contains a selection of farriers' tools including: 3 rasps, tongs, 2 clinchers, pliers, 2 farriers' hammers, trimming tool, apron, and steel horseshoe nails.</p>			
TJD1001	Hammer	DTM	MH
<p>Drop-forged steel, 12 3/4" long, 7/32" square face, signed "MADE IN USA" with "H" as a touchmark. This is an unusual blacksmiths' hammer; the stamped mark indicates it was made late in the 19th century.</p>			
5212LTC2	Hand metal punch	DA	TT
<p>Cast iron, steel, 7 1/4" long, unsigned. Courtesy of Liberty Tool Co.</p>			
41203T12	Hand vise	DTM	MH
<p>Drop-forged steel, 5" long, 1 11/16" wide jaw, signed "Billings & Edmands Mfg. Co. Rocky Hill CONN" and "DROP FORGED OF BAR STEEL". This tool has a most unusual designation of manufacturing process, not noted on any other tool; DATM (Nelson 1999) lists Billings & Edmands working dates as 1884 to 1899. It is a typical hand tool that would be found in any toolmaker or tool repair workshop.</p> <p style="text-align: center;"> http://www.davistownmuseum.org/pics/41203t12_p1.jpg http://www.davistownmuseum.org/pics/41203t12_p2.jpg </p>			
121201T1	Hand vise	DTM	MH
<p>Drop-forged malleable iron, 3 1/2" long, 1 1/4" wide jaw, signed "IMHOFF & LANGE". DATM (1999, 1030) indicates Imhoff & Lange is a foreign company that made bits. This maker's mark has never been seen before by the Liberty Tool Co. These smaller sized vises often appear in watchmaker toolkits.</p>			
111001T28	Nail holder	DTM	MH
<p>Drop-forged iron, 6" long, signed "Williams Nail Holder & Guide Patent 1688446". This is a very uncommon tool. DATM (Nelson 1999) notes Williams only as a maker of lemon squeezes and rules, no mention of nail holders.</p>			
914108T11	Punch	DTM	MH
<p>Metal, 4" long, signed "WILLIAMS & PAGE" and "BOSTON". The "Twelfth Exhibition of the Massachusetts Charitable Mechanic Association at Faneuil and Quincy Halls, Boston" in 1874 (books.google.com) lists this company name as a maker of railroad supplies. There is an auction listing for a kerosene lamp made by them that was dated 1865.</p>			
32502T35	Punches (3)	BDTM	MH
<p>Malleable iron, 3" to 3 1/2" long, signed "L S Starret" on one, c. 1920. http://www.davistownmuseum.org/bioStarrett.htm http://www.davistownmuseum.org/bioEpstein.htm </p>			
31602T13	Rasp	DTM	MH
<p>Steel, 18" long, 1 9/16" maximum width, signed "Carver File Co USA".</p>			
80802T1	Ring pliers	DTM	MH
<p>Cast steel, 8" long, signed "FOR BETTER RING JOBS SPEEDY TOOL SALES LOS ANGELES 42 CALIF. MADE IN USA". http://www.davistownmuseum.org/pics/80802t1.jpg </p>			
31011T1	Screw plate	DTM	TT
<p>Cast steel, 6 1/4" long, 1 1/8" wide, signed "BLECKMANN" in a circle with two unidentifiable letters underneath it in script. This is a thread cutting adjustable die used by a blacksmith. DATM (Nelson 1999, 93) lists Bleckmann with no information on working dates or location.</p>			
914108T1	Tap wrench	DTM	MH
<p>Metal, 7 3/4" long, 1" wide, signed "W. F. PAGE" and "NO. 1". Possibly W. F. Page is the owner of this tool and not the maker. The name is stamped on it in 3 places.</p>			
102100T5	Tapping stock	DTM	MH
<p>Cast steel, 7 1/4" long, unsigned.</p>			

- 93011T20 **Tin snips** DTM TT
Drop-forged steel, 10 1/2" long, signed "FORGED STEEL" on both handles.
- 10407T7 **Tin snips** DTM MH
German steel, 11 3/4" long, signed "MATEA".
Probably German- or Italian-made around the turn of the century (1900) of drop-forged German steel and then heavily polished. The steel in this relatively modern tool (1890 - 1910) would be the traditional German steel or an open hearth bulk process furnace steel commonly found after 1875.
- 102100T16 **Tin snips** DTM MH
11 3/4" long, 2 7/8" blade, signed "Peak, Stow & Wilcox West Berlin Ct 9".
This is an early example of one of the most prolific toolmakers of the Industrial Revolution (1870f.) This specimen clearly illustrates the junction of the steel cutting components with the drop-forged sections of the blades. In more modern tinsnips, this junction is no longer visible.
- 51606T8 **Tin snips** DTM MH
German steel, 10 1/8" long, signed "Goldenberg" and "ACIER FONDU".
This is a nice example of a French-made late 19th century tool made with a weld steel cutting edge and hand-filed steel or iron handles. This tool has a modern appearance (post 1860) but still shows evidence of extensive handwork.
- 31611T10 **Tongs** DTM TT
Drop- and hand-forged malleable iron, 9" long, 1" nippers, unsigned.
The head of the tongs is convex in shape for holding round stock. It has an unusual configuration with one handle bent and extending 6 inches at a right angle.
- 12900T9 **Tubing cutter** DTM MH
Die cast nickled alloy steel, signed "Imperial Brass, Chicago" and "94-F PAT. D-99190".
For sale on eBay was a 1919 Imperial Brass Mfg. Co, Chicago IL, ad for Soap System For Sinks and a 1950s Imperial Brass Mfg. Co. ad for toilet flush valves.
<http://www.davistownmuseum.org/pics/51100t6.jpg>
- 5212LTC3 **Turning sledge** DA TT
Drop-forged steel, 6" long, 2 3/8" diameter face, signed "MEXICO".
Courtesy of Liberty Tool Co.
- 913108T31 **Wire-cutting pliers** DTM MH
Metal, 5 1/2" long, signed "KRAEUTER U.S.A." including the quotation marks inside a rectangle with < > ends and "1821 5 1/2".
Kraeuter & Co. were located in Newark, NJ from 1879 - 1931 and made calipers, chisels, hammers, leather tools, machinist tools, pliers, and wrenches. This is a nice example of a turn of the century tool made by one of America's premier toolmakers.
- 40408DTM3 **Zig-zag rule** DTM MH
Stainless steel, wrapped in wax and paper, 36" long in 12" sections, 3/4" wide, signed "No. 753 GENERAL HDW. MFG. CO., INC. NEW YORK N.Y. U.S.A. STAINLESS" with graduations in 32nds, 16ths, and 8ths of an inch.
DATM (Nelson 1999) lists 1887 as the working date of this company. The wrapper lists the following information: "STK. NO. 8560 41-R-2750" "NOMENCLATURE RULE" "QUANTITY ONE UNIT EA." "PROCESSED LKY AUG 54" "METHOD 1A-1 P9"
<http://www.davistownmuseum.org/pics/40408dtm3p1.jpg>
<http://www.davistownmuseum.org/pics/40408dtm3p5.jpg>

Cast Iron Tools and Artifacts

- 50402A1 **Architectural ornament** DTM MH
Cast iron, 9 1/2" high, 7 1/4" wide, unsigned.
This is a nice example of Victorian ironwork.
- TGB2206 **Pot** DTM MH
Cast iron, 3 1/4" high, 2 3/4" diameter, signed "PAT D APR 16 1872".
The production of cast iron implements continued throughout the 19th century, characterized by an increase in quality, variety, and durability as forging methods and alloys became more sophisticated.

TTCI3000 Screw jack

DTM MH

Cast iron, 3 1/2" high with a 1 1/2" diameter jack face and a 2" base, signed "C E HOBBS CO BOSTON" and "3/4 X 2".
DATM (Nelson 1999, 387) lists C. E. Hobbs as an individual working in Barre, VT from 1887-1890, but no company in Boston with this name.

Cobbler and Saddler Tools

3312T3 Cobblers' channel gouge

DTM TT

Drop-forged steel, wooden handle, brass ferrule, 6" long, unsigned.
The cutting edge is broken off. Courtesy of Liberty Tool Co.

22411T2 Cobblers' hammer

DTM TT-D30

Drop-forged steel, 11 1/2" long, with a 3 1/4" long, 1 1/2" wide head, signed "S. W. CHRISTENSEN CO." "BROCKTON, MASS." "MADE IN" "U.S.A." and "2".

32412T4 Cobblers' hammer

DTM TT-29

Drop-forged steel, hickory wood handle, signed "REX" and "STEEL DROP FORGED CHAMPION".
Numerous companies have Champion or Rex in their name or as brand names, but DATM (Nelson 1999) does not list any using both. Donated by the Liberty Tool Co.

42405T10 Cobblers' hammer

DTM MH

Drop-forged steel, 3 5/8" long, 1 1/8" diameter face, signed "USMC D".
USMC stands for the United Shoe Manufacturing Co., Boston and Lynn, Massachusetts, 1873 - 1913. This is a typical generic late-19th century drop-forged cobblers' hammer.

52603T5 Cobblers' pincers

DTM MH

1856, 7 3/4" long, signed "W + C. WYNNE 2 WARRATED STEEL HAMMERS".
These are a type of pliers.

111206T4 Corn bung

DTM MH

Malleable cast iron, 5/8" diameter corn bung, 16 5/8" coupling with a 1" diameter corn bung hole, signed "Lightning Fulton III, Pat. Oct. 12 87".

This is a tool that would be used to impress your shoe with an indentation to make the situating of your corns (on your foot) in your boot or shoe more comfortable. It is an excellent example of a drop-forged malleable iron or low-carbon steel tool.

31808SLP15 Currier shave

DTM TT

Steel and wood, 15 1/2" long, 13" curved blade, unsigned.

<http://www.davistownmuseum.org/pics/31808slp15-1.jpg>

<http://www.davistownmuseum.org/pics/31808slp15-2.jpg>

TJD1002 Hand punch

DTM MH

Drop-forged iron, 4 3/16" long, signed "EYELET TOOL BOSTON".

This factory-made cobblers' tool is clearly signed. Even in the late 19th century, many shoes and boots were still made at the farm for both home use or for wholesalers.

<http://www.davistownmuseum.org/pics/tjd1002.jpg>

111001T34 Lace cutter

DTM MH

Cast iron and steel, 2 1/4" long, unsigned.

This tool is identified as an Elliot Patent (May 3, 1880) lace cutter for cutting shoelaces in Sellens (2002, 270) "Dictionary of American Hand Tools".

<http://www.davistownmuseum.org/pics/111001t34.jpg>

090508T10 Leather pliers

DTM MH

Cast steel, 9 1/4" long, signed "4" and "2B MADE IN U.S.A." with a diamond mark between 4 and 2..

63001T10 Leather slitting cutters

DTM MH

Cast steel, brass, and wood, 6" wide, 5 5/8" long pistol grip, signed "Osborne Co Newark NJ Est 1826 Pat Aug 13, 76 Reissued July 7, 1877".

This is a classic example of a factory-made tool from the heyday of the Industrial Revolution. By 1876, Davistown's cobblers were substituting quality factory-made tools for handmade tools. This tool was also used by harness makers to slice leather.

<http://www.davistownmuseum.org/pics/63001t10.jpg>

		Status	Location
102904T20	Leather slitting gauge (draw gauge)	DTM	MH
<p>Steel, iron, brass, and rosewood, 5 7/8" long slitter with a 5" handle, signed "C. S. OSBORNE & CO" "NEWARK" " N.J." and owner's mark "I BOIS" and "36".</p> <p>This is a nicely made cobblers' slitting gauge. C. S. Osborne & Co. started producing leatherworking tools in 1826 and still makes tools today (www.csosborne.com). This leather slitting tool is a generic form and would be found in every cobblers' toolbox. This tool has a rosewood handle and represents the deluxe version of this implement. It is used to cut reins and straps.</p> <p>http://www.davistownmuseum.org/pics/102904t20_p1.jpg</p>			
30311T9	Leather-working tool	DTM	TT
<p>Steel, brass ferrules, and wood handles, 15 1/2" long, working area 6" x 7/8", unsigned.</p> <p>This tool has two handles and is used for burnishing and/or shaping.</p>			
14302T18	Patterns (lot)	DTM	MH
<p>Cast steel, various designs, 4" wide, 5 5/8" wide and 6 1/8" wide, unsigned.</p> <p>They are marked only with size numeration and are used to cut leather patterns for use by a harnessmaker or cobbler.</p>			
22612T2	Pliers	DTM	TT
<p>Drop-forged steel, 9" long, signed "EYELET TOOL CO" on one side of the jaws and "E.T.CO BOSTON" on both sides at the pivot point.</p> <p>This specialized set of pliers is used to cut leather for 1/4" strips. DATM (Nelson 1999, 268) indicates this company worked from 1858 to 1920. However, this tool looks newer, perhaps from the 1940s or 50s. One cutting edge is broken.</p>			
3312T1	Shoe lasting pliers	DTM	TT
<p>Drop-forged steel, 8" long, signed either "PREETH" or "FREETH".</p> <p>This is a typical curved pliers w/ hammer but cast as one piece. The end is slightly damaged (the tack remover is broken off.) DATM (Nelson 1999) lists a foreign toolmaker named Benjamin Freeth as working 1770 - 1824. Courtesy of Liberty Tool Co.</p>			
3312T2	Shoe lasting pliers	DTM	TT
<p>Drop-forged steel, 9" long, signed "UNION PATENTED OCT 25, 1887" "WHITCHER 3".</p> <p>There is a crisscross pattern on the hammer face. Hammer pressed fit into body. Frank Whitcher of Boston, MA patented the lasting pinchers, which were made by Union Shoe Machinery Company of Lynn, MA, 1873 - 1913. His patent may be viewed at: http://www.google.com/patents?id=yDhOAAAAEBAJ&pg=PA2&dq=OCT+25,+1887+whitcher&hl=en&sa=X&ei=_mqpT-2qDYPH6AG0qtGzBA&ved=0CDcQ6AEwAA#v=onepage&q=OCT%2025%2C%201887%20whitcher&f=false. Courtesy of Liberty Tool Co.</p>			
31808SLP25	Shoemakers' hammer	DTM	TT
<p>Drop-forged steel and wood, 8" long, 6 7/8" long handle, 3 1/2" long head, signed "STEEL" "DROP" "FORGED" "CHAMPION" and on the other side of the head "REX".</p> <p>DATM (Nelson 1999) lists a number of companies named "Champion", several "Champion" marks on tools, and three "REX" marks. However, none of them specifically made cobblers' tools or hammers.</p> <p>http://www.davistownmuseum.org/pics/31808slp25-3.jpg http://www.davistownmuseum.org/pics/31808slp25-1.jpg</p>			
Coopers' Tools			
101008T2	Coopers' flagging iron	DTM	MH
<p>Malleable iron, 22 1/4" long, 4 1/2" wide, unsigned.</p>			
31808SLP24	Coopers' hammer	DTM	TT
<p>Steel and wood, 14" long, 12" long handle, 4 3/4" long head, unsigned.</p> <p>http://www.davistownmuseum.org/pics/31808slp24.jpg http://www.davistownmuseum.org/pics/31808slp24-2.jpg</p>			
31212T3	Coopers' hollowing drawknife	DTM	TT
<p>Forged steel, 7" long, 8" wide, 5" wide cutting edge, signed "SNOW & NEALLEY Co. BANGOR-MAINE".</p> <p>This hollowing drawknife is specifically for cooper work. Courtesy of Liberty Tool Co.</p>			
22512T2	Coopers' hoop hammer	DTM	TT
<p>Drop-forged steel, hickory, 14" long, 4 3/4" wide, 1 1/4" diameter face, unsigned.</p>			

040103T2 **Coopers' shave** Status Location
DTM MH

Cast iron with steel blade, 23" long, 2 1/8" blade, signed "Stanley" and "57".
This coopers' shave is a Stanley no. 57, type one, manufactured c. 1870. It signifies the appearance of mass-produced factory made tools. Coopers had been producing their wooden barrels and kegs from time immemorial. This handy coopers' tool appeared just at the twilight of the era of the cooper, whose handiwork was soon superceded by factory-made tin and steel containers.

http://www.davistownmuseum.org/pics/040103t2_p1.jpg

http://www.davistownmuseum.org/pics/040103t2_p4.jpg

31808PC9 **End shave** DTM MH

Steel and wood, 6 1/2" long, 4 3/4" wide blade, signed "J.STORTZ&SON PHILA".
John Stortz and his son's company was in Philadelphia, PA from 1853 to 1972 (DATM 1999).

102503P3 **Keg** DTM MH

Wood with steel bands, 10 1/2" wide, 16" high, signed "__ Libby & Meke__" in paint. Label: "Swift & Company Wholesale dealers in choice dressed beef, mutton, veal, pork provisions & produce Bath Maine".

This is a typical mid- or late 19th century (1860 - 80) meat keg or "pork barrel" for the Maine coastal trade. It is a nice example of what a good cooper could do with red or white oak.

31811T25 **Unidentified tool** DTM TT

Wood with a steel bracket, 22" long, unsigned.

This possible coopers' tool has a tapered wood handle with a steel "L" shaped bracket threaded and secured to the handle with a standard sized nut.

31811T26 **Unidentified tool** DTM TT

Wood with a steel bracket, 21" long, unsigned.

This possible coopers' tool has a tapered wood handle with a steel "L" shaped bracket threaded and secured to the handle with a standard sized nut.

Domestic Utensils

121011T1 **Candy roller** DTM MH

Brass, cast iron, tempered alloy steel, and rosewood, 11 1/2" x 6 3/4" base, 10" crank, 1/2" balls, signed "THE THREE MILLERS CO." "CONFECTIONERS SUPPLIES" and "7".

This is a Thomas Mills Drop Roller, patented 1871, also known as a fruit drop roller. This unusual tool is used for making candies. The crank turns the two cylinders like a wringer. It is missing one of the feed gates. On the gears there will be an arrow or dot to let you line up the two rollers to match exactly. They were machined at the same time, so they only really match at one point. Use this link for a description of how it works. <http://www.akirarabelais.com/v/witchbefooled/candy/make.html> (The Candy Maker's Guide 1896, pg. 11). The Three Millers company is listed in Boston, MA, business directories as early as 1890 and as late as 1914 as a purveyor of flavor extracts and confectioner's supplies. Ernest L. Miller was the owner in 1911. Thank you to Greg at www.LoftyPursuits.com for some of the above information. Go to his website to order candies made with similar machines.

<http://www.davistownmuseum.org/pics/121011t1-web1.jpg>

<http://www.davistownmuseum.org/pics/121011t1-web5.jpg>

32708T50 **Crimping/pinking machine** DTM MH

Metal, 5" long handle, 5" at the widest point, 6 1/4" high, signed "MFD BY" "SOUTH" "RICHLAND" "MACHINE CO" "PULASKI NY" and on the other side "CLEAN CUT".

<http://www.davistownmuseum.org/pics/32708t50-3.jpg>

<http://www.davistownmuseum.org/pics/32708t50-1.jpg>

41801T8 **Meat saw** DTM MH

Cast steel, brass, and wood, 22 1/4" long, blade 16" long, 7/16" wide, signed "EDWARD J. HOLDEN & Co NEW YORK CAST STEEL WARRANTED".

DATM (Nelson 1999) lists this company in New York and Brooklyn in 1870 - 1871. This saw has the distinctive American eagle brass also characteristic of H. Disston saws of the period. It is a very rare maker's mark.

32708T66 **Mouse trap** DTM MH

Wood and metal, 3" wide, 2 3/8" long, 1 1/8" high, signed "SOURICIERE A TROUS" REFLEX" "-RESSORTS ACIEL-" and on bottom "galeries Lafayette" plus a vertical "ABRICATIO" and "FRANCAIS".

This is a guillotine style mouse trap, made in France.

<http://www.davistownmuseum.org/pics/32708t66-1FrenchGuillotineMouseTrap.jpg>

<http://www.davistownmuseum.org/pics/32708t66-2.jpg>

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Domestic Utensils

52403T5 **Razor**

Status Location
DTM MH

Cast steel, 6 1/4" long, 3" blade, signed "T. NOONAN & SONS CO BOSTON MASS MADE IN GERMANY".
This is a late example of excellent quality German steel.

32708T49 **Stapler**

DTM MH

Metal, 7" long, 2 1/2" wide, signed "MADE IN U.S.A." "PATENTED U.S.A. A.2-6-17" "PATENTED G.B. 3.26-15" "EVEREADY MFG. CO" "OF BOSTON" "U.S.A." with another "EVEREADY" in a diamond..

<http://www.davistownmuseum.org/pics/32708t49-1.jpg>

<http://www.davistownmuseum.org/pics/32708t49-3.jpg>

102904T19 **Teapot**

DTM MH

Cast iron, 3" diameter, signed but the mark is obscured.
This is a gorgeous example of the age of malleable cast iron.

http://www.davistownmuseum.org/pics/102904t19_p1.jpg

Files

913108T27 **File**

DTM MH

Probably German steel, 9" long, signed "FL. GROBETAVALLORBE" "MADE IN SWITZERLAND" and a rabbit trademark.
This is a nice example of a Swiss-made file.

31811T16 **File**

DTM TT

Drop-forged and machine cut steel, 6 1/2" long, 3/8" wide, signed "ASHWORTH".
This file is used for the second or fine cut. DATM (Nelson 1999) lists Sager Ashworth & Co. as working in Lowell, MA, 1857-1871.

31811T21 **Four in hand file**

DTM TT

Drop-forged machine cut tempered alloy steel, 10" long, 1" wide, 1/4" thick, signed with an obscured trademark.
This file can be used for a combination of flat and half round coarse and medium cuts.

31212T9 **Lot of files**

DTM TT

Drop-forged tool steel, 8" long, 5/16" wide, signed "00 XF NICHOLSON MADE IN U.S.A.". These round and square files appear to be intended for use in a filing machine. William Nicholson founded Nicholson Files and Rasps in Providence, RI. They made files from 1864 to 1972 (Nelson 1999). Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bionicholson.html>

31212T10 **Round cut metal file**

DTM TT

Drop-forged tool steel, 8" long, 3/8" wide, signed "A.H. SWISS U.S.A. 00".
This tool appears to be for use in a filing machine. Courtesy of Liberty Tool Co.

30911T2 **Square bastard file**

DTM TT

Cast steel, 17" long, unsigned.
The cut of the file refers to how fine its teeth are. They are defined from roughest to smoothest as: rough, middle, bastard, second cut, smooth, and dead smooth.

31212T11 **Triangle cut metal file**

DTM TT

Drop-forged tool steel, 8" long, 3/8" wide, signed "F.I. BROBETA FOLLORBE" "2 MADE IN SWITZERLAND" and a running rabbit logo.
This tool appears to be for use in a filing machine. Courtesy of Liberty Tool Co.

Fishing Implements

22512T8 **Eel spear**

DTM TT

Drop-forged steel, 16" long, 6" wide, signed 'IDEAL'.
This is a very nice example of an eel spear, it has not been damaged through use. A number of different companies used the brand name Ideal, but none are listed as making fishing equipment. Garant Inc. of Montmagny, QU, made various types of tools (Nelson 1999). This tool is donated by Liberty Tool Co.

	Status	Location
112704T1 Flensing knife	DTM	MH

Low carbon steel with wood handle, 9 5/8" long with a 30 1/2" long handle, cutting edge 8 1/2" wide, unsigned.
 This flesh cutting whaling tool is used to strip or flense a whale of its blubber or skin. It appears to be of relatively modern drop-forged construction. It was found in the New Bedford, MA, area along with other fishing gear. It looks like a common garden edger and was probably locally made by one of the many whalecraft (tool) manufacturers working in the New Bedford area in the 19th century.

112004T1 Handline weight	DTM	MH
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Lead with two brass swivels at ends of horse, 7 3/4" long horse with 1 pound lead, signed "H.H. CRIE & CO. ROCKLAND ME.". The handline weight is also called a Dickinson swivel or Georges Bank sinker. It is used on a handline to fish for cod and halibut, especially on Georges Banks in areas with a strong current. H. H. Crie was a purveyor of hardware of all types. This information is courtesy of Larry Davis, Bath, ME.

<http://www.davistownmuseum.org/publications/volume10.html>

102100T24 Mackerel plow	DTM	MH
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Wood and slate, 7 1/2" long, 7 1/4" long, signed "J. A. P. 1864".
 Only the longer one is signed.

Hammers

22601T4 Armourers' doming hammer	DTM	MH
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Cast steel, 7 3/4" long, 1 1/4" and 1 1/2" diameter peens, signed "MOB" with trademark and marked "40" and "5". MOB is the mark of the French toolmakers' cooperative that manufactured those tools. The exact identity of this hammer can be found in Lynch's catalog of tools in the museum reference area.

<http://www.davistownmuseum.org/bioLynch.htm>

041505T9 Ball peen hammer	DTM	MH
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Drop-forged steel with wooden handle, 13" long including the handle, 3 5/8" long head with 1 1/16" diameter face, signed "1312 PASCHALL" "MADE IN USA 90".
 No Paschall is listed as a hammer-maker in DATM (Nelson 1999). Probably this was produced in the early to mid-20th century (c. 1925 - 1940). It is a nice example of a high quality drop-forged steel hammer. It is the center hammer in the photograph.

<http://www.davistownmuseum.org/pics/041505t7.jpg>

22411T25 Ball peen hammer	DTM	TT
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Drop-forged steel with a wooden handle, 10" long, 3 1/2" x 1 1/4" head, signed "AMES MFG" "DROP FORG".
 Ames Mfg. Co. was in Chicopee Falls, MA from 1829-1876.

31311T2 Ball peen hammer head	DTM	TT
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Drop-forged tempered alloy steel, 3" long, 7/8" wide head, signed "D MAYDOLE" "MADE IN USA".
 DATM (Nelson 1999, 520) lists David Maydole & Co. as a hammer manufacturer in Norwich, NY, 1861-1931.

42604T9 Bung hammer	DTM	MH
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Drop-forged iron, 4 3/4" long, 1 1/2" wide head with a 1/8" bung ridge, 10" long wooden handle, signed "C.DREW & CO".

TJG1002 Carriage upholsterers' hammer	DTM	MH
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Drop-forged steel and wood, 7" long handle, 4" long head, 1/2" square face, signed "PATENTED JUNE 76".

TJG1001A Carriage upholsterers' hammer	DTM	MH
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Drop-forged steel and wood, 5 3/4" long with a 3/4" diameter head, 13" handle, signed "R C CLAY 1874".

<http://www.davistownmuseum.org/pics/tjg1001a.jpg>

22311T22 Caulking hammer head	DTM	TT
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Oak body and steel ferrules, 12" long, 1 1/2" wide, signed "C DREW & CO" and "000".
 Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioDrew.htm>

TJD1004 Claw hammer - screwdriver	DTM	MH
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Drop-forged steel, 8 5/8" long, 2 1/2" long claw hammer, 3/4" diameter face, unsigned.
 This unusual hammer is typical of the mass-produced tools now making their appearance.

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Hammers

		Status	Location
32802T3	Cross peen hammer	DTM	MH
Steel, 4 1/4" long, 15/16" wide peen and head, unsigned. http://www.davistownmuseum.org/pics/32802t3.jpg			
041505T4	Cross peen hammer	DTM	MH
Dro- forged steel and wood, 16" long including wooden handle, 1 3/4" beveled face, 4 1/2" long head, signed "DEFIANCE" on head and "DEFIANCE SOLID STEEL HAMMER" on a paper label on the handle, c. 1930. The torn label also reads "Atha Department Stanley Rule & Level, Plant _____, New Britain, Conn. USA". The plant name is obscured. This is a nice example of a modern drop-forged steel hammer. It is the bottom right hammer in the photograph. This hammer is part of the hammer study group. http://www.davistownmuseum.org/pics/041505t4.jpg http://www.davistownmuseum.org/bioStanley.htm			
041505T13	Floor hammer	DTM	MH
Forged steel, 6" long, 1 3/16" octagonal face, unsigned, c. 1875. This is a typical 19th century hammer, probably drop-forged. It was used for floor ripping. It is the hammer on the right side of the photograph. http://www.davistownmuseum.org/pics/041505t7.jpg			
52603T32	Hammer	DTM	MH
9 1/2" long, 5" head, signed "H. K. NIGHT", 1883.			
31602T8	Hammer	DTM	MH
Steel with wooden handle, 11" long with head 4 1/2" long and 5/8" wide, signed with an obscure etched mark: "MOR___S Woburn Mass, Chicago USA" and a logo. This hammer was found together with the hammer 31602T1. A possibility for the mark is: "Morley Bros" a saddlery and harness company in Chicago. http://www.davistownmuseum.org/pics/31602t8.jpg			
22612T13	Hammer	DTM	TT
Drop-forged steel, wood handle, 7" long, 2 3/4" hook, signed "Chaney". The head has a curved claw with a nail starter/holder. This is donated by Liberty Tool Co.			
33002T23	Hammer	DTM	MH
Cast steel (?), 4 1/8" long, 2 5/8" long cross peen, 3/32" and 5/16" wide ends, signed "Simonds 333". It was probably made by George Simonds, Boston, +/- 1889, a hammer- and planemaker. It is similar to a grindstone trimming hammer but is probably for whitesmithing. It is not in the hammer section of Sellens (2002) Dictionary of American Hand Tools. http://www.davistownmuseum.org/pics/33002t23.jpg			
31311T7	Hammer	DTM	TT
Drop-forged tempered alloy steel with wood handle, 12" long, 4 3/4" x 1 1/8" head, unsigned. This type of hammer is used to nail molding.			
93011T11	Hammer	DTM	MH
Drop-forged tempered alloy steel and wood, 11" long, 4" head, unsigned. This hammer is tapered on both ends. It could be used by a cooper, tinsmith, or silversmith.			
31602T1	Hammer	DTM	MH
Steel with a wood handle, 15 1/2" long, 4 11/16" wide, signed "4" meaning four pounds. The hammer head is faceted. The use is unknown. http://www.davistownmuseum.org/pics/31602t1.jpg			
3312T7	Hammer head	DTM	TT
Drop-forged steel, signed "STANLEY". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bio#bioStanley.htm			
22211T6	Hammer head	DTM	TT
Bronze, 3 1/2" long, 1 1/2" x 1", signed "PAT. 42 43". The rest of the mark is not legible. It is cast as a goat's head novelty hammer with a claw. Part of the Robert Sullivan Collection donation.			

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Hammers

		Status	Location
31811T22	Hammer head	DTM	TT
Drop-forged tempered alloy steel, 9" long, 1 1/2" wide, signed "JOHN EA__" "BOSTON MASS". This could be a stone workers' hammer.			
22612T10	Hammer head	DTM	TT
Drop-forged steel, 4 1/2" long, unsigned. This hammer head has a curved claw with a cheney design nail holder/starter. It is donated by Liberty Tool Co.			
31311T4	Hammer head	DTM	TT
Drop-forged tempered alloy steel, 4 1/2" long, 1 1/8" wide, unsigned. This broken head shows the metal's porosity. It may have been used by a metal worker or tinsmith.			
TJG3001	Hammers (5)	DTM	MH
All are drop-forged steel or alloy steel, signed as described below. This is a group of five 20th century hammers. The claw hammer is signed "GARDEN CITY". This hammer is unusual because of the amount of wear shown on the handle as well as on the head - it must have been used by somebody over a period of decades to have this much wear on the handle. The tack hammer has a 5 1/4" long head, unsigned but noteworthy for the label on its handle "JEWFL HARTWELL HICKORY MEMPHIS TENN CHICAGO IL". A second tack hammer, 5 7/16" long head, is signed "1419 PLUMB MFG. USA". A claw hammer is signed "CHRO-MOLY MADE IN USA". The rest of the signature is obscured, 5" long head with a 1 1/8" face. This 20th century hammer typifies variations in tool steel that could be used in a special purpose hammer. This one appears to be steel and molybdenum. A body hammer, 4 1/4" long, 1 3/4" round face, and 1 1/2" square face is signed "Blue Point" and "BF 60C USA".			
31808SLP2	Nail holding hammer	DTM	TT
Steel and wood, 13 3/4" long, 11 1/2" long handle, unsigned. http://www.davistownmuseum.org/pics/31808slp2-1.jpg http://www.davistownmuseum.org/pics/31808slp2-1.jpg			
32708T55	Riveting hammer head	DTM	MH
Metal, 6" long, 1 1/8" wide, unsigned. http://www.davistownmuseum.org/pics/32708t55.jpg			
913108T16	Sledge hammer	DTM	MH
Drop-forged medium carbon steel, wood, 5 1/6" long with a 3 1/2" long handle, 3" wide and 1 1/2" long head, unsigned.			
041505T6	Sledge hammer	DTM	MH
Cast steel and wood, 11 1/2" long including the handle, 5 1/4" long head with two 1 3/16" round faces, signed "ATHA" "CAST STEEL" and "A - 1", c. 1875. This 19th century tool was probably made long before Atha was purchased by the Stanley Tool & Level Co. in 1913. The mark "CAST STEEL", the early look and the numbers suggests the early years of Benjamin Atha's toolmaking activities in Newark, NJ, when the cast steel mark was still the advertising choice of quality toolmakers. It is in the center of the photograph, under the other hammers. This hammer is part of the hammer study group. http://www.davistownmuseum.org/pics/041505t5.jpg			
041505T5	Sledge hammer	DTM	MH
Drop-forged steel and wood, 10" long including the handle, 4 1/4" long head with 1 1/8" diameter beveled round face on both ends, signed "CRAFTSMAN" "38311-4803-M" "MADE IN USA" "WEAR SAFETY GOGGLES". This is an example of a late 20th century drop-forged steel hammer. It is the bottom hammer in the photograph. This hammer is part of the hammer study group. http://www.davistownmuseum.org/pics/041505t5.jpg			
Ice Tools			
52907T1	Ice ax	DTM	MH
Iron and weld steel, 13 1/4" long, 1 3/4" wide cutting edge, signed WM T. WOOD & CO.. DATM (Nelson 1999) lists William T. Wood & Co. in Arlington, MA, from 1845 - 1905. The text "Town of Arlington, Past and Present" by Charles Symme Parker notes that William T. Wood came there about 1841 and started working with Abner Wyman making and repairing ice tools. He purchased the business in 1845 and ran it by himself until partnering with his brother Cyrus in 1858. He died in 1871. His son, William E. Wood took over retaining the name of William T. Wood & Co. In 1905 the company was consolidated with Gifford Brothers of Hudson, NY as Gifford-Wood Co. http://www.davistownmuseum.org/bioWood.html			

		Status	Location
82308T1	Ice ax	DTM	MH

Drop-forged malleable iron and steel, 13 1/2" long, 1 5/8" wide, signed "WM.T.WOOD".
 Liberty Tool Co. has recovered numerous ice axes with this marking. DATM (Nelson 1999) lists William T. Wood & Co. in
 Arlington, MA, from 1845 - 1905.

<http://www.davistownmuseum.org/bioWood.html>

91303T11	Ice ax	DTM	MH
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Cast steel with a wooden handle, 11 1/2" long, 2 1/4" wide blade, signed "Wm. T. Wood & Co".
 This is a typical ice ax with an atypical short handle. The Harvard Business School Baker Library has a catalog from this company
 circa 1895: Wm. T. Wood & Co. Manufacturers of ice tools, Arlington, Mass. DATM (Nelson 1999) lists the working dates of this
 company as 1845 - 1905. William bought the company from an uncle, Abner Wyman. In 1905, the company merged with the
 Gifford Brothers to become the Gifford-Wood Co. While the factory was located in Arlington, the offices were in Boston.

<http://www.davistownmuseum.org/pics/91303t11.jpg>

61204T5	Ice hook	DTM	MH
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Forged iron with wood handle, 17 1/2" long, 7" wide handle, unsigned.
 This ice hook came from the Hardscrabble Ice House, Rt. 97, East Boothbay, Maine, which was active in the late 19th century.

<http://www.davistownmuseum.org/pics/61204T5.jpg>

12103T1	Ice saw	DTM	MH
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Forged wrought iron, 48" long, 6" wide, with 16" long and 2" wide wooden handle, unsigned.

Knives

30911T5	Carriagemakers' body knife	DTM	TT
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Cast steel (?), brass ferrules, and wood handles, 17" long, 5 1/2" long handles, 2 1/2" x 1" cutter, signed "J. R. WESTON" twice
 on one side and "G. ELLISON" twice on the adjacent side.
 Both signatures may be owners' marks.

33002T22	Knife	DTM	MH
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Forged steel, wood, and brass ferrule, 8 7/8" long including 4 5/8" handle, signed with Japanese lettering.
 Not all tools found in New England tool kits are English or American. The blade shows evidence of grinding.

<http://www.davistownmuseum.org/pics/33002t22.jpg>

22612T11	Knife	DTM	TT
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Drop-forged steel, wood handle, 4 3/4" long blade, 4" handle, signed "CHARLES M&H Co FRANCE NEW.YORK" with double
 quotes around "CHARLES".
 Probably this was used as a fillet knife. It is donated by Liberty Tool Co.

31811T15	Knife	DTM	TT
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Tempered alloy steel with a wood handle, 4 3/8" long, 2 1/8" long and 5/8" wide and 1/16" thick blade, signed "BARTLETT &
 BUT___" "HARVARD WOR___" and "SHEFIELD".
 The manufacturer's mark is partially hidden under the handle. This knife might be used for shucking clams.

31311T5	Knife	DTM	TT
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Steel, iron ferrule, and wood handle, 11" long, 6" long x 1 1/8" wide blade, signed "L. D. LOTHROP" "GLOUCESTER" "MASS".
 This company is listed as a manufacturer of fishing apparatus and tools, such as knives, used to make tackle, in "Participation of
 the United States in the International Fisheries Exhibition, held at Bergen, Norway, 1898" by Joseph Collins.

31611T2	Knife	DTM	TT
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Tempered alloy steel, brass ferrule, and wood handle, 9" long, 4 3/4" long by 1/2" wide blade, signed "W. WEBSTER".
 W. Webster is listed in DATM (Nelson 1999) as working in Brockton, MA in 1872.

31311T11	Machete	DTM	TT
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Drop-forged German steel, 16 3/4" long, 3" long blade with 5" hook, signed "RUBINO" "NETRO".
 The machete is made with one casting and the hook is protruding from the handle. Rubino Netro is Italian.

090508T5 **Putty knife** Status Location
DTM MH

Metal with a wood handle, signed "HENRY SEARS & SON" "1865" and "WARRANTED". There are star marks to either side of the date..

DATM (Nelson 1999) indicates they made cutlery and buttonhole scissors but has no location for them. Uniclectica lists this company in Chicago, Illinois c. 1883 - 1897 (<http://www.uniclectica.com/misc/manuf.html>).

090508T7 **Putty knife** DTM MH

Metal blade, brass ferrule, and wooden handle, 6" long, 3 3/4" blade, 1" wide, signed "J. TYZACK & SON" and "SHEFFIELD" with a trademark on the other side.

Uniclectica lists this company as Joseph Tyzak & Son located at Heely (near Sheffield) c. 1842 to at least 1919 (<http://www.uniclectica.com/misc/manuf.html>).

52603T39 **Scutcheon knife** DTM MH

17" long, unsigned.

121805T29 **Utility knife** DTM MH

Steel (cast?), 6 3/4" long including a 3 1/2" wooden handle, signed "Russell Green River Works", c. 1870.

One of the finest tool factories, John Russell's Green River Works in Greenfield, MA, produced a wide variety of skinning and hunting knives by modern drop-forging techniques after 1837.

Logging Tools

4106T9 **Cant dog peavey** DTM MH

Steel and wood, 44" long, 14" shaft point, 9 1/2" curved cant dog, 30" long handle, signed "The Peavey Mfg. Co. Oakland ME" and "2 3/8 Peavey NO. 228".

This peavey is made with drop-forged low carbon steel. The 2 3/8 in the mark refers to the inside diameter that holds the handle. Joseph Peavey of Stillwater, Maine, invented the cant dog peavey c. 1860. This late 19th or early 20th century example of a classic Maine tool was made before the company moved to Brewer in 1928.

<http://www.davistownmuseum.org/publications/volume10.html>

112704T6 **Chain saw** DTM MH

Drop-forged steel and wood, 44 " long, 9 1/2" long handle, signed "DISSTON USA".

This is a portable saw that was used by the military and others in isolated locations where it was not practical to carry stiff one or two man saws. It predates the portable chain saw.

<http://www.davistownmuseum.org/bioDisston.htm>

22211T14 **Folding caliper rule** DTM TT

Boxwood and brass, 24" long (extended), 12" long (folded), 3/4" wide, 1/8" thick, signed "STANLEY RULE" "& LEVEL CO." "No 6". This is a Stanley No. 6 rule. It has a two fold scale, each leg is 12". There is a brass caliper on one leg and a board foot scale on the other leg. Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioStanley.html>

121111T1 **Folding hand chainsaw** DTM MH

Steel, brass, wood, and leather pouch, 48" long, signed "FRANCIS" "WOOD & SONS" "SHEFFIELD" "1917".

This is a World War I era British combat engineer's saw.

<http://www.davistownmuseum.org/pics/121111t1web1.jpg>

<http://www.davistownmuseum.org/pics/121111t1web3.jpg>

22211T13 **Folding rule (board scale)** DTM TT

Boxwood and brass, 24" long (extended), 6" long (folded), 5/8" wide, 1/8" thick, signed "STANLEY RULE" "& LEVEL CO." "NEW BRITAIN, CONN." and on opposite side "No 81".

This is a Stanley No. 81 rule. The scale on one side is in inches and on the other it is in board feet for measuring logs. Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioStanley.html>

22211T15 **Folding rule (board scale)** DTM TT

Boxwood and brass, 24" long (extended), 6" long (folded), 5/8" wide, 1/8" thick, signed "No 82".

This is a Stanley No. 82 rule. The scale on one side is in inches and on the other it is in board feet for measuring logs. Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioStanley.html>

		Status	Location
33112T2	Hewing ax	DTM	TT
<p>Cast steel, wood handle, 7 1/4" long, 1/2" wide, signed "J. R. Deering" "Libby and Bolton" and "Warranted cast steel". Deering is a Saco Maine toolmaker (1849- 1881). He probably made this ax for Libby and Bolton who were also Maine toolmakers in Portland, Maine. http://www.davistownmuseum.org/publications/volume10.html</p>			
51102T1	Log caliper	DTM	MH
<p>Boxwood and brass, size unknown, signed "Valentine Fabian". DATM (Nelson 1999) states Fabian made rules, including log rules, in Milo Junction, Maine, starting in 1897. Donated to the Museum by Phil Platt. http://www.davistownmuseum.org/publications/volume10.html</p>			
61204T1	Peavey	DTM	MH
<p>Drop-forged iron and wood, 40" long including a 26 1/4" long wooden handle, 13 3/4" wide, signed "2 1/2 E. MANSFIELD & Co" "SNOW & NEALLEY CO" "BANGOR MAINE". http://www.davistownmuseum.org/pics/61204T1_p1.jpg http://www.davistownmuseum.org/publications/volume10.html</p>			
93011T5	Pickaroon	DTM	TT
<p>Drop-forged iron and steel, wood handle, 15" long, 5" wide head, signed "SNOW & NEALLEY CO" "BANGOR". It is used for logging by the lumber and pulp industry. http://www.davistownmuseum.org/publications/volume10.html</p>			
93011T6	Pickaroon	DTM	TT
<p>Drop-forged iron or low-carbon steel, 10" long, 6" wide head, unsigned. A pickaroon is used for logging by the lumber and pulp industry.</p>			
4106T11	Pickaroon	DTM	MH
<p>Steel and wood, 7 3/8" long, 27 1/4" handle, signed "SNOW & NEALLEY Co. BANGOR MAINE OUR BEST" in white letters on the handle. This is a typical drop-forged example of a Snow & Nealley pickaroon, essential for moving small logs and branches during lumber harvesting. http://www.davistownmuseum.org/publications/volume10.html</p>			
31908T39	Pulp hook	DTM	MH
<p>Steel and wood, 10" long, signed "SNOW & NEALLEY CO" and "BANGOR - MAINE". http://www.davistownmuseum.org/pics/31908t39p3.jpg http://www.davistownmuseum.org/publications/volume10.html</p>			
12801T17	Saw set	DTM	MH
<p>Drop-forged iron, 8" long with 7 set sizes, signed "HOE & CO". DATM (Nelson 1999) lists R. Hoe & Co.'s working dates as 1828 - 1969 in New York and Boston. It did not list this exact mark. Hoe was a major manufacturer of saws, saw tools, and later, printing presses. This set is probably late 19th century. http://www.davistownmuseum.org/pics/12801t17.jpg</p>			
32802T13	Saw set	DTM	MH
<p>Iron and steel, 8" long, signed "Morrell's PAT. Dec 14 88". This is one of a wide variety of Morrell designs for saw sets. DATM (Nelson 1999) lists two patents, Feb. 24 and Dec. 14, 1880. This may not be the only unrecorded saw set patent. This design is rare; the 1880 patent designs were widely produced. Charles Morrell worked in New York city; DATM gives 1851 - 1920 as the working dates of the company with his name. Saw sets of this size are often associated with setting the teeth on two-man logging saws.</p>			
041505T39	Timber-framing chisel	DTM	MH
<p>Cast steel (weld), 12" long, 1 1/2" wide, signed "PAGE, WHITMAN & CO" " W. FITCHBURG" "CAST-STEEL" and " WARRANTED". DATM (Nelson 1999, 596) gives the date 1864 for this Massachusetts company, which made chisels. It is an excellent example of welded cast steel with a clear steel-iron transition zone. http://www.davistownmuseum.org/pics/041505t39_p1.jpg http://www.davistownmuseum.org/pics/041505t39_p2.jpg</p>			

Measuring Tools

	Status	Location
<p>22211T20 Carpenters' rule</p> <p>Boxwood and brass, 8" long, 2 1/4" wide, 1/2" thick, extends to 6 feet, signed "EDISON PORTLAND CEMENT CO. NEW YORK - BOSTON - PHILA" "PAT'D 12.13.1910" "PAT'D 7.29.1913". Other marks include: "EDISON SIGNATURE", "A PRODUCT OF THE EDISON LABORATORIES", "N.Y. APPRD.", "X-4", and a pointing finger touchmark. This rule slides open, it does not fold. Part of the Robert Sullivan Collection donation.</p>	DTM	TT
<p>22211T21 Carpenters' rule</p> <p>Tempered alloy steel, 6" long, 3/4" wide, 3/32" thick, extends to 6 feet, signed "THE L S STARRETT CO. ATHOL, MASS USA" "PAT. MAR. 14. 1911" "NO. 451" and "TEMPERED". Part of the Robert Sullivan Collection donation. http://www.davistownmuseum.org/bioStarrett.html</p>	DTM	TT
<p>31602T3 Cyclometer</p> <p>Brass, bronze, and steel, 4 1/4" high, 2" diameter face, signed "Boys & Ruckers signal cyclometer. Patent.".</p>	DTM	MH
<p>040103T15 Drill gauge</p> <p>Steel, 7 1/2" long, signed "W & M Mfg Co. Worcester Mass". W & M Mfg. Co. is not listed in DATM (Nelson 1999). This tool has graduations from 0 to 20 -- about a 1/4" at 0 to 1/64" at 20. Is it a wire gauge? http://www.davistownmuseum.org/pics/040103t15_p1.jpg</p>	DTM	MH
<p>913108T11 Level</p> <p>Brass and wood, 6 3/4" long, signed "J W HARMON" "BOSTON" "MASS" "HAVERILL". Leon Robbins of Bath, Maine, made this level out of an old one originally made by John W. Harmon of Boston, MA, whose working dates were 1860 - 1907. http://www.davistownmuseum.org/bioLeon.html</p>	DTM	MH
<p>52408T6 Level</p> <p>Wood, brass, and glass, 5.5" x 1.25" x 1.5", signed "Stanley Rule & Level Co.". http://www.davistownmuseum.org/bioStanley.htm</p>	DTM	MH
<p>22311T9 Marking and mortise gauge</p> <p>Rosewood and brass, 7 1/2" long, 2" x 2" body with a brass adjustment mechanism, unsigned. Part of the Robert Sullivan Collection donation.</p>	DTM	TT
<p>30311T5 Plumb bob</p> <p>Steel and brass, 4" long, 1 1/2" wide blade, unsigned. This is a reworked munition from WWI or WWII.</p>	DTM	TT
<p>32708T60 Plumb bob</p> <p>Brass, 5 1/2" long, 4 1/2" diameter at top, signed "SUVERKROP INSTRUMENTS" BAKERSFIELD, CALIF U.S.A." "MICRO" "PATS PEND" and "12". http://www.davistownmuseum.org/pics/32708t60-2.jpg http://www.davistownmuseum.org/pics/32708t60-1.jpg</p>	DTM	MH
<p>22211T8 Printers' ruler</p> <p>Brass, 8 5/8" long, 3/4" wide, signed "6 & 12 PT INCHES" and an owner's mark "H" on the bottom of the back side. Part of the Robert Sullivan Collection donation.</p>	DTM	TT
<p>61204T13 Speed indicator</p> <p>Cast bronze, iron, and steel, 3 3/8" long with a 1 1/4" diameter dial, signed "B. GALLAGHER MFGR" "LYNN MASS". DATM (Nelson 1999) lists Gallagher as working in Lynn, MA, around 1888. http://www.davistownmuseum.org/pics/61204T13.jpg</p>	DTM	MH
<p>31808SLP14 Square</p> <p>Steel, 7 3/8" long rule, 4 3/4" long handle, signed "STANLEY" on the handle and "HMC0" on the rule. http://www.davistownmuseum.org/pics/31808slp14-2.jpg http://www.davistownmuseum.org/bioStanley.htm</p>	DTM	TT

		Status	Location
11301T2	Surveyors' transect	LPC	MH

Brass and alloy steel in a wood case with leather straps, 14" high, 12" telescope arm, 5" diameter compass dial, signed "Buff & Buff MFG Co 29870 Boston PAT 1674317".

The case has a metal "Buff" label and a paper label on the case door with a photograph of the original Buff & Buff factory on Green St, Jamaica Plain. When it closed in the 1980's, Liberty Tool Co. cleaned out some of the contents of the Buff & Buff factory. One of a number of colored lithographs salvaged at this time is on display with this tool.

<http://www.davistownmuseum.org/pics/11301t2.jpg>

<http://www.davistownmuseum.org/bioBuff.html>

041505T30	Tap (wire) drill index	DTM	MH
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Steel, 5 1/4" long, 1 5/8" wide, signed "T. F. WELCH BOSTON".

Tools by this small, c. 1900, Boston-maker of jewelers' bench drills are very uncommon.

<http://www.davistownmuseum.org/pics/041505t30.jpg>

102503T5	Tape measure	DTM	MH
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Steel, 2 3/4" long, 2 3/4" wide, signed "TRADE MARK" "THE "ONE-MAN" TAPE" "821" "25 FT" and "CROGAN MFG. CO. BANGOR, MAINE U.S.A.".

It also is marked on the back "Pat. April 6, 1915 Pat. July 10, 1917 Pat. Feb. 20, 1917 PAT. PEND."

http://www.davistownmuseum.org/pics/102503T5_p3.jpg

<http://www.davistownmuseum.org/publications/volume10.html>

5100T9	Tape measure (50 feet)	DTM	MH
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Pressed steel (?), 3 3/16" diameter, signed "Trade Mark THE 'ONE-MAN' TAPE" and "Crogan MFG, Co. Bangor, Maine USA" and "PAT. APRIL 6 1915 PAT. FEB. 20 1917 PAT. JULY 10 1917, PAT. PEND.".

DATM (Nelson 1999, 199) lists this company as making rules with no dates. Anyone with more information about the history of the Crogan Mfg. Co. in Bangor, please contact the Museum.

<http://www.davistownmuseum.org/publications/volume10.html>

22601T3	Trammels	DTM	MH
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Steel, 4" beam, with a 3 1/2" high trammel, signed "L S Starrett Co. Athol Mass USA".

DATM (Nelson 1999, 751) contains historical information on L. S. Starrett Co.

<http://www.davistownmuseum.org/bioStarrett.htm>

090508T4	Wire gauge	DTM	MH
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Steel, 5 1/8" long, signed "MAY & Co" "BOSTON" "WARRANTED" and "HARD".

DATM (Nelson 1999, 520) indicates that S. May & Co. made leather tools, such as curriers' knives and scrapers.

121805T28	Wire gauge	DTM	MH
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Steel, 4 1/2" long, signed "No. 1 DISSTON STANDARD PHILA.U.S.A." and then with sizes 1 - 26.

This is a rare Disston gauge for "measuring sheet stock used in making saws. I believe this gage goes back to the time when there were no national standards for sheet, requiring individual companies to establish their own standards." (Ray Larsen).

http://www.davistownmuseum.org/pics/121805t28_p2.jpg

<http://www.davistownmuseum.org/bio#bioDisston.htm>

Miscellaneous Forged Hardware

22612T12	Gate hook	DTM	TT
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Drop-forged malleable iron, 7" long, 2 3/4" hook, unsigned.

This tool is donated by Liberty Tool Co.

22612T8	Railroad spike	DTM	TT
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Drop-forged steel, brass, 6 1/4" long, unsigned.

It has a hole drilled into the pointed end and a 1/4" brass insert; perhaps it was used as an ornament? It is donated by Liberty Tool Co.

Miscellaneous Items

31811T12	Gun barrel	DTM	TT
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Forged iron and steel, 9" long, signed "85279" (serial #) and "44 CAL. - BARREL AND LUG FORGED IN ONE.".

The barrel has been cut to shorten it.

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Miscellaneous Items

		Status	Location
93011T2	Iron pyrite	DTM	TT
<p>Stone, small, unsigned. A note indicates this sample was gathered at Sutter Creek.</p>			
3405M1	Lithograph stone	DTM	MH
<p>Limestone, 5" long, 6" wide, 3 1/2" high, signed "Rogers Wade Furniture Co. Paris Texas", c. 1915. The stone is also marked with an engraving of a five story building, other structures, automobiles, and "J W Wade President W C Clark Vice President Secretary T B Revell 2nd Vice President". There are three trademarks; two with Texas maps. This is an interesting example of a lithograph stone used for printing - in this case, for business-related materials. A steel plate engraving appears to have been transferred onto this stone. More information and comments on this item are solicited.</p>			
110611T3	Straight razor	DTM	TT
<p>German cast steel, 8.5" long handle, 3" long razor blade, signed "T. NOONAN & SONS CO BOSTON MASS". The trademark on the leather case reads "Black Demon". Pale yellow early plastic?</p>			
22411T9	Ticket punch	DTM	TT
<p>Nickel-plated drop-forged alloy steel, 4" long, 2 1/2" wide, signed "R. Woodman" "mf'r" "Boston, Mass." DATM (1999) indicates that R. Woodman made machinists' tools from 1878 to 1900.</p>			
93011T1	Troutman's cough syrup	DTM	TT
<p>Brown bottle in a cardboard carton, 6" high, 2 1/4" x 2 1/4", signed "G. E. LABORATORIES SHAMOKIN, PA." "ROY J. TROUTMAN, PROP.".</p>			
TJR3500	Wine bottle	DTM	MH
<p>Glass, 23 1/2" high, signed on the lable "C. H. Mumm & Co. Reims", 20th century. It is a full Condon Rouge wine bottle. It is the curator's favorite wine bottle from his college days; it has nothing to do with the Archaeology of Tools.</p>			

Miscellaneous Tools

51012LTC4	Bench cutter	DA	TT
<p>Drop-forged steel, 18 1/4" long, signed "HKP" "Porter's "New Easy." Size No. 0. FOR 5-16 INCH BOLTS. RIGHT. LEFT. LEFT CLIPPER CUT JAW 5/16 SOFT STEEL" "RIGHT CLIPPER CUT JAW 5/16". Markings continued: "SOFT STEEL. BOSTON. U.S.A. PAT. OCT. 18. 92. OIL THE JOINTS AND CUTTING EDGES. TRADEMARK." John W. Geddes of Watertown, MA, invented this bench cutter and assigned it to H. K. Porter, Inc. of Everett, MA. This patent may be viewed at: http://www.google.com/patents?id=sPIFAAAEBAJ&printsec=frontcover&dq=2,086,863&hl=en&sa=X&ei=a6OyT6dtkfCyBuShzJUE&ved=0CDcQ6AEwAA. Courtesy of Liberty Tool Co.</p>			
22411T1	Box scraper	DTM	TT
<p>Drop-forged malleable iron, steel blade, wooden handle, 14" long, 4" wide, signed "C DREW & CO" and "CAST STEEL". http://www.davistownmuseum.org/bioDrew.htm</p>			
14302T19	Box scraper	DTM	MH
<p>Cast steel, wood, and brass ferrule, 12 1/2" long, 8 1/2" long handle, 1 9/16" wide cutting blade, signed "Patd July 26 1870" on ferrule. It is used for removing paper labels on fruit, etc., boxes.</p>			
111001T18	Brick chisel	DTM	MH
<p>Cast steel, 8" long, 1 3/4" x 3/16" wide chiseling face, signed "C. Drew & Co". This provides a reminder that Christopher Drew made more than calking irons, shingle rips, and cat's paws. http://www.davistownmuseum.org/bioDrew.htm</p>			
81200M	Buffalo belt	DTM	MHC-L
<p>Buffalo hide, 12' long, 3" wide, unsigned, c. 1880. This belt was used for belt drawn water- or steam-powered machinery. Use of strong buffalo hide instead of cow hide for belt driven equipment quickly led to the near extinction of the buffalo. Interestingly, Louis C. Hunter in his monumental (1985) "A history of industrial power in the United States, 1780-1930. Volume two: Steam power" makes no mention of the use of buffalo belting in the industrialization of manufacturing in the 19th century.</p>			

	Status	Location
<p>101701T9 Bullet mold</p> <p>Drop-forged iron, signed with an obscured maker's mark. This is another specimen for a classroom whatsit. It has an 1874 patent date.</p>	DTM	MH
<p>102100T28 Burins (5)</p> <p>Steel, brass, and wood, various lengths from 2 3/4" to 4" long, unsigned. These are generic tools for copper plate engraving. Please visit the print collection for several examples of prints made with these tools.</p> <p style="text-align: center;">http://www.davistownmuseum.org/pics/102100t28.jpg</p>	DTM	MH
<p>31811T20 Cat's paw</p> <p>Drop-forged tempered alloy steel, 11 1/4" long, 1 1/8" head, signed "DREW CATSPAW - 277B".</p> <p style="text-align: center;">http://www.davistownmuseum.org/bioDrew.htm</p>	DTM	TT
<p>33002T7A Cat's paw</p> <p>Malleable forged steel, 10 1/2" long, signed "C. Drew & Co.".</p>	DTM	TT
<p>12801T16 Cat's paw</p> <p>Drop-forged steel, 11 1/8" long, signed "C. Drew CAT'S PAW - 277". This is a (later) 20th century production.</p> <p style="text-align: center;">http://www.davistownmuseum.org/pics/12801t16.jpg http://www.davistownmuseum.org/bioDrew.htm</p>	DTM	MH
<p>111001T24 C-clamp</p> <p>Drop-forged steel, 8 1/4" long, 3 1/4" throat, signed "P. S. & W. Co. Southington, CONN USA PAT. June 5. July 10, 88" on the verso "STEEL No 3 SCREW". P S & W is the abbreviation for Peck, Stow & Wilcox (1870 - 1950). For an extensive description of this important New England tool manufacturer see DATM (Nelson 1999, 610).</p> <p style="text-align: center;">http://www.davistownmuseum.org/bioPeck.html</p>	DTM	MH
<p>33002T11 C-clamp</p> <p>Semi steel, 3 11/16" long, 2 5/16" throat, signed "Semi steel Made in USA", c. 1920. This is another variation in steel terminology on a commonplace generic hand tool.</p>	DTM	TT
<p>101701T6 C-clamp</p> <p>Cast iron (?), 7" long, 3 1/4" throat, signed "Woodruff 3 Eagle". Many Woodruffs are listed in DATM (Nelson 1999) but none as clamp-makers.</p>	DTM	MH
<p>33002T10 C-clamp</p> <p>Malleable iron, 3 3/8" long, 2 1/4" throat, signed "Malleable Iron Unbreakable Made in USA", c. 1950. This is a generic 20th century tool common to every workshop. The malleable iron in this tool is also called low-carbon steel; the production of malleable iron originates with the puddling process and became a common commodity with specific tool type applications once the Bessemer steel production process allowed controlled mass production of large quantities of durable ductile malleable iron (low-carbon steel).</p>	DTM	MH
<p>31611T9 C-clamp</p> <p>Drop-forged alloy steel, 8" long, 3 1/2" wide, 4" capacity, signed "14".</p>	DTM	TT
<p>TJD1005 C-clamp</p> <p>Drop-forged iron, 6" long, 3" throat, signed "MARK CHICAGO 2 1/2". It is characteristic of the mass-produced C-clamps of the late 19th century.</p>	DTM	MH
<p>111001T23 Crimping tool</p> <p>Wood and steel, 8 3/4" long, 5 1/8" wood handle, 2 5/8" diameter crimping wheel, signed "Made in USA by Hoggson & Pettis New Haven Conn USA". Hoggson & Pettis Mfg. Co. are listed in DATM (Nelson 1999, 390) as working from 1890 - 1905. The crimping wheel is smooth with an angled back, no serrations. Would it be used in the leather working trade? This is another whatsit.</p>	DTM	MH
<p>72002T7 Drift</p> <p>Steel, signed "Scully drift PAT. PEND. No 3 25103". This is an unusual looking 20th century tool.</p>	DTM	MH-K

		Status	Location
81200T6	Glass cutter	DTM	MHC-J
Cast iron and steel, 13" long, unsigned, late 19th century.			
TBL5009	Jig	DTM	MH
Forged iron and wood, 9 1/2" long, 4" wide, unsigned. This unusual tool appears to have been recently made (c. 1900 - 1920) out of much earlier components, all of which are hand-forged iron. The nails in the wood as well as the saw marks are contemporary - that is to say early 20th century. We have no idea what this jig would have been used for, what do you think?			
10811T1	Knife grinder for reapers	DTM	MH
Cast iron, 28" long, 11 1/2" diameter gear, signed "AYERS PAT JUNE 3 1868". Frequently mistaken for a hand drill, this high speed tool was used as a grinding sharpener for reapers, mowers, and other edged machinery. This particular example has a threaded mount for stones. The patent was granted to Daniel W. Ayres, of Sheldon, Iroquois county, Illinois, on June 23, 1868 for grinding reaper knives. http://www.davistownmuseum.org/pics/10811t1web1.jpg http://www.davistownmuseum.org/pics/10811t1web2.jpg			
22411T22	Lasting pinchers	DTM	TT-D30
Drop-forged alloy steel, 9" long, signed "A" "PATENTED" "OCT. 25. 1887" "WHITCHER" "UNION MADE 20" and "KNELL" owner mark on one handle. Patent 372,246 was issued to Frank W. Whitcher of Boston, MA.			
51606T9	Linemans' pliers	DTM	MH
Drop-forged steel, 7 1/4" long, signed "Drop forged steel Witherby No 1517". These early 20th century pliers show some evidence of handwork both in the ground surfaces on the handles and in the double lines separated smoothly from serrated handle surfaces. Soon all such tools would be completely machine-made without any sign of handwork, even handwork with electric grinding tools. http://www.davistownmuseum.org/bio#bioWitherby.html			
31611T8	Linemans' pliers	DTM	TT
German steel, 8" long, 1 1/2" head, signed "FRANCE".			
TJR3002	Needle nose pliers	DTM	MH
Cast iron, 3" long, signed "WINCHESTER TRADE MARK". It is one of the tools produced in Connecticut by the Winchester Arms Co. http://www.davistownmuseum.org/bioWinchester.html			
TDJ1009	Oiler	DTM	MH
Sheet metal, 5 3/8" high with a 6" spout, signed "T. Stenau & Co. Pat May 12, 96". It looks older than it is.			
30202T9	Pattern	DTM	MH
Cast steel, 5" long base, 1 1/2" wide at top, 2 3/4" wide at bottom, 5/8" high, signed "5". The pattern is superimposed on the base. It appears to be a one-piece steel casting of unknown use.			
TJR2201	Pliers	DTM	MH
Drop-forged iron, 5 1/4" long, signed "L.A. SAYRE, NEWARK, NJ". DATM (Nelson 1999) lists this company as working from 1884 - 1916.			
83102T9A	Pliers	DTM	MH
Drop-forged steel, 8" long, signed "PAZZANO PAT RE19027 MADE IN USA". These curved special purpose pliers were made in the early 20th century. Pazzano Wrench Company was located in Waltham, MA. Frederick F. Pazzano received this patent December 19, 1933. http://www.google.com/patents/about?id=H_0nAAAAEBAJ&dq=pazzano . Also see http://www.datamp.org/displayPatent.php?id=34068 .			
31011T6	Pliers	DTM	TT
Cast steel, 8" long, signed "HUBER PHIL" "C STEEL". The nose is made to grip round materials. DATM (Nelson 1999, 406) lists Huber H. F. & A. in Philadelphia as manufacturers of leather-making tools in 1836 and Henry Huber of Philadelphia in 1870-1871.			

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Miscellaneous Tools

	Status	Location
<p>22411T10 Pliers</p> <p>Drop-forged German steel, 6" long, 2" wide, signed "HUGONIOT-TISSOT" "FRANCE" and "A. F. & Co". These are electrician or linemans' pliers.</p>	DTM	TT
<p>52603T10 Pliers</p> <p>Drop-forged iron, 9 1/4" long, signed "HUBER" "TOO-WOP". These pliers are used for gas pipe fitting.</p>	DTM	MH
<p>101701T13 Pliers</p> <p>Drop-forged steel, 8 3/8" long, signed "Wm Hjorth Jamestown NY. Pat Sept 8 1903". See DATM (Nelson 1999, 386) for more information. It is interesting for its unusual shape -- a tool as a sculpture object.</p>	DTM	MH
<p>22311T13 Pliers</p> <p>Drop-forged German steel, 7" long, signed "NIKE" "ESKILSTUNA" "MADE IN" "SWEDEN". This is a special purpose plier with a fixed throat opening and an adjustable stop at the throat's end. Part of the Robert Sullivan Collection donation.</p>	DTM	TT
<p>31611T7 Pliers</p> <p>Drop-forged German steel, 7" long, 1" nippers, signed "GARANTIE". This is a pinch plier with a nail remover. Garantie is the German word for warranty.</p>	DTM	TT
<p>41302T14 Pliers</p> <p>Cast iron and steel, 5 1/2" long, 1 1/8" long and 1/8" wide adjustable steel jaws, unsigned. This is an unusual design for a special purpose hand tool. Its use is unknown.</p>	DTM	MH
<p>TK1002 Pressed brick machine (U. S. patent model)</p> <p>Bronze, cast steel, and wood, 11" by 5 1/2" with a 7" diameter wheel keegs that extends 1 1/2" over the frame, unsigned. The patent was received by Zephirin Vaurier Nov. 6, 1878. It appears that this brick-making machine was never produced, but it is significant, nonetheless, as illustrating machines and machinery that supplant and then replace the more primitive wooden brickmakers' smoothing wheel on display across the street in the Liberty Tool Co.'s second floor Museum annex. Most U. S. patent models were lost in the great Smithsonian conflagration of ____.</p> <p>http://www.davistownmuseum.org/pics/tk1002.jpg http://www.davistownmuseum.org/pics/tk1002_p2.jpg</p>	LPC	MH
<p>42801T18 Pry bar</p> <p>Drop-forged steel, signed with the distinctive Atha and horseshoe trademark enclosing the letter A..</p> <p>http://www.davistownmuseum.org/bioStanley.htm</p>	DTM	MH
<p>31908T42 Pry bar</p> <p>Steel, 8 1/2" long, unsigned. This is a very small pry bar.</p> <p>http://www.davistownmuseum.org/pics/31908t42p1.jpg http://www.davistownmuseum.org/pics/31908t42p2.jpg</p>	DTM	MH
<p>33002T13 Pry bar</p> <p>Malleable steel, 11 1/4" long, 1/2" wide pry, unsigned. The second pry is offset. This tool is for automotive use, possibly brake related.</p> <p>http://www.davistownmuseum.org/pics/33002t13.jpg</p>	DTM	MH
<p>TGB2204A Pulley (2)</p> <p>Cast iron, cast steel, and wood, pulleys 3 3/4" long, 2" wide with 7/8" by 1 1/2" roller, other item 4 3/4" high, 2" diameter base, signed "31046" and "310 :..". on the two pulleys.</p>	DTM	MH
<p>63001T5 Ratchet screwdriver</p> <p>Cast steel, brass, and wood, 15 1/2" long, 7 1/2" driver, signed "Gay Pat Dec 17 1878". This is a classic example of George E. Gay's (Augusta, ME. 1878 - 1905) patented screwdriver. It is a truly Maine-made tool.</p> <p>http://www.davistownmuseum.org/publications/volume10.html</p>	DTM	MH

		Status	Location
70701T5	Ratchet screwdriver	DTM	MH
<p>Wood, steel, and brass, 10 3/4" long, 5" blade, signed "GAY" the patent date is obscured. It has the same patent date as the larger Gay screwdriver displayed to the right (ID # 63001T5). http://www.davistownmuseum.org/publications/volume10.html</p>			
22211T7	Ratchet screwdriver	DTM	TT
<p>Brass body, steel point, and wooden handle, 4" long, 1/2" wide body, and 1" long handle, signed "PAT. NO.". The rest of the mark is not legible. Part of the Robert Sullivan Collection donation.</p>			
93011T18	Ratchetting screwdriver	DTM	TT
<p>Tempered alloy steel, brass, and wood, 12" long, signed "DECATUR COFFIN CO." "DECATUR, ILLS." "PAT. OCT. 7-1884". The oil hole is marked "OIL". This company operated between 1872 and 1943 making spiral screwdrivers. Christopher H. Olson held the patent (Nelson 1999).</p>			
33002T12	Recessed head screwdriver	DTM	MH
<p>Wood and steel, 11 5/8" long including a 4 1/2" handle, signed on ferrule "R & P Mfg Co Worcester-Chicago USA"; "Reed & Prince Mfg Co Worcester Chicago recessed reed wood screws machine screws sheet metal screws", c. 1938. The second signature is on the handle. This tool is an excellent example of the age-old tradition of using a manufactured tool for advertising purposes. Reed & Prince is connected to a spin-off / successor the Reed Small Tool Company which became Reed Rolled Thread Die Co. and is currently known as Reed-Rico, located in Holden, Mass. It is not connected with F. E. Reed or the Reed - Prentice Co., Worcester, MA, 1876 - 1895. Thank you to Alden Reed for the previous information on all the Reeds. http://www.davistownmuseum.org/pics/33002t12.jpg</p>			
913108T25	Screwdriver	DTM	MH
<p>Steel, brass, and wood, 14 3/8" long, 4 3/4" long brass section, 5 1/4" long steel tip, signed "MADE BY" "F. A. HOWARD & SON" and "PAT. July 2". Franklin Augustus and William Russell Howard of Belfast, Maine, worked together from 1895 to 1901. http://www.davistownmuseum.org/bioHowardFhtm</p>			
14302T17	Screwdriver	DTM	MH
<p>Steel, 8" long, signed "Mullen Mfg. Co. Boston Mass Patented". No Mullen is listed in DATM (Nelson 1999) but this tool might be post 1900. It is an interesting design for a screwdriver.</p>			
111001T27	Screwdriver	DTM	MH
<p>Wood, brass, and steel, 7 3/4" long, 2 3/4" wood handle, signed "Stanley Yankee No 4595 Made in USA". This is another classic Stanley tool from the early 20th century. http://www.davistownmuseum.org/bioStanley.htm</p>			
91303T10	Screwdriver	DTM	MH
<p>Steel and wood, 10" long, 3/4" wide blade, signed "The H. D. S. & Co Perfect Handle PAT Aug 26 03". H. D. Smith worked in Plantsville, CT, 1850 - 1930; the "Co" was added to the mark in 1901. His heavy duty screwdrivers and wrenches are among the most sought after of all tools by collectors.</p>			
913108T43	Screwdriver	DTM	MH
<p>Steel and wood, 14" long, 8 1/2" long blade, signed "HSC 8 ATA" "PERFECT HANDLE" "MADE PLANTSVILLE CONN USA" the company name is obscured. DATM (Nelson 1999) indicates that H. D. Smith of Plantsville, CT, used the "perfect handle" trademark. His working dates were 1850 - 1900.</p>			
30311T7	Screwdriver	DTM	TT
<p>Drop-forged steel and wood, 12" long, 1 1/2" wide, unsigned. It is handmade from a file.</p>			
111001T25	Screwdriver	DTM	MH
<p>Wood, steel, and brass, 12" long, signed "F. A. Howard Belfast Me Allard Pat. Aug 4 1868 24 Nov 1874". http://www.davistownmuseum.org/publications/volume10.html</p>			

		Status	Location
111900T11 Screwdriver	Steel and wood, 4 1/8" long, signed "Stanley Hurwood Pat April 01 Made in USA". "Shortly after George Wood was granted the above patent (no. 671,039) on 2 April 1901, he went into business with John Hurley to manufacture screwdrivers. They set up a shop in Plantsville, Connecticut, and named the new company using their last names. The founding of the Hurwood Manufacturing Company marked the beginning of the 11 solid bar screwdriver." The company was sold to the Stanley Rule & Level Co. in 1904 (Jacob, June 2002, The Chronicle).	DTM	MH
31602T6 Screwdriver	Wood, brass, iron, and steel, 12" long, signed "Goodell Pratt".	DTM	TT
32708T59 Screwdriver	Metal, brass trim, and wood handle, 12 3/8" long, signed "GAY" "PAT. DEC. 17. 1879" and on the other side of the handle "PARSONS" "AUGUSTA" "ME". This patent is held by George E. Gay and John A. Parsons of Augusta, Maine. http://www.davistownmuseum.org/pics/32708t59-3.jpg http://www.davistownmuseum.org/publications/volume10.html	DTM	MH
31811T5 Screwdriver	Drop-forged steel, brass ferrule, wood handle, 5" long, 2" blade, unsigned.	DTM	TT
101701T18 Screwdriver	Wood and steel, 7" long, signed "Stanley No 45 Made in USA". This is a classic example of Stanley's fine 20th century screwdrivers. http://www.davistownmuseum.org/bioStanley.htm	DTM	MH
81200T10 Screwdriver	Steel, wood, and brass, signed "Winchester Trademark Made in USA". http://www.davistownmuseum.org/pics/tjg1001a.jpg http://www.davistownmuseum.org/bioWinchester.html	DTM	MHC
TJR2202 Screwdriver	Cast iron and wood, 6 1/2" long, unsigned.	DTM	MH
31011T3 Screwdriver bit	Hand-forged steel, 4 1/2" long, 1/2" wide, unsigned. The bit has been hand-shaped from steel bar stock and both ground to fit the brace and hand-forged to flatten it to form the screwdriver head.	DTM	TT
31311T10 Scribe (?)	Steel with wood handle, 15" long, 1 1/2" wide, 2 3/4" blade, unsigned. This tool has a slightly curved handle holding a circular "blade" that was to be sharpened.	DTM	TT
22411T20 Shears	Forged steel, 9" long with a 2" blade, signed "W PA____" "& SON" "SHEFFIELD" "ENGLAND" "HERRIC____" and "COMPANY". These shears have a curved blade.	DTM	TT-D9
100108T4 Shears' sharpener	Wood and steel, 3 3/4" long, 1 5/8" wide, 2" long blade, signed on a paper label "MANUFACTURED BY" "C. R. HALEY Milford, Me." The paper label includes directions for use. The town name could be Gilford, there is a scratch on the label. A gift from Ed Shaw. http://www.davistownmuseum.org/publications/volume10.html	DTM	MH
TBL1001A Shingle rip	Cast and/or forged steel, 24 3/4" long with 2" wide rip, signed "C DREW & CO KINGSTON MASS", c. 1850. This tool is on display above the fire exit. http://www.davistownmuseum.org/pics/tbl1001a.jpg http://www.davistownmuseum.org/bioDrew.htm	DTM	MH

		Status	Location
102800T2	Slate trimmer	DTM	MH
<p>Forged iron, 17 15/16" long with a 7 7/8" point for cutting holes in the slate, signed with the Belden Machine Co. bell with "DEN" stamped inside the bell. Belden began marking slaters' tools in New Haven, CT, in 1885 and among slate roofers are famous for their slate hammers.</p>			
22411T18	Spiral screwdriver	DTM	TT
<p>Drop-forged malleable iron, brass, and wooden handle, 10 1/2" long, signed "F. A. Howard" "Maker" and "Belfast Me". This screwdriver has a special locking feature and a slot type drill bit. http://www.davistownmuseum.org/bioHowardF.htm</p>			
121600T2	Spiral screwdriver	DTM	MH
<p>Steel, bronze, and wood, 13" long, signed "Made by F.A. Howard & Sons, Belfast Me USA Pat. Maf. 1892". http://www.davistownmuseum.org/publications/volume10.html</p>			
TCR1050	Stamp	DTM	MH
<p>Forged steel and cast iron, 4" long with 5/8" long arrow, signed "WRIGHT & SON Cin.ti. O.". This is an stamp used to mark an arrow. An internet search turned up this tidbit: one company "which struck bimetallic tokens is Wright and Sons of Cincinnati, Ohio. Their work was sometimes signed WRIGHT CIN. O. or WRIGHT & SON, CIN. O."</p>			
071704T3	Steam gauge	DTM	MH
<p>Unknown, 8 1/4" long case, 6 5/8 long gauge, signed "Crosby Steam Gage and Valve Co. Boston U.S.A. & London, Eng.", c. 1875. This company is not listed in DATM (Nelson 1999). Its appearance signals the advent of the Industrial Revolution.</p>			
22311T3	Tool handle	DTM	TT
<p>Rosewood handle with drop-forged malleable iron bits, signed "FRAY'S. PAT. AUG.7.83.". The following tools are stored in the handle: straight chisel, curved chisel, scribe, small screwdriver, medium screwdriver, large screwdriver, awl, and tack remover. This patent is online at: http://www.google.com/patents/about?id=1OpMAAAAEBAJ&dq=fray+august+7+1883. Part of the Robert Sullivan Collection donation.</p>			
11301T8	Tool holder	DTM	MH
<p>Drop-forged steel, 6 3/4" long, 1 1/4" wide, signed "Cooper & Phillips Patented July 3, 1866 4". This is another tool heralding the arrival of the Industrial Revolution with its new tool kits (tools that make other tools). DATM (Nelson 1999) does not list this signature. Who are Cooper and Phillips and where did they make tools?</p>			
3312T4	Trowel	DTM	TT
<p>Cast steel, iron ferrule, wooden handle, 10" long, 3 5/8" wide blade, signed "I.REED" "CAST STEEL", c. 1880. It is unusual to encounter a mason's trowel made from cast steel. Courtesy of Liberty Tool Co.</p>			
30911T9	Trowel	DTM	TT
<p>Drop-forged malleable iron, brass ferrule, and wood handle, 6" long, 2 1/2" x 1 1/2" blade, signed "DDBCON". The signature is hard to read. This may be a plasterers' trowel.</p>			
30911T10	Trowel	DTM	TT
<p>German steel, steel ferrule, and wood handle, 9" long, 5" x 1 1/2" blade, signed "W. Germany" "83" and "WAG ___" "KONSTAN___" possible owner's marks. The signatures are partly obscured. This may be a plasterers' trowel.</p>			

Other Tools

21812LTC2	Heavy duty bench clamp with crimpers	DA	DA
<p>Drop-forged steel, 22" long, 6" wide, 3 1/4" high, signed "NIAGARA M. & .T WKS. BUFFALO, N.Y.". This item is courtesy of Liberty Tool Company.</p>			
22612T7	Pin vise	DTM	TT
<p>Drop-forged steel, brass, 4 1/2" long, unsigned. This tool was made in the late 1800s or early 1900s. It is donated by Liberty Tool Co.</p>			

		Status	Location
22512T3	Wagon jack	DTM	TT
Drop-forged steel, wood, 30" high, 14" by 5" wide base, unsigned. This is a nice complete example of a wagon jack. This tool is donated by Liberty Tool Co.			

Patternmakers' Tools

42904T4A	Cranehead-necked gouge	DTM	MH
Cast steel, brass ferrule, wooden handle, 12 1/2" long including 5 1/4" handle, 11/16" wide, signed "BUCK BROS" with a buck touchmark. http://www.davistownmuseum.org/pics/42904t4a-2.jpg http://www.davistownmuseum.org/bioBuckBrothers.html			

42904T4B	Cranehead-necked gouge	DTM	MH
Cast steel, brass ferrule, wooden handle, 12" long including 5 1/4" handle, 1/12" wide, signed "BUCK BROS" with a buck touchmark. Shank needle gouge. http://www.davistownmuseum.org/pics/42904t4b-2.jpg http://www.davistownmuseum.org/bioBuckBrothers.html			

121600T4	Lifter	DTM	MH
Cast steel, 11" long, signed "Monk". This is a patternmakers' smoothing tool used in cleaning and finishing the bottom and sides of deep narrow openings in molds used in foundry work. See page 18 of "Founders Work" by Stimpson, Gray and Grennan. DATM (Nelson 1999) lists a Monk as a maker of molders' tools, c. 1894, location unknown.			

30202T14	Patternmakers' burnisher	DTM	MH
Cast brass, 4 3/4" long, 1/2" and 3/8" diameter heads, unsigned. This tool was used by a patternmaker for smoothing the surfaces of sand molds prior to casting. http://www.davistownmuseum.org/pics/30202t14.jpg			

913108T35	Patternmakers' drawshave	DTM	MH
Steel, brass trim, and wooden handle, 5 1/2" wide, 2 3/4" long blade, unsigned.			

913108T2	Router	DTM	MH
Steel blade, brass, wooden knobs, 4" long, 1/4" wide blade, unsigned.			

31811T24	Unidentified tool	DTM	TT
Lignum vitae, 9" long, 1 1/2" wide, 3/8" high, unsigned. This tool came from a patternmaker's shop. The curved side with a dovetail cutout is a possible holding fixture.			

Patternmakers' Tools - H A Cobbett Group

The H A Cobbett group is a small hoard of patternmaker's tools obtained by a 20th century patternmaker living near Worcester, MA, who sold the lot with other patternmaker's tools to the Liberty Tool Co., ca. 1998. Cobbett was the original owner, but did not make most of these tools.

42801T4	Center finder gauge	DTM	MH
Steel, 7 7/8" long, 3 11/16" wide horizontal cross guide, signed "H A Cobbett" by the owner/maker. Another essential component of the patternmakers' tool kit.			

42801T2	Inside calipers	DTM	MH
Steel, 4 5/8" long, signed "H A Cobbett" by the owner. These are distinctively stylized ladyleg calipers with a silhouetted head. Possibly they are owner-made. They are an excellent example of an American folk art tradition: American patternmakers' ladylegs caliper.			

40501T1	Patternmakers' gouge	DTM	MH
Cast steel, brass, and wood, 11" long, 1 1/4" wide blade, 5" long handle, signed "Corbett" on handle.			

42801T3 **Patternmakers' tools (4)** DTM MH

Brass and steel, 3 are 3 1/2" long with 1 1/2", 1 1/8" & 1" cutters; the other is 2" long, 1 1/4" wide, 1 1/2" cutter, unsigned, c. 1865 - 1885.

These are all planes, three are shavers and the other is a spoke-shave type rounding plane. They were all found in the Corbett collection; no owner signatures.

<http://www.davistownmuseum.org/pics/42801t3.jpg>

42801T1 **Shrink rule** DTM MH

Boxwood and brass, 24" long, signed "Stanley Rule & Level Co., New Britain, CONN USA No 30 1/2 1/4 in per ft shrinkage". Sets of shrink rules were essential for judging shrinkage as a result of cooling of various metals in molds used in foundry work. Patternmakers constructed the wood molds for the casting the machinery used in the factories. This was found in the Cobbett collection; no owner signature.

<http://www.davistownmuseum.org/bioStanley.htm>

Quarrying Tools

032103T5 **Miners' pick (?)** DTM MH

Forged iron, 13" long, 3" handle socket, signed "2225".

This turn-of-the-century tool has an unusual form and a Kenneth Lynch provenance indicating he collected it in France or Spain in the third half of the 20th century and brought it to this country with the other tools he collected.

<http://www.davistownmuseum.org/pics/032103t5.jpg>

<http://www.davistownmuseum.org/bioLynch.htm>

12801T11 **Stone chisel** DTM MH

Drop-forged iron with a welded steel cutting edge, 8 5/8" long, 2" wide, signed "Bicknell Mfg. Co. Rockland Maine".

This company was the premier manufacturer of tools for the quarry industry of coastal Maine. DATM (Nelson 1999) has no listing for Bicknell. The company began manufacturing in 1893 as the Livingston Manufacturing Company. This tool appears to be post 1900, but Bicknell played a key role in supplying the tools for quarrying in Vinalhaven and Stonington once factory production suppressed on-site forges. The company is now named Bicknell Supply Co. and is located in Elberton, GA. More information is sought for our files on Bicknell.

<http://www.davistownmuseum.org/bioBicknell.htm>

<http://www.davistownmuseum.org/publications/volume10.html>

52603T20 **Stone chisel** DTM MH

Steel, 7 3/4" long, signed "AMIESON".

Shipwrights', Sailmakers', and Mariners' Tools

TCX1005 **Caulking iron** DTM MH

Cast steel (?), 5 3/4" long with a 2 1/4" wide blade, signed "T. LAUGHLIN Co" and "PORTLAND, ME", c. 1865-1870 (?).

T. Laughlin Co. is listed in DATM (Nelson 1999, 473) as located in Portland, ME, without a date. Wooden shipbuilding and ship repairing continues in Maine despite the decline of maritime industries after the Civil War and the depletion of coastal forest resources. Ocean-going steam ships remained impractical in comparison to the large 4 and 5 masted schooners built in Maine due to the heavy weight and large bulk of the coal necessary for transatlantic travel.

<http://www.davistownmuseum.org/pics/tcx1005-2web.jpg>

<http://www.davistownmuseum.org/publications/volume10.html>

102800M9 **Compass (mariners)** DTM MHC-K

Cast steel, 3" long, signed by owner "W.F. Blake".

<http://www.davistownmuseum.org/bioKnoxEngine.htm>

31112T2 **Fid** DTM TT-D27

Hardwood, 11 1/2" long, 2" wide, unsigned.

Courtesy of Liberty Tool Co.

62406T4 **Lipped adz** DTM MH

Cast steel, 10 3/4" long, 2 5/8" peen, 5" wide cutting edge, 31" wood handle, signed "Collins & Co Hartford cast steel warranted legitimus" with a hammer touchmark on the handle.

This is the classic Collins shipwrights' adz, unused, with the original black and gold paper label stating "Look for the stamp if you want the genuine Collins & Co Hartford".

<http://www.davistownmuseum.org/pics/62406t4.jpg>

21812LTC1 Lipped shipwrights' adz

DA DA

Hardwood handle (oak?), cast steel, 33 3/4" long, 11" long head, 5 1/4" edge, signed "GUARANTEED PLUMB" (inside a square). It comes with a wooden sheath for the edge. This adz was formerly in the collection of George DuPrey.

21812T20 Lipped shipwrights' adz

DTM TT

Hardwood handle (oak?), cast steel with forge-welded edge, 33 3/4" long, 11" long head, 5" edge, signed "COLLINS & CO HARTFORD CAST STEEL WARRANTED MADE IN USA" with hand holding hammer logo.

This is probably a post-Civil War adz. It was formerly in the collection of George DuPrey and was donated to the Tools Teach program.

<http://www.davistownmuseum.org/bio#bioCollins.html>

30311T2 Marlin spike

DTM TT

Drop-forged malleable iron or steel, 15 1/2" long, 1" wide, unsigned. It is used to splice wire rope.

30911T7 Marlin spike

DTM TT

Drop-forged malleable iron or steel, 12" long, 1" wide, unsigned.

091909T3 Mast shave

DTM MH

Forge-welded iron and steel, wood, 20 1/4" long, 5 1/2" wide, signed "J.GREEN". It is made by a currently unidentified maker.

<http://www.davistownmuseum.org/pics/091909t3web2.jpg>

<http://www.davistownmuseum.org/pics/091909t3web1.jpg>

22211T17 Ships' bevel rule

DTM TT

Brass and boxwood, 12" long, 5/8" wide, 3/8" thick, signed "No 42", c. 1900. It has two brass blades, one 6 1/2" the other 3 1/2". Part of the Robert Sullivan Collection donation.

22211T18 Ships' bevel rule

DTM TT

Brass and hardwood, 12" long, 5/8" wide, 3/8" thick, unsigned. This rule is homemade with a single blade marked with graduations but no numbers. Part of the Robert Sullivan Collection donation.

31808SLP1 Slick

DTM TT

Steel and maple, 29" long, 16 5/8" long handle, 3" wide blade, signed 'ROCKFORD' "GREENE" "ILLINOIS" "MADE IN USA" and on handle "FM".

<http://www.davistownmuseum.org/pics/31808slp1-2.jpg>

<http://www.davistownmuseum.org/pics/31808slp1-3.jpg>

52907T2 Slick

DTM MH

Welded cast steel, 21 1/2" long including a 12 1/2" handle, 3 1/2" wide, signed "DOUGLASS Mfg Co" and owner's initials "S.H.W.".

This slick has a clearly defined steel-iron interface on the bottom. DATM (Nelson 1999) lists Douglass Mfg. Co. in Seymour, CT from 1856-1894. The name is sometimes spelled with one "s". There also is a Douglas Axe Co. in East Douglas, MA. DATM does not describe a clear relationship between the two companies, but the Douglass Mfg. Co. was owned by a number of famed toolmakers, including F. L. Ames (c. 1873), Thomas Douglass and Richard Bruff (c. 1873), Russell Erwin (1874-77) and James Swan. Swan changed the name to Swan sometime after 1877 but was still marking tools Douglass Mfg. Co. as late as 1894. James Swan is the famous Seymour, CT edge toolmaker, 1817 - 1951. This is an excellent example of a fine shipwrights' slick, probably made around 1880.

<http://www.davistownmuseum.org/bioSwan.html>

Silversmithing Tools

92911T14 Hammer

DTM TT

Cast steel, wood, and brass, 11" long with handle, 4" long by 1 1/2" wide heads, unsigned. This silversmith's hammer is used for chasing and forming. It has two heads with hand-forged brass caps. The handle is wooden.

22311T10 Horn mallet

DTM TT

Wooden, 10" long, 4" head, unsigned. It is handmade. Part of the Robert Sullivan Collection donation.

		Status	Location
30202T8	Jewelers' dies (13)	DTM	MH
Steel, 1 1/4" x 1/2" up to 2 7/8" x 5/8", one is 1 7/8" diameter, unsigned. These are associated with the jewelers' dies from Providence, RI and Attleboro, MA.			
32802T2	Jewelers' dies (lot of 6)	DTM	MH
Cast steel, from 2 to 2 3/4" square and 3 to 3 3/8" high, signed (1) "O NEIL Attleboro Mass * " with eagle touchmark, (1) "MFRS SUPPLY CO PROV RI", (3) "WHM & SONS MFRS PROV RI" and (1) "GD KING & SONS ATTLEBORO". http://www.davistownmuseum.org/pics/32802t2.jpg			
71401T8	Jewelers' saw	DTM	MH
Steel, brass, and rosewood, 8" long, 4" handle, signed "M F Millers Falls Mass USA". This is an exquisite example of a rather uncommon early Millers Falls Co. tool from the heyday of New England tool manufactories. http://www.davistownmuseum.org/bioMillersFalls.htm			
TKD1302	Silversmiths' doming hammer	DTM	MH
Drop-forged steel (?), 4 1/4" long with a 1" diameter face, signed "24" with an obscure touchmark on the reverse side, c. 1880-1910. This is another specimen from the large tool collection purchased from Kenneth Lynch by the Liberty Tool Co. http://www.davistownmuseum.org/pics/tjg1001a.jpg http://www.davistownmuseum.org/bioLynch.htm			

Unidentified Tools

81801T14	Unidentified tool	DTM	MH
Drop-forged iron with wood handle and brass ferrule, 12 3/4" long, 7 1/2" pistol grip, 9/16" wide, signed "PAT Feb 6 1877". It has an unknown use, but resembles a curling iron with a wider, flatter iron.			
913108T38	Unidentified tool	DTM	MH
German steel, iron ferrule, and wooden handle, 6 3/8" long, 3 1/2" long blade, signed "PEGGIANO BAKATTA" and "PARMA". This is an Italian mark; possibly it is a leather cutting tool?			
81801T15	Unidentified tool	DTM	MH
Steel with wood handle and metal ferrule, 3/4" diameter blade, signed "Patented 12-5-09". This small hand tool has a looped attached to a blade and a modern style handle. What was its use?			
31811T23	Unidentified tool	DTM	TT
Lignum vitae, 14 3/8" long, 2" wide, 1/2" high, unsigned.			

Watchmakers and Jewelers' Tools

32502T36	Divider legs (2)	BDTM	MH
Iron, 6 3/4" long on 1/16" diameter iron bar stock, unsigned. http://www.davistownmuseum.org/bioEpstein.htm			
22512T9	Forming block	DTM	TT
Cast steel, 2" by 2", unsigned. This steel block has various diameter half spheres cast in it and was probably used by a jeweler. This tool is donated by Liberty Tool Co.			
32502T16	Gouge	BDTM	MH
Cast steel with cellulite handle, 2" long, 5/16" wide gouge, and 3" long handle, unsigned. http://www.davistownmuseum.org/bioEpstein.htm			
31311T1	Hammer head	DTM	TT
Cast steel, 4 1/2" long, 1/2" wide, unsigned. This is known as a staking, watchmakers, or jewelers hammer.			
31011T8	Hammer head	DTM	TT
Cast steel, 3 1/2" long, 3/8" diameter round head with curved claw, unsigned.			

32502T19 **Hold down screws (2)** BDTM MH
 Brass with beech handle, 3 1/4" long handle, unsigned.
<http://www.davistownmuseum.org/bioEpstein.htm>

22211T24 **Jewelers' fret saw** DTM TT
 German steel, steel blade, hardwood handle, 12" long, 5 1/2" wide, 6" blade, signed "MADE IN GERMANY".
 Part of the Robert Sullivan Collection donation.

32502T14 **Jewelers' hammer** BDTM MH
 Drop-forged steel (?), 2 7/8" x 7/16" diameter face with a 3/8" wide cross peen, signed "France".
<http://www.davistownmuseum.org/bioEpstein.htm>

32502T48 **Pliers-type tools (4)** BDTM MH
 Cast steel, 4 3/8" to 4 3/4" long, signed "Lindstrom Sweden", "Halle IT Co", "T H Brown" and "P S Studeay".
<http://www.davistownmuseum.org/bioEpstein.htm>

41302T12 **Thread gauge** DTM MH
 Cast steel, 2 7/8" long, signed "GARANTIE" and "MARTIN FILS Made in Switzerland SWISS MADE".
 This is a miniature jewelers' tool.

32502T32 **Tweezers** BDTM MH
 Cast steel, 5 7/8" long, signed "L Silverman Germany", c. 1920.
 They are double ended.
<http://www.davistownmuseum.org/bioEpstein.htm>

32502T33 **Wire cutter** BDTM MH
 Drop-forged malleable steel (?), 4 3/16" long, signed with an obscure mark, c. 1920.
<http://www.davistownmuseum.org/bioEpstein.htm>

Woodworking: Axes and Hatchets

7409T1 **Ax** DTM MH
 Steel and wood, 14" long, 6 1/2" wide head, 4 1/2" cutting edge, signed "AMERICANAX" "GLASSPORT".
 The American Axe & Tool Co. offices in Oakland, Maine, were discontinued on Oct. 15, 1890 and a new Glassport, PA, manufacturing facility was constructed.
<http://www.davistownmuseum.org/pics/7409t1.jpg>
<http://www.davistownmuseum.org/publications/volume10.html>

52603T24 **Ax** DTM MH
 Steel and iron, 7 2/16" long, unsigned.

31212T5 **Barreling hatchet** DTM TT
 Drop-forged steel, hickory handle, 12 1/4" long, 6 1/2" long and 2 1/2" wide head, signed "STANLEY".
 This is a Stanley No. 1 hatchet, marketed as a "half hatchet with nail puller." Courtesy of Liberty Tool Co.
<http://www.davistownmuseum.org/bioStanley.htm>

52907T3 **Broad ax** DTM MH
 Cast steel, 23 3/4" long handle, 10" long head, 10 1/2" wide blade, 3 1/4" poll, signed "Wm Beatty & Son" "CAST STEEL" "ESTER" and "MANESKOOTU".
 DATM (Nelson 1999) lists the numerous variations of the famous Beatty clan of edge toolmakers of Chester, Springfield, Pottstown, and Waterville, Pennsylvania as working from 1806 - 1899. A son of the original founder, also named William, probably made this ax. It is marked "MANESKOOTU" three times on its opposite side for the name of the island community where it was used and found in northwestern Massachusetts. It is a fine example of a large late 19th century welded cast steel broad ax with a significantly off-set (to the left) handle.

31811T13 **Broad ax head** DTM TT
 Forged iron and cast steel, 10 1/4" long, 7 1/4" wide, signed "J EMERY" and "C STEEL".

050112T1 Cambodian hatchet

DTM TT

Drop-forged cast steel, 5 1/2" long, 3 5/16" wide cutting edge, unsigned.

It is made from one piece of cast steel with surface filing throughout. The cutting edge is heavily filed. This tool was purchased by Brett Ciccotelli at the Krakor, Cambodia, village tool market in the winter of 2012 and represents state of the art edge tool manufacturing capabilities of a third world country. The tool is nicely made and looks like it would hold a good edge.

52707T1 Double-bitted ax

DTM MH

Welded steel with ground and filed steeled edges, 35 1/2" long handle, 10 1/2" long and 3 11/16" wide head with a 5 1/2" curved cutting edge, signed "G53 D/W MS".

This is a nice quality, late 19th century example of a heavy duty, double-bitted, felling ax.

10407T6 Double-bitted ax

DTM MH

Drop-forged steel and wood, 7 1/2" long, 3" wide blades, unsigned.

This is an interesting ax made in one of America's hundreds of small ax factories in the late 19th century.

091909T2 Felling ax

DTM MH

Forge-welded iron and steel, wood handle, 32" long, 6 1/4" wide, 4" cutting edge, signed "DOUGLAS AXE MFG Co.", "CAST STEEL WARRANTED", and "MFD BY W. HUNT".

<http://www.davistownmuseum.org/pics/091909t2web2.jpg>

<http://www.davistownmuseum.org/pics/091909t2web1.jpg>

3091112 Hatchet

DTM TT

Cast steel with wood handle, 12" long, 5 1/4" long x 2 1/4" wide x 1" thick blade, unsigned.

This hatchet was used in a trade, perhaps by a plasterer.

61204T16 Hatchet

DTM MH

Cast steel and wood, 13 3/4" long including a 11 1/2" handle, 3 1/4" wide cutting edge, 1 3/16" poll, signed "FINDLAY AXE & TOOL CO." "FINDLAY O. U.S.A." "1".

The Findlay Axe & Tool Co. is not listed in DATM (Nelson 1999). This is a rare mark not often found in New England tool chests. Jack Devitt (2000) author of "The Who, What, Where and When of Ohio Toolmakers and Their Tools" states that "Findlay Axe and Tool Co. was in business in the late 1890s." The Grant Motor Company website indicates that "The Findlay Motor Car Co. produced passenger cars from 1910-13, in the old Findlay Axe and Tool plant at the foot of Santee Avenue."

<http://www.davistownmuseum.org/pics/61204T16.jpg>

22512T7 Hatchet

DTM TT

Cast steel, 13" long, 4 1/2" wide head, signed "UNDERHILL EDGE TOOL Co" "WARRENTED CAST STEEL".

This tool is donated by Liberty Tool Co.

<http://www.davistownmuseum.org/bio#bioUnderhill.html>

31908T27 Hatchet

DTM MH

German steel (?), 5 7/8" long, 3 3/4" long blade, signed "JOHN RILEY & SONS" "1186" and an obscured mark beginning with S and ending with D.

This company used the brand name "TRINAX" and made hatchets.

31311T3 Hatchet

DTM TT

Drop-forged iron and steel, 3 1/2" long, 2 1/2" wide head, unsigned.

This hatchet has a broad-shaped head and might have been used for shingling as it has a nail puller notch.

041505T26 Hatchet

DTM MH

Drop-forged steel and wood, 6 1/2" long, 3 5/8" cutting blade, 1 3/16" diameter poll head face, 13 3/8" long handle, signed "COLLINS & CO" "HARTFORD" "LEGITIMUS" with a crown hallmark on the head and a red paper label on the handle stating "COLLINS TOOLS".

The Collins Co. was in Canton, later Collinsville, CT from 1826 - 1957. This circa 1950 edge tool is by one of America's most prolific and famous edge toolmakers. It is an excellent example of a modern all-steel edge tool.

<http://www.davistownmuseum.org/pics/041505t26.jpg>

32708T61 Hatchet head

DTM MH

Metal, 3 1/2" long, 2 1/4" wide, unsigned.

<http://www.davistownmuseum.org/pics/32708t61.jpg>

- 101511T1 **Hatchet mold** DTM TT
 6.5" long, 3 3/4" long blade, unsigned.
 A hatchet is drop-forged and steeled within its casting pattern and mold. This is from the Ed Shaw collection of Peavy edge tools.
- 4105T5 **Hatchet or belt ax** DTM MH
 Cast steel (?) and wood, 12 1/2" long including an 11" long handle, 2 1/4" wide cutting edge, signed "L. A. SAYRE & Co. Newark". This mark does not appear frequently in New England but DATM (Nelson 1999) records Sayre as working from around 1884 into the early 20th century making a wide variety of hand tools.
<http://www.davistownmuseum.org/pics/4105t5.jpg>
- 12900T7 **Hewing ax** DTM MH
 Die cast and drop-forged steel, 11 5/8" long, 7 1/2" wide blade, signed with an obscured foreign maker's sign and touchmark, c. 1900 - 1910.
 This is an edge tool from the Pyrenees or Alps area of France or Spain that was brought to the US by Kenneth Lynch.
http://www.davistownmuseum.org/pics/12900t7-1bw_web.jpg
<http://www.davistownmuseum.org/bioLynch.htm>
- 31311T8 **Packing hatchet** DTM TT
 Drop-forged malleable iron and steel, 11" long, 5" x 3" head, signed "F".
 This hatchet is used to assemble wood boxes or crates.
- 30311T4 **Shingling hatchet** DTM TT
 Drop-forged malleable iron and steel, 7" long, 2 1/2" wide blade, unsigned.
- 62207T4 **Splitting ax** DTM MH
 6 13/16" long, 3 3/4" wide blade, unsigned.

Woodworking: Axes and Hatchets Made in Maine

- 121600T1 **Ax** DTM MH
 Drop-forged steel, 6 3/4" long, 3 3/4" wide cutting edge, signed "J P Billings Clinton Me".
 A John P. Billings worked in Clinton from 1869 - 71. Other J. P. Billings worked in Saco as early as 1825 and Hallowell in 1841. No lap marks are visible on this ax between the steel blade and iron poll. It is accompanied by a framed advertisement from the Clinton Advertiser illustrating a small man cutting down a large tree. "I cannot tell a lie, father. I did it with one of Billings's Axes. All kinds of edge tools manufactured by J.P. Billings, Clinton, Me." It is a gift to the Museum from Rick Floyd, Newport, ME. The frame also contains an advertisement for "Chas. Jaquith general Blacksmith, Manufacturer of Axes and all kinds of edge tools."
<http://www.davistownmuseum.org/publications/volume10.html>
- 92911T12 **Broad ax** DTM MH
 Forged iron and steel with wood handle, 33" long, 8" wide cutting edge, 6 1/2" long head, signed "PEAVEY" "BANGOR, ME".
<http://www.davistownmuseum.org/bioPeavey.htm>
- 062207T3 **Double-bitted ax** DTM MH
 Drop-forged steel, 9 1/4" long, 3 7/8" wide blade, signed "The New Little Giant" "King Axe & Tool Co." and "Oakland Maine" on a paper label, on the tool "KATCO" and "3 1/4".
- 43006T9 **Lathing hatchet** DTM MH
 Cast steel and wood, 13" long, 2 1/4" wide blade, 1" diameter poll, signed "C. A. Williams & Co.". C. A. Williams worked in Skowhegan, Maine, c. 1860 - 1870. This is the second Williams tool to enter the museum collection. Is this English or American cast steel?
http://www.davistownmuseum.org/pics/43006t9_p2.jpg
<http://www.davistownmuseum.org/publications/volume10.html>
- 12801T12 **Offset hewing ax** DTM MH
 Forged iron and weld steel, 6 1/2" long, 5 5/8" wide cutting edge, no handle, signed "JOHN KING" "OAKLAND, ME.". A nice example of a welded steel ax, this is our first example of a John King ax with the imprint in the iron rather than on a paper label. King may have made axes as early as 1877. For comments on John King and the John King Ax Co. see the Registry of Maine Toolmakers (Brack 2008). This ax was located by Dana Phillippi of Liberty, Maine at a Burnham auction, October, 2001.
http://www.davistownmuseum.org/pics/12801t12_p1.jpg
<http://www.davistownmuseum.org/publications/volume10.html>

Woodworking: Boring Tools

		Status	Location
31811T19	Adjustable drill bit	DTM	TT
Drop-forged alloy steel, 8 1/2" long, 1" wide, signed "L H GIBBS" "NY" "PATENT" "JUNE 17 1885". DATM (Nelson 1999) lists Gibbs in Washington, DC when he received his patent. He later moved to NY. No patent is recorded for him.			
22311T7	Archimedian hand drill	DTM	TT
Tempered alloy steel, brass, and copper with a wooden handle, 13" long (extended), 8" long (closed), signed "Goodell Bro's Greenfield, Mass." "Patented, July 22, 1890. Nov. 17, 1891". The drill has a slot type screwdriver bit. The patent is online at: http://www.google.com/patents/about?id=JRBhAAAAEBAJ&dq=goodell+nov+17+1891 . Part of the Robert Sullivan Collection donation.			
914108T7	Auger	DTM	MH
Steel, 7 1/2" long, signed "J. T. PUGH" and "PHILA PA". Job. T. Pugh worked in Philadelphia, PA, from 1876-1891 making flour testers, augers, bits, and other tools.			
914108T3	Auger bit	DTM	MH
Steel, 10" long, 7/8" diameter cutting size, signed "PETEROR" is the best guess, it is badly obscured. Information on this maker's mark is welcomed.			
41203T3G	Center bit	DTM	MH
Cast steel, signed "__ Wells & Co Cast Steel". DATM (Nelson 1999) lists a T. E. Wells with working dates from 1850 - 1854 in Philadelphia, PA.			
3312T6	Center bit	DTM	TT
5 1/4" long, 1 1/2" wide, signed "EARNSHAW BRO SHEFFIELD". This is an English company. Courtesy of Liberty Tool Co.			
41203T31	Center bit	DTM	MH
Cast steel, signed "J. BEE CAST STEEL". DATM (Nelson 1999, 993) indicates James Bee, 1814, is a foreign maker of braces and bits.			
41203T3B	Center bit	DTM	MH
Cast steel, signed "H. Boker". DATM (Nelson 1999, 98) lists this company's working dates from 1837 - 1969, no location given. Most Boker tools were imported from Germany.			
41203T3C	Center bit	DTM	MH
Cast steel, signed "Bagshaw & Field". DATM (Nelson 1999, 47) lists this company's working dates from 1881 - 1931 in Philadelphia, PA. Walter Bragshaw was working in Philadelphia as early as 1866.			
41203T3D	Center bit	DTM	MH
Cast steel, signed "Thiele & Quack". DATM (Nelson 1999, 782) lists this company as making bits and dies with no location or date.			
41203T3F	Center bit	DTM	MH
Cast steel, signed "Stortz & Son". DATM (Nelson 1999) lists this company's working dates from 1853 - 1972 in Philadelphia, PA.			
41203T3A	Center bit	DTM	MH
Cast steel, signed "J Booth & Son". DATM (Nelson 1999) lists this company's working dates from 1850 - 1854 in Philadelphia, PA.			
41203T3H	Center bit	DTM	MH
Cast steel, signed "W. Greaves & Sons Steel Works". This is made by a famous and prolific Sheffield, England, manufacturer.			
41203T3J	Center bit	DTM	MH
Cast steel, signed "Spears & Jackson". This is made by another well known Sheffield, England, manufacturer.			

	Status	Location
<p>41203T3E Center bit</p> <p>Cast steel, signed "Walter & Co. Cast Steel". This company is not listed in DATM (Nelson 1999); probably it is a Sheffield, England, manufacturer.</p>	DTM	MH
<p>914108T9 Countersink</p> <p>Iron and steel, 4 1/8" long, signed "G. B. WHEELER". George B. Wheeler worked in Brattleboro, VT, from 1870 - 1873 making axes, bits, and machinists' tools. His father, Asa, held an 1870 patent for countersinks and a countersink depth gauge that he assigned to George.</p>	DTM	MH
<p>31701T2 Countersink</p> <p>Cast steel, 4 1/4" long, 5/8" cutter at a 45° angle, signed "_B WHEELER PATD APR 12 1870". DATM (Nelson 1999, 864) lists George B Wheeler of Brattleboro, VT, 1870, as having received this patent from his father, Asa Wheeler (Warwick, MA, 1849; moved to Brattleboro the same year.)</p>	DTM	MH
<p>31611T1 Countersink bit</p> <p>Drop-forged cast steel, 4 3/4" long, 1/2" countersink, signed "C. STEEL". This bit is made for use with a brace.</p>	DTM	TT
<p>31908T38 Double twist auger bit</p> <p>Steel, 15 1/4" long, signed "JAMES SWAN" "COOK" "PATENT" with the swan trademark and "16" on the bit point. http://www.davistownmuseum.org/pics/31908t38p1.jpg http://www.davistownmuseum.org/bioSwan.html</p>	DTM	MH
<p>31811T33 Drill bit</p> <p>Drop-forged cast steel, 2 1/2" long, 3/8" diameter, signed but it is too worn to read, it might say "1855". It appears to be a Jennings type bit.</p>	DTM	TT
<p>3312T11 Expansion drill</p> <p>Drop-forged tempered alloy steel, 10 1/2" long, bit from 7/8" to 1 3/4", signed "THE CLARK, BROWN MODEL" "MADE BY R.H.BROWN & CO.". DATM (Nelson 1999, 119) lists R. H. Brown & Co. as making machinist tools, bits, braces, and screwdrivers in Westville, CT, from 1873 to 1905. Courtesy of Liberty Tool Co.</p>	DTM	TT
<p>040103T14 Expansive bit</p> <p>Drop-forged steel, 9 1/4" long, signed "DAVIS THE HARDWARE MAN". Who is Davis the hardware man?</p>	DTM	MH
<p>021812T1 Expansive bit</p> <p>Cast steel, 10 1/2" long, 1/2" diameter, signed "THE CLARK BROWN MODEL" "MADE BY R.H. BROWN & CO". William A. Clark patented an expansive bit on May 11, 1858 (Nelson 1999, 171). Reuben H. Brown bought the patent and manufactured it. The 1873 patent is one of Clark's improvements on the 1858 bit here: http://www.google.com/patents?id=kLVQAAAAEBAJ&pg=PA1&dq=141324+1873&hl=en&sa=X&ei=cgFRT4efMcXn0QHvyYmEDG&ved=0CDQQ6AEwAA#v=onepage&q=141324%201873&f=false. By 1894, R.H. Brown was the sole manufacturer of the bits and was patenting improvements on them himself: http://www.google.com/patents?id=SJ9WAAAAEBAJ&pg=PA2&dq=Brown+expansive+bit&hl=en&sa=X&ei=9QBRT9uYOOSs0AH&ved=0CDIQ6AEwAA#v=onepage&q=Brown%20expansive%20bit&f=false.</p>	DTM	TT
<p>021812T2 Expansive bit</p> <p>Cast steel, 7 1/4" long, 1/2" diameter bit and 7/8" diameter bit, signed "GENUINE" "MUR MAC" "W. A. CLARK". William A. Clark patented an expansive bit on May 11, 1858 (Nelson 1999, 171). He patented an improvement in 1873. See ID# 021812T1 for a version of his bit patent that was manufactured by R. H. Brown & Co.</p>	DTM	TT
<p>22411T17 Hand drill</p> <p>Brass with wooden handle, 9" long, unsigned. This is an archemidian style drill with a fine drill holder end.</p>	DTM	TT
<p>102100T22 Mortising bit</p> <p>Wood, 8 1/2" long, 3/4" diameter, signed "Greenlee Rockford ILL MADE IN USA". DATM (Nelson 1999, 333) indicates Greenlee Bros. & Co. moved from Chicago to Rockford, IL, in 1905. This modern mortising bit is almost 50 years newer than the Miller's Falls mortising machine that can still utilize this distinctive wood bit. Notice the two circular indentations for securing this type of bit in a mortising machine.</p>	DTM	MH

	Status	Location
82500T3 Mortising machine	LPC	MH

Cast iron, signed "M.F.Co. Millers Falls Mass", c. 1885.
 This is a prototypical mortising machine of the late 19th century. It was used in shipyards and for barn building to cut the mortise for tenons. This tool dates from before the age of electric powered hand tools.

<http://www.davistownmuseum.org/pics/82500t3.jpg>
<http://www.davistownmuseum.org/bioMillersFalls.htm>

	DTM	MH
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Cast steel, 17 1/8" long, signed "MATHIGSON" with an M inside a circle.
 It is Scottish.

	DTM	MH
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Steel, signed "THE JAMES SWAN CO" "SEYMOUR, CT. U.S.A." with swan trademark and "18" on the bit point.
 The James Swan Co.'s working dates were from 1877 to 1951.

<http://www.davistownmuseum.org/bioSwan.html>

	DTM	TT
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Drop-forged steel, 8" long, 1" diameter, unsigned.
 It is used with a brace.

Woodworking: Edge Tools - American Made Cast Steel

	DA	DA
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Drop-forged steel, rosewood grip, 30" long, 8" wide, 6" deep, 7" handle, signed "NIAGARA" (with anchor logo).
 This item is courtesy of the Liberty Tool Company.

	DTM	MH
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Cast steel, 11" long, 5/8" wide, signed "JAS SWAN CO. U.S.A.".

<http://www.davistownmuseum.org/bioSwan.html>

	DTM	MH
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Cast steel, 7 7/8" long, 1 1/2" wide, signed "THE JAMES SWAN CO. SEYMOUR, CONN., U.S.A." with a swan touchmark.

<http://www.davistownmuseum.org/bioSwan.html>

	DTM	MH
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Cast steel and wood, 13 1/2" long, 1/4" wide, signed "THE JAMES SWAN CO" on the chisels.
 The chisels are fitted loosely with wooden handles. A blue label on the cardboard box reads: "1-2 Doz. SWAN'S No. 1230 OUTSIDE BEVEL SOCKET FIRMER GOUGES WITH LEATHER TIPPED HANDLES MANUFACTURED BY The James Swan Company, Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/32308dtm5p3.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

	DTM	MH
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Cast steel with cardboard box, 9" long, 15/16" diameter bits, signed "THE JAMES SWAN Co." AND "SEYMOUR CONN USA" with their trademark on the bits.

The wooden dovetailed box reads on a blue paper label: "1-2 Doz. No. 30 7 1/2 - 8 SWAN'S SHIP AUGER BITS (FINEST HAMMERED STEEL) WITH SCREW Manufactured by THE JAMES SWAN CO. Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/40408dtm6p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

	DTM	MH
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Cast steel with wooden box, 7 3/4" long, 5/16" diameter bits, signed "THE JAMES SWAN Co." and "SEYMOUR, CONN. U.S.A." with their trademark on the bits.

The wooden dovetailed box reads on a red paper label: "1-2 Doz. No. 30. 2 1/2-8 SWAN'S SHIP AUGER BITS (Finest Hammered Steel.) With Screw. Manufactured by THE JAMES SWAN COMPANY, Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/40408dtm10p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

40408DTM11 Box of six ship auger drill bits

DTM MH

Cast steel with wooden box, 9 1/4" long, 11/16" diameter bits, signed "THE JAMES SWAN Co. SEYMOUR CT" on the bits.
The wooden dovetailed box reads on a red paper label: "1-2 Doz. No. 80. SUPERIOR CAST STEEL BITS JENNINGS' PATTERN
Manufactured by THE JAMES SWAN COMPANY, Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/40408dtm11p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

40408DTM9 Box of six ship auger drill bits

DTM MH

Cast steel with wooden box, 8 5/8" long, 7/16" diameter bits, signed "THE JAMES SWAN Co. JENNINGS PATTERN" on the bits.
The wooden dovetailed box reads on a blue paper label: "1-2 Doz. No. 80. SUPERIOR CAST STEEL BITS JENNINGS'
PATTERN Manufactured by THE JAMES SWAN COMPANY, Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/40408dtm9p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

40408DTM7 Box of six ship auger drill bits

DTM MH

Cast steel with wooden box, 8" long, 1/2" diameter bits, signed "THE JAMES SWAN Co. SEYMOUR CT" on the bits.
The wooden dovetailed box reads on a RED paper label: "1-2 Doz. No. 30 4-8 SWAN'S SHIP AUGER BITS. (FINEST
HAMMERED STEEL) Manufactured by THE JAMES SWAN CO."

<http://www.davistownmuseum.org/pics/40408dtm7p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

40408DTM8 Box of six ship auger drill bits

DTM MH

Cast steel with cardboard box, 9 1/8" long, 5/8" diameter bits, signed "THE JAMES SWAN Co." AND "SEYMOUR CONN USA"
with their trademark on the bits.
The wooden dovetailed box reads on a red paper label: "1-2 Doz. No. 30 5-8 SWAN'S SHIP AUGER BITS (FINEST HAMMERED
STEEL) WITH SCREW Manufactured by THE JAMES SWAN CO. Seymour, Conn., U.S.A."

<http://www.davistownmuseum.org/pics/40408dtm8p1.jpg>
<http://www.davistownmuseum.org/bioSwan.html>

101909T3 Box of six ship auger drill bits

DTM MH

Cast steel and cardboard box, 7 3/4" long, 7/16" diameter bits, signed "THE JAMES SWAN Co." and "SEYMOUR, CONN. U.S.A."
with their trademark on the bits.
The box is also marked "7/16 1-2 Doz. No. 40 Auger Bits The James Swan Co. Seymour, Conn." This lot was part of a stash
located by the Liberty Tool Co. in a Boston hardware store and probably were made around 1930. All the James Swan tools in the
museum collection were obtained from this lot.

<http://www.davistownmuseum.org/bioSwan.html>

101909T2 Box of ten ship auger drill bits

DTM MH

Cast steel, 7 3/4" long, 1/2" diameter bits, signed "MADE IN GERMANY" on the base and "Jrwin - Schlagenbohrer 10 Stck. M 328
8/16" on the box.
The mark on the bits is identical to the mark on some bits in this collection that are also marked with the James Swan logo.

<http://www.davistownmuseum.org/bioSwan.html>

31011T5 Box scraper

DTM TT

Drop-forged tempered alloy steel with wood grip, 10 1/2" long, 5" wide, 3" high, 5" blade, unsigned.
It has an adjustable blade. It is used to remove paper labels from wooden boxes.

81602T18 Box scraper

DTM MH

Cast iron with steel blades and brass adjustment nut, 9 7/8" long, 3" wide, 2 1/2" wide blades, signed on nut "Holmes PATENT
May 6 1868".
Many Holmes are listed in DATM (Nelson 1999, 392) but none with this patent date or listed as making box scrapers. This is an
early form of this tool. It could be Elijah Holmes of Lynn, MA.

52603T26 Brick chisel

DTM MH

Drop-forged iron or steel, 11 3/16" long, 3" wide head, signed "C. S. OSBORNE & CO".

<http://www.davistownmuseum.org/bioOsborne.html>

22612T3 Cabinet scraper

DTM TT

Cast steel blade, cast bronze body, malleable iron cap, 10" long, 2" long blade, signed "TORRTS" owners' mark.
This tool is hand-forged and typical in design and materials of scrapers that were made as early as the Roman empire. The
British Museum has a similar specimen, date unknown.

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Woodworking: Edge
Tools - American Made
Cast Steel

- 31908T28 **Carving chisel** DTM MH
Steel, brass trim, and wood, signed "C. MAIERS" and two stars.
DATM (Nelson 1999, 504) lists C. Maiers as making chisels with no date or location.
- 33002T14 **Chisel** DTM TT
Hardened tool steel with wood handle, 7 3/4" long, 3 3/4" handle, 15/16" wide blade, signed "Hardened tool steel _____ MADE IN USA", c. 1900 (?).
This is a generic early 20th century tool.
- 31811T31 **Chisel** DTM TT
Cast steel (?), 9 1/2" long, 1 1/2" wide, signed "BY" " _____ HARDWARE CO" and " _____ CONN".
The marks are very worn and difficult to read. This chisel is broken. It has been saved to study its microstructure.
- 3312T10 **Chisel** DTM TT
Cast steel, 13 1/2" long, signed "INo/ CUTLER" "CAST STEEL" and a stamped crest with "V" on the left side, "R" on the other side.
It has a tang type shank. Courtesy of Liberty Tool Co.
- 30911T8 **Chisel** DTM TT
Cast steel with wood handle, 13" long, 7/8" wide and 6" long blade, signed "CHARLES BUCK" "CAST" "STEEL".
<http://www.davistownmuseum.org/bioBuckBrothers.html>
- 93011T7 **Chisel** DTM TT
Forged iron, cast steel, and wood, 15 1/2" long, 1 1/2" wide, signed "UNDERHILL" "EDGE TOOL CO" "WARRENTED" "CAST-STEEL".
It is used for woodworking.
<http://www.davistownmuseum.org/bio#bioUnderhill.html>
- 93011T17 **Chisel** DTM TT
Cast steel with a broken wooden handle, 7" long, 1/4" wide blade, signed "RUBBARD Y____".
It is used for working with wood. Could this be Hubbard Hardware Company of Middletown CT, which used the mark "HUBBARD H. W. CO." and made chisels?
- 041709T3 **Chisel** DTM MH
Tool steel, 13 1/4" long, 2" wide, 5/16" thick, signed "THE JAMES SWAN CO" "SEYMOUR, CT. U.S.A." "DOUGLASS MFG. Co", 1859 - 1877.
This chisel is double marked with both Charles Douglass and James Swan's marks. Douglass was operating in Seymour from 1859 to 1877 when Swan bought him out.
<http://www.davistownmuseum.org/bio#bioSwan.html>
- 041709T2 **Chisel** DTM MH
Tool steel, 12 1/4" long, 1 3/4" wide, 1/4" thick, signed "THE JAMES SWAN CO" "SEYMOUR, CT. U.S.A." "DOUGLASS MFG. Co", 1859 - 1877.
This chisel is double marked with both Charles Douglass and James Swan's marks. Douglass was operating in Seymour from 1859 to 1877 when Swan bought him out.
<http://www.davistownmuseum.org/bio#bioSwan.html>
- 52603T14 **Chisel** DTM MH
Tool steel, signed "TOOL STEEL" "MADE IN USA" "HARDENED AND GROUND".
- 31808SLP16 **Corner chisel** DTM TT
11 1/4" long, 1 1/4" wide blade, signed "WITHERBY".
<http://www.davistownmuseum.org/pics/31808slp16-3.jpg>
<http://www.davistownmuseum.org/bioWitherby.html>
- 22411T5 **Drawknife** DTM TT
Drop-forged iron and steel with wooden handles, 17" long, 6 1/2" wide, 11" long blade, unsigned.
This drawknife has a slightly concave blade.

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Woodworking: Edge
Tools - American Made
Cast Steel

- 22411T15 **Drawknife** DTM TT
Drop-forged iron and cast steel (?), steel ferrules, and wooden handles, 12" long, 6" wide and 6" long blade, 6" long handles, signed "HART M____".
Some of the signature is obscured. DATM (Nelson 1999) lists a Hart Mfg. Co. as a maker of drawknives but has no other information on it.
- 22311T16 **Drawknife** DTM TT
Drop-forged iron and steel with a wood handle, 12" long, 6" long blade, unsigned.
This drawknife is factory-made. Part of the Robert Sullivan Collection donation.
- TTDA3000 **Drawknife** DTM MH
Cast steel and wood, 18" long with a 12 1/2" blade, signed "TINKHAM & CUMMINGS WARRANTED CAST STEEL" with a very unusual eagle and flag touchmark.
<http://www.davistownmuseum.org/pics/TTDA3000.jpg>
<http://www.davistownmuseum.org/bioTinkham.htm>
- 31811T2 **Drawknife** DTM TT
Drop-forged iron and steel, 19" long, 4 3/4" wide, 12" long by 1 5/8" wide blade, signed "B GORDON".
B. Gordon looks like an owner's stamp. The wooden handles are missing.
- 31808SLP17 **Drawshave** DTM TT
Steel and wood painted black, 9 3/4" long, 4" long blade, signed "C. E. JENNINGS" "MADE IN USA" with a "J" in a triangle.
Charles E. Jennings is believed to have possibly worked under his own name for a few years before adding "& Co." in 1878. The company headquarters was located in New York City (DATM 1999).
<http://www.davistownmuseum.org/pics/31808slp17-1.jpg>
<http://www.davistownmuseum.org/bioJennings.html>
- 31808SLP6 **Drawshave** DTM TT
Steel and wood, 15 1/4" long, 10" long blade, signed "WITHERBY" and "10".
<http://www.davistownmuseum.org/pics/31808slp6-2.jpg>
<http://www.davistownmuseum.org/bioWitherby.html>
- 3312T8 **Firmer chisel** DTM TT
Cast steel, aluminum ferrule, wood, 8 1/2" long, 7/8" wide, signed "E. PARKER, CAST STEEL 3709".
DATM (Nelson 1999, 600) lists E. Parker as a chisel maker with no other information. Courtesy of Liberty Tool Co.
- 42904T1 **Framing chisel** DTM MH
Cast steel and iron ferrule, 12 1/8" long, 2" wide, 4 1/2" long handle, signed "T. H. WITHERBY".
<http://www.davistownmuseum.org/bioWitherby.html>
- 51606T4 **Framing chisel** DTM MH
Fully martinitized cast steel, 16 3/8" long with a 4" wooden handle, 1 3/4" wide, signed "BIGELOW & DOWSE" "BOSTON".
Clarence Blanchard of the Fine Tool Journal thinks this mark is that of a hardware store in which case this tool would have been made by a New England edge toolmaker (e.g. Underhill or Witherby) and then sold to this hardware company for resale. A poster for Worth Tools was for sale on eBay that came in an envelope marked Bigelow & Dowse Company, Boston & Springfield Mass. The company published a hardware catalog in 1906 and is referenced importing nails in 1896. The book "Geneology of the Bigelow Family" lists Samuel A. Bigelow (b. 1838) as a senior member of the firm Bigelow & Dowse. This company also sold bicycles. DATM (Nelson 1999, 503) reports that Bigelow & Dowse marked metal planes with the brand name "Worth" circa 1925-45. More information on this company and touchmark is solicited.
http://www.davistownmuseum.org/pics/51606t4_p3.jpg
http://www.davistownmuseum.org/pics/51606t4_p4.jpg
- 51606T3 **Framing chisel** DTM MH
Fully martinitized cast steel, 16 1/4" long including a 4 1/2" handle, 1 3/8" wide, signed HART MFG CO..
Three Hart Mfg. Companies are listed in DATM (Nelson 1999); the only edge toolmaker (drawknives) is listed without a known location. More information on this maker is sought.
http://www.davistownmuseum.org/pics/51606t3_p1.jpg

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- 93011T14 **Gouge** DTM MH
Drop-forged iron and steel and wooden handle, signed "HIBARD SPENCER" "& CO WINOOKS".
The last part of the signature (WINOOKS) is difficult to read. In 1865 - 1871 there was a hardware company called Hibbard, Spencer & Co. at 92-94 Michigan Ave. in Chicago. After the Chicago fire it relocated and in 1882 became HSB (Hibbard, Spencer, Bartlett & Co.) (<http://www.thckk.org/history/hsb.pdf>)
- 93011T13 **Gouge** DTM MH
Cast steel and wood, 14" long, 1 1/2" wide blade, signed "BUCK BROS" "CAST" and owner's mark "EWEEK".
<http://www.davistownmuseum.org/bioBuckBrothers.html>
- 31311T12 **Gouge** DTM TT
Cast steel, steel ferrules, and wood handle, 17 " long, 11" long and 1" wide blade, 6" long handle, unsigned.
- 42904T2 **Gouge** DTM MH
Cast steel, brass ferrule, wooden handle, 5 3/4" long with additional 5 7/8" handle, 1" wide, signed "BUCK BROS" "CAST STEEL" with a buck touchmark.
<http://www.davistownmuseum.org/bioBuckBrothers.html>
- 31311T6 **Gouge** DTM TT
Cast steel with wood handle, 8" long, 1 1/8" wide and 5" long blade, 3" long handle, signed "GORFIELD" "CAST STEEL".
- 111711T1 **Lipped adz** DTM MH
Cast steel with wooden handle, 7 3/8" long, 4 1/2" wide cutting edge, 27 1/2" long handle, signed "STINSON", second line is obscured.
The "Registry of Maine Toolmakers" (Brack 2008) lists three Maine Stinsons: John F. Stinson worked in Bath in 1869, J.F. Stinson worked in Springfield from 1879-1882, and R.G. Stinson worked in Bath from 1874 - 1879. All of them made axes and edge tools.
- 22512T12 **Mortising chisel** DTM TT
Cast steel, wood handle, 13" long, 1/2" wide blade, signed "H.T BLODGET" "CAST STEEL" and "TBF" owner's mark.
DATM (Nelson 1999) lists a number of Blodgett companies and toolmakers but none with a spelling of one "T" or these initials. This tool is donated by Liberty Tool Co.
- 31501T4 **Peen adz** DTM MH
Cast steel, 33" long, 4 3/4" wide blade, signed "A DRAUDAY" or "A DRAUBAY" "PAT JUNE 8, 1875" (?).
No such maker is listed in DATM (Nelson 1999). This adz has a very distinctive fitted peen and handle ferrule. The ferrule attachment, which protects the wooden handle, is 8" long and is fitted over the adz peen. The patent was assigned to John Pinkerton of Philadelphia
(<http://www.google.com/patents?id=2hhEAAAEB&pg=PA2&dq=june+8+1875+adz&hl=en&sa=X&ei=4W-QT6-YCab06QHDhpCoBA&ved=0CDIQ6AEwAA#v=onepage&q=june%208%201875%20adz&f=false>).
- 31212T13 **Socket chisel** DTM TT
Cast steel, 9 3/4" long, 1" wide blade, signed "A.G. PAGE CAST STEEL".
This is the Page from Page, Whitman & Co. It was made sometime before 1959. Courtesy of Liberty Tool Co.
- 71401T20 **Socket chisel** DTM MH
Cast steel, wood, and brass, 8 3/4" long, 9 1/2" blade, signed "Charles Buck".
This is an excellent example of the craft of one of New England's foremost edge toolmakers.
<http://www.davistownmuseum.org/bioBuckBrothers.html>
- 62202T4 **Socket chisel** DTM MH
Cast steel with wooden handle, 13" long including a 4 5/8" long handle, signed "Bailey" and "SAG HARBOR TOOL CO".
DATM (Nelson 1999) notes W. C. Bailey as manufacturing chisels and drawknives in Sag Harbor, NY, c. 1896. See the other listing of a Bailey socket chisel for more information.
http://www.davistownmuseum.org/pics/62202t4_p1.jpg
http://www.davistownmuseum.org/pics/62202t4_p2.jpg

030910T1 Socket chisel

DTM MH

Drop-forged iron and steel, 11" long, 1 1/2" wide, signed "W. C. BAILEY" and "SAG HARBOR TOOL Co.".

The book "Sag Harbor - The Story of an American Beauty" by Dorothy Ingersoll Zaykowski states "In the Spring of 1892 Mr. Bailey of Southington, Connecticut showed an interest in starting a cut tool factory in Sag Harbor. He met with village officials and proposed to subscribe \$1000 and run the business for three years, asking no profit until the 8% per annum was paid to the stockholders. Bailey was notified that his offer was acceptable. Additional capital of \$17,000 had to be raised and the enthusiasm was so great that within two weeks half of the money had been collected. By-laws were adopted and officers elected: George C. Gibbs, President; George C. Raymond, vice-president, George Kiernan, secretary and treasurer; and C.A. Parsons, J.M. Hildreth, B. Lyon and Charles Watson Payne, directors. The first floor of the old mill property was rented for five years at \$500 per year. For the first four years the tool company grew and prospered. An order for 700 dozen chisels from a Philadelphia company was filled. The company prided itself on being the only tool factory that stayed in operation during the hard times of 1895. Unfortunately the situation was not to last, for in July 1896 the factory closed its doors and remained shut until May 1897 when Superintendent Bailey bought all the stock of the company and completed manufacturing tools that had been left unfinished when the plant closed." This is the museum's second chisel with this mark.

<http://www.davistownmuseum.org/pics/030910t1web4.jpg>

<http://www.davistownmuseum.org/pics/030910t1web3.jpg>

32808DTM21 Socketed firmer chisel

DTM MH

Cast steel, 9" long, 5/8" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark.

<http://www.davistownmuseum.org/bioSwan.html>

40408DTM5 Socketed framing chisel

DTM MH

Cast steel, 10" long, 1 3/4" wide, signed "THE JAMES SWAN CO. SEYMOUR, CONN. U.S.A.".

<http://www.davistownmuseum.org/pics/40408dtm5p1.jpg>

<http://www.davistownmuseum.org/bioSwan.html>

40408DTM2 Socketed inside bevel gouge chisel

DTM MH

Cast steel, 9 1/4" long, 1 1/4" wide, signed "JAS. SWAN CO. U.S.A.".

<http://www.davistownmuseum.org/pics/40408dtm2p1.jpg>

<http://www.davistownmuseum.org/bioSwan.html>

40408DTM1 Socketed inside bevel gouge chisel

DTM MH

Cast steel, 9 5/8" long, 1 1/2" wide, signed "JAS. SWAN CO. U.S.A.".

<http://www.davistownmuseum.org/pics/40408dtm1p3.jpg>

<http://www.davistownmuseum.org/bioSwan.html>

101909T1 Socketed paring chisel

DTM MH

Tool steel, 11" long, 5/8" wide, signed "THE JAMES SWAN CO".

<http://www.davistownmuseum.org/bioSwan.html>

22211T30 Spokeshave

DTM TT

Drop-forged tempered alloy steel, steel blade, signed "No 45" on body, "STANLEY" on the plane blade, and "MADE IN USA" on the handle.

Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioStanley.html>

41308DTM3 Tanged firmer chisel

DTM MH

Cast steel, 8 7/8" long, 3/8" wide, signed "THE JAMES SWAN CO USA".

<http://www.davistownmuseum.org/bioSwan.html>

32808DTM22 Tanged gouge

DTM MH

Cast steel, 10" long, 1/4" wide, signed "THE JAMES SWAN Co.".

<http://www.davistownmuseum.org/bioSwan.html>

32808DTM16 Tanged gouge

DTM MH

Cast steel, 9 1/8" long, 9/16" wide, signed "JAS. SWAN Co. U.S.A.".

<http://www.davistownmuseum.org/bioSwan.html>

32808DTM15 Tanged gouge

DTM MH

Cast steel, 9 7/8" long, 3/4" wide, signed "JAS. SWAN Co. U.S.A.".

<http://www.davistownmuseum.org/bioSwan.html>

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32808DTM1	Tanged inside bevel edge gouge chisel	DTM	MH
	Cast steel, 9 1/2" long, 1 1/4" wide, signed "THE JAMES SWAN CO." http://www.davistownmuseum.org/bioSwan.html		
32808DTM13	Tanged inside bevel edge gouge chisel	DTM	MH
	Cast steel, 9 1/4" long, 1 1/2" wide, signed "THE JAMES SWAN CO. U.S.A." http://www.davistownmuseum.org/bioSwan.html		
41308DTM4	Tanged mortise chisel	DTM	MH
	Cast steel, 7 1/2" long, 1/8" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark. http://www.davistownmuseum.org/bioSwan.html		
32808DTM12	Tanged mortise chisel	DTM	MH
	Cast steel, 9 3/4" long, 1/8" wide, signed "THE JAMES SWAN Co." and "WARRANTED" with their trademark. http://www.davistownmuseum.org/bioSwan.html		
41308DTM2	Tanged mortise chisel	DTM	MH
	Cast steel, 9 1/2" long, 1/8" wide, signed "THE JAMES SWAN CO." http://www.davistownmuseum.org/bioSwan.html		
32808DTM14	Tanged outside bevel curve edge gouge chisel	DTM	MH
	Cast steel, 11" long, 1 3/8" wide, signed "THE JAS. SWAN CO. U.S.A." http://www.davistownmuseum.org/bioSwan.html		
32808DTM19	Tanged outside bevel edge slick chisel	DTM	MH
	Cast steel, 7 1/2" long, 3/4" wide, signed "THE JAMES SWAN CO. U.S.A." http://www.davistownmuseum.org/bioSwan.html		
40408DTM12	Tanged outside bevel edge slick chisel	DTM	MH
	Cast steel, 8 1/4" long, 1" wide, signed "THE JAMES SWAN CO. U.S.A." http://www.davistownmuseum.org/pics/40408dtm12p2.jpg http://www.davistownmuseum.org/bioSwan.html		
32808DTM18	Tanged paring chisel	DTM	MH
	Cast steel, 7 3/4" long, 1/2" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark. http://www.davistownmuseum.org/bioSwan.html		
41308DTM1	Tanged paring chisel	DTM	MH
	Cast steel, 7" long, 7/16" wide, signed "THE JAMES SWAN Co." and "BEST TOOL STEEL" with their trademark. http://www.davistownmuseum.org/bioSwan.html		
41308DTM7	Tanged paring chisel	DTM	MH
	Cast steel, 7 1/2" long, 3/8" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark. http://www.davistownmuseum.org/bioSwan.html		
41308DTM5	Tanged paring chisel	DTM	MH
	Cast steel, 7 1/4" long, 7/16" wide, signed "THE JAMES SWAN Co." and "BEST TOOL STEEL" with their trademark. http://www.davistownmuseum.org/bioSwan.html		
32808DTM8	Tanged skewed turning chisel	DTM	MH
	Cast steel, 9 1/2" long, 1 1/16" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark. http://www.davistownmuseum.org/bioSwan.html		
32808DTM7	Tanged skewed turning chisel	DTM	MH
	Cast steel, 10 3/4" long, 3/4" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark. http://www.davistownmuseum.org/bioSwan.html		

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41308DTM6 **Tanged slick chisel** DTM MH

Cast steel, 7 1/4" long, 1/2" wide, signed "THE JAMES SWAN Co." and "SEYMOUR CONN. U.S.A." with their trademark.

<http://www.davistownmuseum.org/bioSwan.html>

32808DTM3 **Tanged timber framing chisel** DTM MH

Cast steel, 9 3/4" long, 1 3/4" wide, signed "THE JAMES SWAN CO. BEST TOOL STEEL" with a swan touchmark.

<http://www.davistownmuseum.org/bioSwan.html>

30911T3 **Tapered reamer** DTM TT

Tempered alloy steel, 4 1/2" long, 9/16" wide, signed "REIFF & NESTOR CO" "LYKENS, PA U.S.A.".

This reamer is used in a brace. The Reiff & Nestor Company began in 1912 and is still in existence today <http://www.rntap.com/>.

113004T1 **Timber framers' socket chisel** DTM UNK

Weld steel and iron, 11 3/8" long, 1" wide, signed "C. A. WILLIAMS & CO" "CAST STEEL".

The Williams family were Skowhegan, Maine, edge toolmakers working after the Civil War. This chisel appears to be of welded cast steel construction where the cast steel edge is welded onto the iron handle portion.

<http://www.davistownmuseum.org/publications/volume10.html>

Woodworking: Edge Tools - Forged

3312T13 **Adz** DTM TT

Malleable iron, forged steel tip, wooden handle, 8" long, 1 3/4" wide blade, unsigned.

This commonplace contemporary tool was purchased in a Nairobi, Kenya fleamarket and donated to the museum by Judith Bradshaw Brown. It's curved handle form is from natural tree growth.

22612T4 **Chisel** DTM TT

Forged cast steel, 12" long with 8" long and 11/16" wide blade, 4" long handle, unsigned.

3312T9 **Chisel** DTM TT

Forged steel and iron, wooden handle, 12" long, signed "W.GRAVES & SONS" "SCMSAFWORKS" "ELECTRO" "EDRACIL" and "STEEL".

Some of the marks are hard to make out. This appears to be a late 19th century example of steel produced in the electric arc furnace. Courtesy of Liberty Tool Co.

41302T4 **Chisel** DTM MH

Steel with wood handle, 8 3/4" long, 4 3/4" long blade, 1/2" wide, signed "Peugeot Frère" with a cartouche of a hand, probably c. 1900 - 1920.

This French chisel is a reminder that not all edge tools in American carpenters' tool chests were made in England or America.

101701T14 **Cold chisel** DTM MH

Drop-forged steel, 5 3/16" long, signed "Miller's Falls Co Made in USA. No 1190".

Miller's Falls merged with Godell Pratt Co. in 1931 but retained their own name on some tools (Nelson 1999, 544).

<http://www.davistownmuseum.org/bioMillersFalls.htm>

110611T2 **Common shave** DTM TT

Wood (ash) handle, forge welded steel blade, and iron handles, 14" long cuttin edge, 5" long handles, signed "T.H. WITHERBY" and "T. ERSKINE" owners mark.

This drawshave has a distinct forged steel and malleable iron interface. It is a good classroom specimen.

<http://www.davistownmuseum.org/bioWitherby.html>

92911T11 **Crowbar** DTM MH

Handmade from rebar stock, 22" long, 3/4" diameter, unsigned.

22411T16 **Drawknife** DTM TT

Forged steel, brass ferrules, and wooden handles, 8" long, 4" wide, 5" blade, unsigned.

It is hand-forged from an old file.

22512T6 **Drawknife** DTM TT

Drop-forged steel, 19" long, 12" long blade, unsigned.

The blade is curved. This tool is donated by Liberty Tool Co.

22311T18	Drawknife	DTM	TT
<p>Forged wrought iron and steel with a wood handle, 18 1/2" long, 12 1/2" long blade, unsigned. This drawknife is handmade and hand-forged with a steel cutting edge. Part of the Robert Sullivan Collection donation.</p>			
41302T2	Drawknife	DTM	MH
<p>Forged steel and iron with wood handles, 19" long, 12 5/8" blade, signed "L. Palmer". This maker is not listed in DATM (Nelson 1999). This tool is a nice example of a finely forged 20th century drawknife with a distinct welded steel blade and modern appearing handle attached by threaded bolts and nuts. It serves as a reminder that 20th century craftsmen can still fashion a drawknife the old fashioned way.</p>			
31908T34	Drawshave	DTM	MH
<p>Steel and wood, 5 1/2" long blade, 13" wide, signed "PEUGEOT FRERES" "TOUT ACIER FONDU ANGLAIS".</p>			
22612T5	Expansive wood bit	DTM	TT
<p>Drop-forged steel, vinyl case with printed instructions, 7" long, 2 sizes of bits, small from 5/8" to 1", large 1" to 1 3/4", signed "IRWIN No 21A US of A". These were manufactured around the 1980s; courtesy of Liberty Tool Co.</p>			
111209T1	Framing chisel	DTM	MH
<p>Tool steel and white oak, 17 1/4" long, 1 1/2" cutting edge, signed "BARR" with a bear trademark. Barr Specialty Tools of McCall, Idaho (www.barrtools.com) is a contemporary toolmaker. This chisel is hand-forged with a wooden handle. It is used by timber framers for mortise and tenon work.</p>			
31808SLP20	Froe	DTM	TT
<p>Iron and wood, 13" long blade, 15 1/2" long handle, unsigned. http://www.davistownmuseum.org/pics/31808slp20-1.jpg</p>			
22411T13	Pinch dog	DTM	TT
<p>Forged malleable iron, 5" long, 3 1/4" wide, signed "F C RAND" possibly an owner's mark. This dog has three points. Pinch dogs are used like clamps to draw two pieces of wood together for glueing.</p>			
31112T7	Plugging chisel	DTM	TT-D30
<p>Drop-forged steel, 5 3/4" long, 1/4" wide cutting edge, signed "C. DREW & CO.". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm</p>			
31112T13	Round nose chisel	DTM	TT-D30
<p>Drop-forged steel, 4 5/8" long, 3/8" wide cutting edge, signed "DREW-2302-1/8". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm</p>			
31112T14	Round nose chisel	DTM	TT-D30
<p>Drop-forged steel, 8 1/8" long, 3/8" wide cutting edge, signed "C. DREW & CO.". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm</p>			
31112T12	Round nose chisel	DTM	TT-D30
<p>Drop-forged steel, 4 1/2" long, 3/8" wide cutting edge, signed "DREW-230-D.T.". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm</p>			
22411T12	Scraper	DTM	TT
<p>Forged malleable iron, 12" long, 5 1/2" wide, 3 3/4" deep, unsigned. This may have been used as a chicken coop scraper. It is hand-forged and hand riveted.</p>			
021812T5	Scraper	DTM	TT
<p>Drop-forged steel, wooden handle, 12" long, 2 1/4" edge, 9" long handle, unsigned. This is a paint scraper that was commonly used in the early 20th century. The handle has a ball end.</p>			

21812LTC4 Sheet metal crimper

DA DA

Drop-forged steel, rosewood grip, 8 1/2" long, 4" deep, 7 1/4" wide, 7" long handle, signed "No 545 SMALL TURNING" "707" "708".

This item is courtesy of the Liberty Tool Company.

120907T1 Slick

DTM TT

Steel, iron, and wood, unsigned.

There is a clear suggestion of either a welded steel-iron interface or differential tempering. The iron shaft is probably low-carbon steel and shows signs of forge welding.

<http://www.davistownmuseum.org/pics/120907t1.jpg>

121805T15 Socket chisel

DTM MH

Forged-welded German steel, 9 1/2" long, 1 1/2" wide, signed "HR 1861" with three trademarks and a fleur de lis.

There are signs of hand-filing but no evidence of steeling - uniform microstructure throughout the tool and socket. Possibly it is made of puddled steel.

http://www.davistownmuseum.org/pics/121805t15_p2.jpg

913108T18 Socket chisel

DTM MH

Steel and iron with a clearly laminated steel base, 10 1/2" long including an 8" long blade, signed "G. S. WILDER".

According to DATM (Nelson 1999, 860), George Sheldon Wilder worked with his uncle Pliny Merrill as Merrill & Wilder (c. 1860), then was part of Wilder & Thompson (c. 1868), and Wilder & Hopkins (1870-73). He also worked alone and sold his business to the Jennings & Griffin Mfg. Co. in 1883 and worked for them. C. E. Jennings used his name on tools until 1901.

913108T13 Spokeshave

DTM MH

Steel and boxwood, 9 1/2" long, 2 3/4" long blade, signed "JOHN BOOTH & SON" and "PHILA".

This prominent company was in Philadelphia, Pennsylvania, from 1874 to 1890, where they made edge tools, bits, and braces (Nelson 1999). This spokeshave is made in the English style.

31112T4 Stone chisel

DTM TT

Drop-forged iron or steel, 6 1/2" long, signed "VAUGHAN & BUSHNELL MFG Co." "AL-O-ITE".

This company made various hand tools in Chicago and Hebron, IL, from 1873 to 1994. Courtesy of Liberty Tool Co.

31112T8 Stone chisel

DTM TT-D30

Drop-forged steel, 7 1/8" long, 7/8" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T11 Stone chisel

DTM TT-D30

Drop-forged steel, 5 5/8" long, 1/2" wide cutting edge, signed "2173 C. DREW Kingston, MA".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T10 Stone chisel

DTM TT-D30

Drop-forged steel, 5 5/8" long, 1/2" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T17 Stone chisel

DTM TT-D30

Drop-forged steel, 6 7/8" long, 2 7/8" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T9 Stone chisel

DTM TT-D30

Drop-forged steel, 6 1/2" long, 1/2" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T5 Stone cutter or splitter

DTM TT-D30

Drop-forged steel, 7 1/4" long, 1/2" wide cutting edge, signed "C. DREW & CO.".

Drew is not well known as a producer of stone-working tools. These are probably from around 1950 when Drew expanded into modern style tools such as cat's paws. Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T6 Stone cutter or splitter

DTM TT-D30

Drop-forged steel, 6 1/4" long, 3/8" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

6204T5 Tang chisel

DTM MH

Iron and steel with a wood handle, 14" long including 7 3/8" long chisel and 6 5/8" long handle, signed "A MAHANT GARANTIE".

This is a typical late 19th century edge tool made in France using German steel, i.e. the continental method of fining cast iron.

30911T6 Tapered reamer

DTM TT

Reforged steel, 15" long, 8" blade, unsigned.

This convex-shaped reamer is handmade from a file.

22311T4 Veining tool

DTM TT

Walnut and drop-forged tempered alloy steel, 9" long, 1 1/2" wide, 1 1/8" deep, unsigned.

The steel cutter is probably factory-made. It has a homemade wooden holder. Veining tools have the smallest sizes of straight gouges, with narrow yet deep "U" shaped cutting edges designed for roughing-out, and grooving small lines or areas. Part of the Robert Sullivan Collection donation.

31112T15 Wood chisel

DTM TT-D30

Drop-forged tool steel, 7 1/4" long, 5/8" wide cutting edge, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T16 Wood chisel

DTM TT-D30

Drop-forged tool steel, 8 1/4" long, 3/4" wide blade, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T19 Wood chisel

DTM TT-D30

Drop-forged steel, plastic handle, 9 1/4" long, 1" wide blade, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

31112T18 Wood chisel

DTM TT-D30

Drop-forged steel, plastic handle, 7 1/2" long, 3/4" wide blade, signed "C. DREW & CO.".

Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioDrew.htm>

Woodworking: Edge Tools - Imported English Cast Steel

090109T4 Chisel

DTM MH

Cast steel, brass, and wood, 11 1/2" long including a 5 1/2" long handle, 1 1/4" wide cutting edge, signed "J.B. ADDIS & SONS", "ARCTIC WORKS", and "SHEFFIELD" on one side; "9PRIZE MEDALS" and "61 & 62" on the other.

By 1872 "James Bacon was articulating in advertisements

that the only true Addis-made carving tools carried the 'J. B. Addis & Sons' brand. Ads from this period state the valid imprints on tools and enable us to date many of the J. B. Addis tools made after 1872. The Hawley Collection lists 1874 as the most likely date for a split between James Bacon Addis and Ward & Payne. The company was still working at the Arctic Works at least past 1881...The principles of J. B. Addis & Sons were listed as James Bacon Addis, James Bacon Addis, Jr., and George Allkins Addis." (http://swingleydev.com/archive/get.php?message_id=157681).

51606T15 Chisel

DTM MH

Cast steel and a brass ferrule, 1 1/4" long including a 5 1/4" long handle, signed "BOB SORBY SHEFFIELD" with two cartouches on one side and "CAST STEEL" on the other.

This is a typical late 19th century imported English edge tool by one of England's major toolmakers.

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Woodworking: Edge
Tools - Imported English
Cast Steel

091309T2 Chisel set (3)

DTM MH

Steel and wood, signed "F. Stones".

1) 11 3/4" long, 1" wide, 3/16" cutting edge; 2) 12" long, 1 1/4" wide, 1/4" cutting edge; 3) 12 1/2" long, 1 1/2" wide, 5/16" cutting edge.

42904T5 Gouge

DTM MH

Cast steel, wood, brass, 8 1/2" long including a 4 1/8" wooden handle with brass ferrule, signed "H. TAYLOR" "SHEFFIELD" "9" on the front and "MADE IN ENGLAND" on the back.

93011T12 Nippers

DTM MH

Drop-forged malleable iron and steel, 10 3/4" long, signed "N. S. NENBOOES" "SHEFFIELD".

The signature is difficult to read.

31212T8 Paring chisel

DTM TT

Cast steel, hardwood handle, 8 1/4" long, 1/4" wide edge, signed "BARTON BROS. SHEFFIELD CARBONIZED CAST STEEL".
Courtesy of Liberty Tool Co.

121805T19 Tang chisel

DTM MH

Cast steel, wood, and brass ferrule, 4 5/8" long with a 5" handle, signed "J. N. Cutler" and "Electric cast steel" and a pioneer on the reverse with "TM", c. 1890 (?).

Not listed in DATM (Nelson 1999), Cutler is probably a Sheffield manufacturer and possibly one of the first edge toolmakers using electric steeling technology?

http://www.davistownmuseum.org/pics/121805t19_p2.jpg

Woodworking: Edge Tools Made in Maine

22411T6 Drawknife

DTM TT

Forged wrought iron and steel, brass ferrules, and wooden handles, 13 1/2" long, 5" long handles, 7 1/2" long blade, signed "J. T. BUDGE".

This drawknife is handmade from an old file. Possibly Budge was the maker/owner. The Penobscot County ME Archives History - Businesses listings for Lee in 1883 has J. T. Budge as a blacksmith. The Maine Register of 1889 lists J. T. Budge & Son as blacksmiths in Lee, Maine.

TJC1001 Drawknife

DTM MH

Cast steel and wood, 14 1/4" long, 8 3/16" long blade, signed "L. WEBB BANGOR".

Probably it was made by Lester Webb, 1867-1871, who DATM (Nelson 1999) lists as having an association with Higgins and Webb.

<http://www.davistownmuseum.org/publications/volume10.html>

92901T1 Drawknife

DTM TT

steel, wood handle, 14" long, 8 3/4" blade, signed "L Webb Bangor".

This drawknife is an especially interesting example of a drop-forged steel tool that is the product of a sophisticated factory system where machine work replaces hand work. It has an unusually elegantly shaped cutting surface. A gift to The Davistown Museum from Rick Floyd.

http://www.davistownmuseum.org/pics/92901t1_p1.jpg

<http://www.davistownmuseum.org/publications/volume10.html>

070705T2 Drawshave

DTM TB

Forged steel, possibly German steel with wooden handles, 15 3/4" long with 9 7/8" long cutting blade and 5" long handles long with 9 7/8" long cutting blade, signed "C. DAGGETT".

C. Daggett is listed in the 1879 Maine Business Directory as an ax maker in Sherman, Maine.

71903T5 Drawshave

DTM MH

Weld steel, 16 1/4" wide, 10 3/8" long blade, signed "I Haskell".

It was made by Isaac Haskell of Garland, Maine. This tool has the appearance of being made of cast steel, but the back of the shave shows clear evidence of a weld steel cutting edge. Haskell was a blacksmith who also made tools. This may be the only known shave by this maker, as this is a previously unrecorded maker's mark. It was donated to The Davistown Museum by Rick Floyd.

http://www.davistownmuseum.org/pics/71903t5_p3.jpg

<http://www.davistownmuseum.org/publications/volume10.html>

121311T3 Ships' adz

DTM TT

Forged iron, steel, and wood, 2' long curved wood handle, 4 3/4" long edge, 2 1/2" long spike, signed "STINSON" and an indecipherable mark.

The shipbuilders' adz tapered spike is used to drive nails below the surface. J. F. Stinson worked in Bath, ME, 1869-1871. This is a good example of weld steeling.

Woodworking: Other Tools

5212LTC4 Archimedes drill

DA TT

Steel, 10 3/4" long, signed "PAT APP. FOR G.M. MFG. Co. INC. N.Y. CITY N.Y.". Courtesy of Liberty Tool Co.

22601T1 Bit brace

DTM MH

Cast steel, 12" high, 6 1/2" wide wheel, 1/4" chuck, signed "The Jacob Mfg Co. Hartford Conn USA" and "Patented Sept 16 1907". DATM (Nelson 1999) lists a Jacobs Mfg. Co. in Danielson CT, with no dates. This is an unusual bit brace with a very large wheel and a twisted stock. Possibly it is one-of-a-kind or a limited edition never seen before by the curator.

032203T12 Bit brace

DTM MH

Steel, brass, and wood, 14" long with a 5" swing, signed "The Davis Level & Tool Co Springfield Mass" "Pat April 17, 1883 Oct 14, 1884".

Davis Level & Tool Co. made levels, dividers, machinists, and other tools in Springfield, MA, from 1875 to 1892. Prior to 1875, their tools were marked "Davis Co." (1867 - 1875). These tools are considered among the finest produced by American toolmakers in the 19th century.

http://www.davistownmuseum.org/pics/032203t12_p2.jpg

<http://www.davistownmuseum.org/bioDavis.htm>

111001T10 Bit brace

DTM MH

Cast steel, brass, iron, and rosewood, 15 3/8" high, 7 1/2" swing, signed "Miller's Falls Mfg Co." on upper arm and "Pat'd Apr. 10 67 no 0".

DATM (Nelson 1999) lists Miller's Falls Mfg. Co. working from 1868 - 72 (formerly the Levi J. Gunn and Charles H. Amidon Co.) In 1872 they dropped the Mfg. to become Miller's Falls Co. (1872 - 1931). DATM also notes an 1877 patent hand brace for them but no 1867 brace. The patent date on this brace clearly states 67.

<http://www.davistownmuseum.org/bioMillersFalls.htm>

22311T6 Brace

DTM TT

Drop-forged steel with wooden handle and grip, 10 1/2" long, 4 1/2" wide, unsigned.

This brace has a 3/8" square lever style chuck. Part of the Robert Sullivan Collection donation.

22311T5 Brace

DTM TT

Drop-forged steel, 10 1/2" long, 6" wide, signed "SPOFFORD'S PAT." "MAR. 23. 80".

This is an all steel brace with a 3/8" square lever style chuck. The patent holder is Nelson Spofford of Haverhill, MA. Patent 225,768 is online at: <http://www.google.com/patents/about?id=PV1kAAAAEBAJ&dq=SPOFFORD+Mar+23+1880>. Part of the Robert Sullivan Collection donation.

3312T5 Cabinet-makers' screwdriver

DTM TT

Cast steel, copper ferrule, wood, 11 3/4" long, signed "W.E. THAYER" "CAST STEEL".

DATM (Nelson 1999) lists William E. Thayer as a maker of screwdrivers in Williamsburg, MA, from 1870 - 1883. Courtesy of Liberty Tool Co.

3312T15 Cabinet-makers' screwdriver

DTM TT

Cast steel, wooden handle, 12" long, signed "MATHIESON & SON" "GLASGOW" with a stamped crescent moon with star within; also owner's mark "H.D.J.".

Courtesy of Liberty Tool Co.

31212T2 Carpenters' multitool handle

DTM TT

Nickel plated steel, cocobolo wood handle, 6" long, signed "MILLERS FALLS CO. MILLERS FALLS MASS.".

This pocket sized tool handle is hollow with a threaded wooden butt cap that houses six different tools which can be fitted into the chuck, including a chisel, various screwdrivers, and a saw. Courtesy of Liberty Tool Co.

<http://www.davistownmuseum.org/bioMillersFalls.htm>

		Status	Location
31112T22	Cat's paw	DTM	TT-D30
Drop-forged steel, 10 3/4" long, 5/8" wide, signed "C. Drew cat's paw-277-". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm			
31112T24	Cat's paw pry bar	DTM	TT-D30
Drop-forged steel, 12" long, 1/2" wide, signed "Drew No. 12". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm			
100108T5	Clamp	DTM	MH
Wood, 3 3/8" long, 3 1/4" wide, 3" wooden screw, signed "PATENT PENDING" "by" "W.W.WYMAN" and "W. Waterville Me". This is a gift from Ed Shaw, who notes that Walter Wyman was an engineer and one of the original founders of Central Maine Power Company. Could he have applied for this patent? http://www.davistownmuseum.org/publications/volume10.html			
22311T11	Dowel pointer	DTM	TT
Malleable cast iron, 5" long, 2 3/4" wide, unsigned. This tool is also called a dowel trimmer. It is used by a chairmaker for tenon champering. Part of the Robert Sullivan Collection donation.			
31112T20	Flathead screwdriver	DTM	TT-D30
Drop-forged steel, plastic handle, 9" long, 3/4" wide blade, signed "C. DREW & CO.". Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm			
52403T6	Framing clamp	DTM	MH
Drop-forged iron, 7 3/4" long, 4 5/8" wide when closed, unsigned. This is an excellent example of late 19th century tool designing ingenuity. This tool appears very useful as a frame clamp, but this design is no longer manufactured.			
112400T1	Hand drill	DTM	MH
Steel and wood, 14" long, signed "MADE IN USA No. 2A MILLERS FALLS TOOLS GREENFIELD, MA", c. 1950. http://www.davistownmuseum.org/pics/112400t1_p1.jpg http://www.davistownmuseum.org/bioMillersFalls.htm			
41801T9	Miniature brace	DTM	MH
Cast iron, steel, and wood, 7 7/8" long, takes at most a 1/8" diameter bit, unsigned. This is probably a Miller's Falls product. It is a collectable tool from the classic period of the Industrial Revolution. http://www.davistownmuseum.org/bio#bioMillersFalls.htm			
31112T23	Nail puller	DTM	TT-D30
Drop-forged steel, 15 1/4" long, 1" wide, signed "C. Drew and Company". This is another of the Drew Co.'s more modern tools. Courtesy of Liberty Tool Co. http://www.davistownmuseum.org/bioDrew.htm			
5212LTC1	Nail puller	DA	TT
Cast iron, 17" long retracted, 22 1/2" wide, signed "BRIDGEPORT". DATM (Nelson 1999, 111) lists Bridgeport Mfg. Co. as working in Bridgeport, CT in 1899. Courtesy of Liberty Tool Co.			
31808SLP26	Nail puller	DTM	TT
Forged steel, 6 3/4" long, signed "THE BRIDGEPORT HDWE MFG. CORP" "MADE IN U.S.A" and on the other side "BABY TERRIER" "WARRANTED FORGED STEEL". DATM (Nelson 1999) states that this company was located in Bridgeport, CT. Baby Terrier was one of their brand names. http://www.davistownmuseum.org/pics/31808slp26-1.jpg http://www.davistownmuseum.org/pics/31808slp26-2.jpg			
51212LTC1	Plumb bob	DA	TT
Brass, 6 3/4" tall, 2 3/4" diameter, signed "C DREW & CO. KINGSTON, MASS.". Courtesy of Liberty Tool Co.			

		Status	Location
041505T19	Saw jointer with original box	DTM	MH
<p>Sheet metal, 4 3/8" long, signed "PIKE". The box is also labeled with a logo containing "PIKE" and the following: "PERFECT SAW JOINTER Joints The Teeth Absolutely True An Excellent Skate Sharpener Fine for Meat Block Scrapers PIKE MANUFACTURING CO. PIKE, NEW HAMPSHIRE U. S. A." The Pike Co. was the East Haverhill, NH, clan of Alonzo (1860 - 1889) and Joseph Pike (1870 - ?), whetstone makers. The Pike Mfg. Co. went out of business in 1932.</p> <p style="text-align: center;">http://www.davistownmuseum.org/pics/041505t19.jpg</p>			
30202T3	Saw set	DTM	MH
<p>Drop-forged steel and brass, 6 3/4" long, signed "E. C. Sterns & Co. Syracuse N.Y. USA". DATM (Nelson 1999, 752) indicates the Edward C. Stern Co. made saw vises, sets, wrenches, shaves, clamps, and other tools in Syracuse from 1877 to 1891. This saw set has small brass adjustment knobs. It is very similar to a Morrill patent saw set (1880).</p> <p style="text-align: center;">http://www.davistownmuseum.org/pics/30202t3.jpg</p>			
112303T1	Screw box and screw tap	DTM	TT
<p>Wood and steel, 3/4", signed "Imhoff & Lange" "Germany" "8" and "7/8". The screw box is accompanied by a 3/4" screw tap marked "3/4", "19", and "West Germany". It was received in November, 2003, from an anonymous donor. It is an excellent modern example of an age-old woodworkers' tool. The purpose of this tool is to cut threads onto 7/8" dowels to be used as handles, etc. to be screwed into holes that have been threaded with a tap made to cut threads in a wooden hole. For example, it could be used for making wooden clamps with wooden screws.</p>			
122303T1	Screw box and screw tap	DTM	MH
<p>Wood screw box and cast steel tap, 9 1/2" long, 2 1/16" wide, 1 3/4" deep box, 5 7/16" long, 7/8" wide tap, signed "IMHOFF & LANGE GERMANY" and "1" and "7/8" on box; "7/8" and "1" on tap.</p>			
51212T1	Slaters' shingle ripper	DTM	TT
<p>Drop-forged steel, 24 1/2" long, signed "C DREW & CO. KINGSTON, MASS.". Courtesy of Liberty Tool Co.</p> <p style="text-align: center;">http://www.davistownmuseum.org/bioDrew.htm</p>			
31808SLP8	Sliding T bevel	DTM	TT
<p>Steel, brass, and rosewood, 10 1/4" long blade, 6" long handle, signed "J G NICHOLAS".</p> <p style="text-align: center;">http://www.davistownmuseum.org/pics/31808slp8-2.jpg http://www.davistownmuseum.org/pics/31808slp8-1.jpg</p>			
31112T21	Soldering iron	DTM	TT-D30
<p>Wood, iron, copper, steel, aluminum ferrule, 11" long, 1 1/4" wide, unsigned. Courtesy of Liberty Tool Co.</p>			
22211T2	Spirit level	DTM	TT
<p>Mahogany with brass vial cover and end caps, 26" long, 3 1/4" x 1 3/8", signed "J. W. HARMON" "BOSTON" "MASS" in an arch. The brass end caps are only on the corners. The vial is protected on the sides with brass. Part of the Robert Sullivan Collection donation.</p>			
22211T4	Spirit level	DTM	TT
<p>Mahogany with brass vial cover and end caps, 24" long, 3 1/8" x 1 3/8", signed "STANLEY" "RULE & LEVEL CO" "NEW BRITAIN, CONN. USA" "PAT'D 5-8-06" "No 30" "TO ADJUST REMOVE PLATES" and "STANLEY ADJUSTABLE" on side sights. The sight is adjustable on all 3 level sights. Part of the Robert Sullivan Collection donation.</p> <p style="text-align: center;">http://www.davistownmuseum.org/bioStanley.html</p>			
22211T3	Spirit level	DTM	TT
<p>Mahogany with brass vial cover and end caps, 26" long, 2 5/16" x 1 1/4", signed "SARGENT & CO" "NY" in a circle with "PAT. MAR" and "12 1878". The vial is protected on the sides with brass. Part of the Robert Sullivan Collection donation.</p>			
22211T5	Spirit level	DTM	TT
<p>Mahogany with brass vial cover, 29 1/2" long, 3 3/16" x 1 3/8", signed "LAMBERT MILLIKEN," " & " "STACKPOLE" "BOSTON, MASS" with an American Eagle w/shield. Part of the Robert Sullivan Collection donation.</p>			

22211T1 **Spirit level** Status Location
DTM TT

Mahogany with brass vial cover, 24" long, 3 1/8" x 1 3/8", signed "WINCHESTER" "TRADE MARK" "MADE IN USA" and "#9811-24IN".

It has a decorative routed hand grip. Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioWinchester.html>

041505T25 **Spoke pointer** DTM MH

Drop-forged steel and cast iron, unsigned.

This is a typical factory-made tool of the late 19th century. This pointer is a handy tool for chair-makers and wagon wheel-makers.

<http://www.davistownmuseum.org/pics/041505t25.jpg>

22311T12 **Tack or nail remover** DTM TT

Drop-forged malleable iron, 6" long, signed "BI-PED." "PAT. APLD. FOR".

This tool has a plier-type lever action. Part of the Robert Sullivan Collection donation.

22211T36 **Two speed hand drill** DTM TT

Drop-forged malleable iron, steel, and a wooden handle, 12" long, signed "MILLERS FALLS CO." "MADE IN USA" "MILLERS FALLS, MASS" "No 5" and their triangle logo.

This drill has two gears, which allow changing it to different speeds. The drills can be stored in the handle. Part of the Robert Sullivan Collection donation.

<http://www.davistownmuseum.org/bioMillersFalls.htm>

3312T17 **Wood carving mallet** DTM TT

Lignum vitae head, oak handle, 12" long, 5" long and 2 1/2" wide head, unsigned.

This factory-made mallet has a well worn head from use. Courtesy of Liberty Tool Co.

Woodworking: Saws

92911T15 **Backsaw** DTM TT

Cast steel, brass, and wooden handle, 10" long blade, 6" wide tapering to 1" wide, signed "R. GROVES & SON" "SHEFFIELD" "CAST STEEL" "ELASTIC SPRING TEMPER" "WARRENTED".

It's blade stiffener is made of brass.

92911T16 **Backsaw** DTM TT

Tempered alloy steel, brass, and wooden handle, 13" long blade, 8" wide tapering to 2 1/2" wide, signed "R. GROVES & SON" "BEE HIVE WORKS" "SHEFFIELD" "SILVER STEEL" "ELASTIC SPRING TEMPER" "WARRENTED GOOD".

This saw has hardwood handles with brass screws. Silver steel may be an early product of the electric arc furnace, which was used to make tool steel beginning in the 1880s.

040103T6 **Backsaw** DTM MH

Cast steel, brass, and apple wood handle, 15" long, 10" blade, signed "C. H. BILL & SON WALTHAM MASS" "SPRING STEEL WARRANTED" and an eagle medallion.

This mark is not listed in DATM (Nelson 1999) nor has the curator, who was born in the town adjacent to Waltham (Newton), ever seen this mark in 33 years in the tool business. A finely made backsaw with a beautiful applewood handle.

http://www.davistownmuseum.org/pics/040103t6_p1.jpg

http://www.davistownmuseum.org/pics/040103t6_p3.jpg

92911T17 **Backsaw** DTM TT

Cast steel, wooden handle, 18" long blade, 14" wide tapering to 3 1/2" wide, signed "I COLBECK" "CAST STEEL".

The mark could be a J or I.

30311T6 **Backsaw** DTM TT

Saw steel, steel, brass rivets, and wooden handle, signed "KENYON" and "J. D." owner's mark.

DATM (Nelson 1999, 445) lists Kenyon as a saw-maker with no location or dates.

31602T15 **Buck saw** DTM MH

Steel and pressed wood, 34 1/2" long with 32" blade, signed "Lumber Products Co. Lewiston Maine" "Patented USA Jan 15 1918" "Patented Canada Jan 22 1918".

This is an interesting early 20th century Maine buck saw. Donated to The Davistown Museum by Michael Ross.

		Status	Location
22311T20	Cabinet saw	DTM	TT
<p>Saw steel, 24" long, 12" long handles, 3/4" wide blades, signed "SCHMIDT PACKSAW" "BY" "CURTIS-STEBBINS" "DENMARK, MAINE".</p> <p>This saw is in an oak frame. Part of the Robert Sullivan Collection donation.</p>			
41302T3	Hacksaw	DTM	MH
<p>Steel, brass, and wood, 19 1/2" long, 14 5/8" adjustable frame, signed "No 6 Millers Falls Co. Millers Falls Mass USA" with their star cartouche.</p> <p>This is an uncommon example of an unusual, early Millers Falls hacksaw design.</p> <p>http://www.davistownmuseum.org/bioMillersFalls.htm</p>			
92911T18	Hand saw	DTM	TT
<p>Cast steel and wood, 25" long blade, 5" wide, signed "_WECL & GR__HS" "BOSTON" "CAST STEEL" "WARRENTED".</p> <p>The signature was poorly stamped and not very legible. Possibly this is Welch & Griffiths, who made saws in Boston from 1830 to 1871?</p>			
41801T12	Keyhole saw	DTM	MH
<p>Cast steel and brass, 19 1/2" long, 14" blade, signed with an obscured mark on the blade followed by "Warranted Cast Steel".</p> <p>There's nothing unusual about this run-of-the-mill keyhole saw except the early eagle brass (H. Disston style) and the obscured mark.</p>			
913108T28	Saw	DTM	MH
<p>Silver steel, brass trim, wooden handle, 22" long, signed "CHANDLER & BARBER" "SILVER STEEL WARRANTED" "BOSTON, MASS." and with a circle with an eagle in the middle and "WARRANTED SUPERIOR".</p> <p>Chandler & Barber were hardware dealers who marked this saw with their trademark. It was made by Henry Disston, whose eagle trademark is also on the saw.</p> <p>http://www.davistownmuseum.org/bioDisston.html</p>			
102503T4	Saw swage	DTM	MH
<p>Steel, 4" long in a 4 3/4" long box, signed "The Simonds swage Fitchburg Mass No 8" also stamped "48".</p> <p>This tool comes with paper directions for use (with advertising on the back). It is also called a "ripset" on the paper label. It is used for shaping or spreading hand saw teeth.</p>			

Wrenches

32708T63	Adjustable box wrench	DTM	MH
<p>Metal, 8" long, signed "WAKEFIELD WIZARD" "No 120" "PATENTS PENDING" "IN U.S.A." "AND FOREIGN COUNTRIES" "MADE IN WORCHESTER. MASS U.S.A.".</p> <p>This company's working dates were from 1891 - 1900.</p> <p>http://www.davistownmuseum.org/pic/32708t63-3.jpg</p> <p>http://www.davistownmuseum.org/pic/32708t63-1.jpg</p>			
31212T6	Adjustable nut wrench	DTM	TT
<p>Drop-forged tempered alloy steel, 8" long, signed "W.J. LADD No. 77 NEW YORK".</p> <p>This is similar to a Coes patent nut wrench. Courtesy of Liberty Tool Co.</p>			
041505T15	Adjustable wrench	DTM	MH
<p>Drop-forged steel, 18" long, signed "Walworth CompanyMade in USA" "WALCO PIPE WRENCH" "PATENT NO 1862002" and "18".</p> <p>Walworth was a Boston manufacturer and the first maker of the Stilson wrench (1882), of which there is a later variation. See the acrylic on canvas artwork of Alan Magee for a c. 2000 interpretation of this tool. This is the top wrench in the photograph.</p> <p>http://www.davistownmuseum.org/pics/041505t15.jpg</p>			
32708T47	Adjustable wrench	DTM	MH
<p>Metal and wood, 11" long, signed "BEMIS & CALL H & T" and "SPRINGFIELD, MASS USA".</p> <p>This wrench is also marked with two figure 8-like marks.</p> <p>http://www.davistownmuseum.org/pics/32708t47-2.jpg</p> <p>http://www.davistownmuseum.org/bioBemis.html</p>			

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Wrenches

	Status	Location
62202T6 Adjustable wrench	DTM	MH
Steel with cast lead handle, 5 7/8" long, signed "Goodell Pratt Company TOOLSMITHS Greenfield Mass USA". This is the only example of this wrench we have encountered in 30 years. http://www.davistownmuseum.org/pics/62202t6.jpg http://www.davistownmuseum.org/bioGoodelpratt.html		
032203T6 Adjustable wrench	DTM	MH
Drop-forged steel, 5" long, signed "ACME MADE IN USA PAT. FEB 27, 83". This nifty little wrench is typical of the American factory-made tools that were appearing in great quantities after the Civil War. With the Industrial Revolution underway at full blast by 1880, a typical ships' carpenter or shipyard worker needed a wide variety of hand tools to execute a much broader range of work assignments than just building a wooden ship. Modern navigation instruments and marine fittings might necessitate the use of a mundane wrench such as this. http://www.davistownmuseum.org/pics/032203t6_p3.jpg http://www.davistownmuseum.org/pics/032203t6_p2.jpg		
041505T20 Adjustable wrench	DTM	MH
Drop-forged steel, 7 1/4" long, signed "GORDON" "AUTOMATIC" "PAT'D USA". Gordon is listed in DATM (Nelson 1999) with no dates or location. It is not listed in Cope (1993) and Schultz (1989). http://www.davistownmuseum.org/pics/041505t20.jpg		
TCZ1003 Adjustable wrench	DTM	MH
Drop-forged steel, 8" long, signed "ROBINSON" and "DROP FORGED STEEL". Robinson is listed in DATM (Nelson 1999, 665) as a wrench-maker with a patent of June 16 1885. Squire Robinson lived in Southington, CT when the patent was issued. A copy of the patent is here: http://www.google.com/patents?id=cmBdAAAAEBAJ&pg=PA1&dq=June+16+1885+robinson&hl=en&sa=X&ei=SMOWT_F2qd7pAdX72LcO&ved=0CDQQ6AEwAA#v=onepage&q=June%2016%201885%20robinson&f=false http://www.davistownmuseum.org/pics/tjg1001a.jpg		
TCZ1006 Adjustable wrench	BDTM	MH
Drop-forged steel, 8 3/4" long, signed "PENNEY & THURSTON MECHANICS FALLS ME PAT OCT 11 ____". This is a very uncommon wrench made by a very obscure, yet historically important, Maine wrench-maker not listed in DATM (Nelson 1999). Thank you to the Missouri Valley Wrench Club Newsletter for the following: "The Penney & Thurston wrench is patent No. 44,653 issued Oct. 11, 1864. It was described in the Nov. 26, 1864, Scientific American". Follow the link to see more photographs of this wrench. http://www.davistownmuseum.org/pics/tcz1006p2.jpg http://www.davistownmuseum.org/bioPenney.htm		
52603T38 Adjustable wrench	DTM	MH
4 1/4" long, signed "HAWKINS DERBY. CT". DATM (Nelson 1999) states that Hawkins Hdw. Mfg. Co. made wrenches patented by William Baxter Dec. 1 1868. A copy of the patent is here: http://www.google.com/patents?id=JW8_AAAAEB&pg=PA2&dq=Baxter+Dec.+1+1868&hl=en&sa=X&ei=MsKWT8bNEu3G6AHuzd3PDg&ved=0CDQQ6AEwAA#v=onepage&q=Baxter%20Dec.%201%201868&f=false		
32708T52 Adjustable wrench	DTM	MH
Metal and brass, 6 7/8" long, head 2" long and 1 3/8" wide, signed "EVANS WRENCH CO." "FALL RIVER" "MASS." and "PAT NO. 1728282". The Evans Wrench Company started in 1880. http://www.davistownmuseum.org/pics/32708t52-1.jpg http://www.davistownmuseum.org/pics/32708t52-2.jpg		
101400T13 Adjustable wrench	DTM	MH
Drop-forged steel, 12" long, unsigned. This is a typical S-curved adjustable wrench. http://www.davistownmuseum.org/pics/tjg1001a.jpg		

	Status	Location
<p>TCZ1002 Adjustable wrench</p> <p>Drop-forged steel, 6" long, signed "BUFFALO" and "BARCALO" and marked "6". It has a "S" type handle. DATM (Nelson 1999, 56) reports these marks on an adjustable crescent style wrench and that the "Buffalo" might be a brand name rather than referring to Buffalo, NY. The website "http://www.alloy-artifacts.com/barcalo-buffalo.html" indicates that there was a Barcalo Manufacturing in Buffalo, NY, 1896 - 1960s. Eventually, this company became more famous for the Barcalounger chair.</p> <p>http://www.davistownmuseum.org/pics/tjg1001a.jpg</p>	DTM	MH
<p>52603T23 Adjustable wrench</p> <p>7 1/4" long, signed "F.E. WELLS & SON CO." "GREENFIELD MASS. USA" "8" "2ND". "In 1900 Frederick E. Wells left the Wells Brothers Co. and, with his son, formed the F. E. Wells & Son Co. to manufacture pipe threading tools." (http://vintagemachinery.org/MfgIndex/detail.aspx?id=877)</p>	DTM	MH
<p>30202T5 Adjustable wrench</p> <p>Drop-forged steel, 5 1/4" long, signed "TRIMO EMERGENCY" "Pat'D Drop Forged" on handle and "TRIMONT MFG CO ROXBURY MASS" "188997" "TRIMO 6". This is a rare and unusual Tremont wrench. DATM (Nelson 1999) lists Tremont Wrench as in business 1889 - 1920. This example is not pictured in Cope's (1993) "American Wrench Makers".</p> <p>http://www.davistownmuseum.org/pics/30202t5.jpg</p>	DTM	MH
<p>111206T2 Adjustable wrench</p> <p>Low-carbon steel, unsigned. This mid- to late nineteenth century wrench illustrates the juxtaposition of a hand-worked, twisted handle with the drop-forged jaws characteristic of machine-made fabrication.</p>	DTM	MH
<p>TCZ1001 Adjustable wrench</p> <p>Drop-forged steel, 6" long, signed "B&C" and "6 IN.". This wrench has an "S" type handle. Bemis & Call Co. manufactured wrenches in Springfield, MA c. 1860-1875. This tool signals the arrival of the Industrial Revolution and mass production of tools.</p> <p>http://www.davistownmuseum.org/pics/tjg1001a.jpg</p>	DTM	MH
<p>52603T1 Adjustable wrench</p> <p>German steel, 4 1/2" long, 2" wide, signed "Avaokra".</p>	DTM	MH
<p>51201T1 Adjustable wrench</p> <p>Drop-forged steel, 3 3/8" long, signed "J. R. Long Wrench Co. PAT. APR. AKRON, OHIO 17, 1906". This is the patent: http://www.google.com/patents?id=WZJOAAAAEBAJ&pg=PA2&dq=apr+17+1906+long+wrench&hl=en&sa=X&ei=tr6WT_roFJD06AGelf2cDg&ved=0CDQQ6AEWAA#v=onepage&q=apr%2017%201906%20long%20wrench&f=false.</p>	DTM	MH
<p>041505T16 Adjustable wrench</p> <p>Drop-forged steel, 8" long, signed "Walworth Company Made in USA" and "WALCO PIPE WRENCH". This is the bottom wrench in the photograph.</p> <p>http://www.davistownmuseum.org/pics/041505t15.jpg</p>	DTM	MH
<p>52603T12 Alligator wrench</p> <p>Drop-forged low carbon steel, 9 3/4" long, signed "MADE IN USA" "TWIN" and with a W in a diamond.</p>	DTM	MH
<p>52603T13 Alligator wrench</p> <p>Drop-forged steel, 8" long, signed "THE S. and T. WRENCH".</p>	DTM	MH
<p>31908T40 Alligator wrench</p> <p>Steel, 8 1/4" long, signed "THE K & B CO." and "NEW HAVEN CT" on one claw and "SAXON" on the other claw. This mark is from the Kilburn & Bishop Co.</p> <p>http://www.davistownmuseum.org/pics/31908t40p4.jpg http://www.davistownmuseum.org/pics/31908t40p1.jpg</p>	DTM	MH
<p>TJF1005 Box wrench</p> <p>Drop-forged steel, 19 1/2" long, 1 3/8" box, 1/58" box, signed "Hinckley Myers J 602", c. 1900. "The Hinckley-Myers Company operated in Chicago, Illinois as maker of automobile specialty equipment and tools." (http://home.comcast.net/~alloy-artifacts/other-makers-p2.html).</p>	DTM	MH

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Wrenches

	Status	Location
<p>31908T41 Box wrench</p> <p>Chromium vanadium steel, 9 3/4" long, signed "11/16 PERFECTION NoP-27 5/8" and on the other side "CHROMIUM VANADIUM".</p> <p>http://www.davistownmuseum.org/pics/31908t41p1.jpg http://www.davistownmuseum.org/pics/31908t41p2.jpg</p>	DTM	MH
<p>040103T13 Claw wrench</p> <p>Drop-forged steel, 13 1/2" long, signed "LeClaw Wrench Co. Chicago USA Pat'd Feb 6 1912". This is a hefty tool with great sculptural qualities. It's not an early tool, but is too interesting to sell at Liberty Tool Co.</p> <p>http://www.davistownmuseum.org/pics/040103t13_p1.jpg http://www.davistownmuseum.org/pics/040103t13_p3.jpg</p>	DTM	MH
<p>30202T12 Combination wrench</p> <p>Drop-forged steel, 6 3/8" long, 1/8" wide, signed "Ryder's Combination Pat'D Nov 10 1896". Ryder is not listed in DATM (Nelson 1999) or Cope's (1993) "American Wrench Makers". The patent was given to Josiah F. Ryder of Attleborough, MA. The patent may be viewed here: http://www.google.com/patents?id=KZVBAAAAEBAJ&pg=PA2&dq=ryder+nov+10+1896&hl=en&sa=X&ei=EcyWT8mKNsyw8QPvjrXuCQ&ved=0CDQQ6AEwAA#v=onepage&q=ryder%20nov%2010%201896&f=false.</p> <p>http://www.davistownmuseum.org/pics/30202t12.jpg</p>	DTM	MH
<p>913108T21 Crescent wrenchs (4)</p> <p>Drop-forged, 7 1/4" long with 3/4" opening; 8" long with 1 1/4" opening; and two 9 1/4" long with 1 1/2" opening, signed "<- 3/4" C. DREW & CO. 3/4" ->", "<- 7 3/16" - DREW NO. 15 - 1 1/4" ->", and two "1 7/16" DREW NO. 19 - 1 1/2"->", c. 1930. These four wrenches are an uncommon product of this factory: Christopher Drew & Company, Kingston, MA, 1837 - 1937.</p> <p>http://www.davistownmuseum.org/bioDrew.htm</p>	DTM	MH
<p>041403T1 Double jaw buggy wrench</p> <p>Drop-forged steel and wood, 5 3/8" long, unsigned. This wrench was patented by H A Thompson on Nov. 2, 1880 and produced by the Portland Wrench Co. in Maine. In 1886, Portland Wrench was reorganized as the Diamond Wrench Co. In 1893, the company went bankrupt. In the interim, these companies produced some of the most interesting small and medium sized buggy wrenches of any American companies. These Portland-made wrenches are among the most sought after specimens of 19th century wrench producers.</p> <p>http://www.davistownmuseum.org/pics/041403t1.jpg http://www.davistownmuseum.org/publications/volume10.html</p>	DTM	MH
<p>041505T34 Drain plug wrench</p> <p>Drop-forged steel, 10" long, signed "DROP FORGED" "DRAIN PLUG WRENCH" "MADE IN USA". This is a combination wrench with sockets for up to 3/4 plugs. The maker is not identified.</p> <p>http://www.davistownmuseum.org/pics/041505t34.jpg</p>	DTM	MH
<p>42801T16 Elgin wrench set</p> <p>Cast steel in wood box, signed on box label "Boxed sets of Elgin Wrench & Attachments (etc) Stan Manufacturing Co. Carpentersville ILL, USA". Tools inscribed "extra jaw 25¢". DATM (Nelson 1999) lists Stan Mfg. as working from 1897 f.</p>	DTM	MH
<p>31112T25 Open end wrench</p> <p>Drop-forged steel, 7 1/4" long, 1/2" wide, signed "3/4" C. Drew & Co. 3/4". Courtesy of Liberty Tool Co.</p> <p>http://www.davistownmuseum.org/bioDrew.htm</p>	DTM	TT-D30
<p>11301T11 Open ended wrench</p> <p>Drop-forged iron, 5 1/2" long, 5/8" and 3/4" openings, signed "Ford" in the earliest of known Ford scripts. This must be among the oldest of Ford Motor Co. wrenches.</p>	DTM	MH
<p>32708T48 Piano tuning wrench</p> <p>Metal and rosewood, 9 1/4" long, 4 1/4" wide, signed "GERMANY".</p> <p>http://www.davistownmuseum.org/pics/32708t48-2.jpg http://www.davistownmuseum.org/pics/32708t48-1.jpg</p>	DTM	MH

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Wrenches

		Status	Location
93011T10	Pipe wrench	DTM	TT
<p>Drop-forged steel with wood handle, 6" long, signed "WALWORTH" "MADE IN USA" and their trademark "GENUINE STILLSON" in a diamond shape, on jaw "STILLSON C1" "REG. U.S. PAT. OFF. C".</p> <p>http://www.davistownmuseum.org/bioWalworth.html</p>			
93011T9	Pipe wrench	DTM	TT
<p>Drop-forged steel with wood handle, 7" long, signed "WALWORTH MFG. CO." "BOSTON, U.S.A." and their trademark "REGISTERED STILLSON" in a diamond shape.</p> <p>http://www.davistownmuseum.org/bioWalworth.html</p>			
31811T14	Pocket wrench	DTM	TT
<p>Drop-forged steel and wood handle, 6 1/2" long, 1 1/2" x 1/2" head, signed "WORCHESTER" with two preceding lines that are obscured.</p> <p>This style of wrench is also called a screw wrench or monkey wrench.</p>			
TCL1001A	Ratchet wrench	DTM	MH
<p>Cast iron or steel, 10 7/8" long, 5/8" ratchet, signed "TRUTH TOOL CO. MANKATO MINN.", c. 1920.</p> <p>This is an unusual wrench with a normal maker's mark from post-1900.</p>			
11301T8A	Ratchet wrench	DTM	MH
<p>Drop-forged alloy steel, 6 3/4" long, 1/2" diameter socket, unsigned.</p> <p>This is a primitive, single ratchet socket wrench with a simple peened mechanism.</p>			
32412LTC1	Slide adjust pipe wrench	DA	MH
<p>Malleable iron, 12" long, signed "H & E WRENCH CO. U.S.A. NEW BEDFORD MASS.; PAT. MAR. 27 1923 TRADE HANDE MARK REG. U.S. PAT. OFF.".</p> <p>This "HandE" wrench employs a sliding screw adjustment mechanism. The H & E Wrench company was founded by G.E. Hemphill and E.J. Evans. Courtesy of the Liberty Tool Company.</p>			
22512LTC2	Sliding wedge bicycle wrench	DA	TT
<p>Drop-forged steel, 8" long, signed "TRADE MARK FITZALL" (in a diamond) "PATENTED JUNE 9.1908 APR.26.1910" "2B ROGERS PRINTZ & CO WARREN PA." "DROP FORGED STEEL".</p> <p>Courtesy of Liberty Tool Co.</p>			
21812T21	Slip adjust nut wrench	DTM	TT
<p>Drop-forged steel, 28 5/8" long, 5 1/8" long head, unsigned.</p> <p>The adjustment mechanism is seized.</p>			
42801T19	Socket wrench	DTM	MH
<p>Drop-forged steel, 4 3/4" long, 1/2" socket, signed "WHR21711".</p> <p>This is an unusual wrench as well as an interesting sculpture object.</p>			
21912T1	Spring adjusted diamond wagon wrench	DTM	TT
<p>Drop-forged steel, brass spring, 9" long, 1" wide, signed "Reed & Co. Higgauum CT".</p> <p>This wrench was patented by T. H. Remington on May 21, 1878. There is a photo of the patented wrench in Cope (1993, 206). This item was donated by the Liberty Tool Co.</p>			
TCZ1004	Stillson wrench	DTM	MH
<p>Drop forged steel, 9 1/2" long, signed "RED-HEAD" and "MADE IN U.S.A.", c. 1920 (?).</p> <p>The maker is not listed in DATM (Nelson 1999). There is a modern company named Red Head Brass that makes wrenches for firefighters.</p>			
22612T9	Tap wrench	DTM	TT
<p>Drop-forged steel, 2 1/2" long, 1/4" diameter, 3" long handle, signed "The Dikeman Mfg. Co. Norwalk, Conn".</p> <p>DATM (Nelson 1999, 227) lists this company as making drills, shaves, and other tools with no working dates. The wrench is donated by Liberty Tool Co.</p>			

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Wrenches

		Status	Location
50402T8	Tap wrench	DTM	MH
<p>Steel, 7" long, signed "C. E. Billings's PATENT MAY 6 1879. Billings & Spencer Co. Hartford CT USA", "B" in a triangle and owner's signature "A. E. Wright".</p> <p>DATM (Nelson 1999) lists Billings & Spencer as working in Harford from 1873 to 1950. See page 86 for background information on this company, Christopher Spencer, inventor of the Spencer rifle, and Charles Ethan Billings who apprenticed with the Robbins & Lawrence Co. Armory in Windsor, VT. For more information go to the American Precision Museum (http://www.americanprecision.org/).</p>			
021812T3	Wagon wheel wrench	DTM	TT-D5
<p>Hand-forged malleable iron, 9" long, unsigned.</p> <p>This is a two ended wrench.</p>			
31808SLP21	Wagon wrench	DTM	TT
<p>Drop-forged iron, 8 1/4" long, unsigned.</p> <p>http://www.davistownmuseum.org/pics/31808slp21.jpg</p>			
31908T31	Wagon wrench	DTM	MH
<p>Steel, brass trim, and wood, 10 1/2" long, signed "PAT. NOV. 2, 80".</p> <p>This wrench is similar in design (revolving nut slide) to the wagon wrenches made by the Diamond Wrench Co. in Portland, ME, also in 1880. It is otherwise not illustrated in Cope's "American Wrench Makers" (1993, 99). The patent was given to Henry Thompson of Farmington, ME. It may be viewed here:</p> <p>http://www.google.com/patents?id=kGJxAAAAEBAJ&pg=PA2&dq=NOV.+2,+1880+wrench&hl=en&sa=X&ei=KdCWT6iLMYmg0QWb-MCGDg&ved=0CDQQ6AEwAA#v=onepage&q=NOV.%20%2C%201880%20wrench&f=false</p> <p>http://www.davistownmuseum.org/pics/31908t31p2.jpg</p> <p>http://www.davistownmuseum.org/pics/31908t31p2.jpg</p>			
41801T5	Wagon wrench	DTM	MH
<p>Drop-forged steel with wooden handle and brass ferrule, 12" long, takes a 5/8" square nut, signed "PAT. NOV. 2. 80".</p> <p>See wrench ID: 31908T31 for information on this patent.</p>			
52603T37	Walco pipe wrench	DTM	MH
<p>Drop-forged steel, 7" long, signed "WALWORTH COMPANY" "MADE IN USA" "PATENT NO 1711033".</p> <p>http://www.davistownmuseum.org/bioWalworth.html</p>			
TCZ3001	Wrench	DTM	MH
<p>Steel, 6 5/16" long, signed "A J".</p> <p>This is a combination alligator open ended wrench. It is probably shop made by the owner who used it.</p>			
TCZ1003A	Wrench	DTM	MH
<p>Drop-forged steel, signed "DROPPED FORGED STEEL".</p> <p>This is a typical one piece drop-forged tool.</p>			
102904T18	Wrench	DTM	MH
<p>Cast steel, 6" long, signed "W.--W. MFG. CO. INC." " WORCESTER, MASS." " PAT 7-9-20".</p> <p>This is an uncommon wrench. This maker is not related to the current W. W. Manufacturing Company, Inc. of Bridgeton, NJ, which began business in 1964.</p> <p>http://www.davistownmuseum.org/pics/102904t18_p1.jpg</p>			
913108T3	Wrench	DTM	MH
<p>Metal, 6 1/4" long, signed "BLUEPOINT" BOXOCKET" "PATENT APPLD FOR" "CHICAGO" and "ILL".</p> <p>Blue Point is listed in DATM (Nelson 1999) with no other information.</p>			
42801T20	Wrench	DTM	MH
<p>Drop-forged steel, 7" long when closed, signed "Genuine Stilson Wrench Walworth Mfg. Co. Boston Mass Automobile 8 inch".</p> <p>This is a fine example of a circa 1910-1915 wrench by one of America's most prolific wrench-makers.</p>			

Davistown Museum Inventory of Tools - Industrial Revolution - Other

Wrenches

		Status	Location
33002T9	Wrench	DTM	MH

Steel, 10 3/8" long, signed on handle "Heller Brothers Newark. NJ. USA 4-14-25. 11-12-29" and on verso "10 MASTERENCH CHROME 7-11 VANADIUM 41".

Heller & Brothers was one of America's foremost manufacturers of blacksmith tools, 1866 - 1899. DATM (Nelson 1999, 374) indicates they changed their name in 1899 to the Heller Brothers Company. In 1955 they became the Heller Tool Co.

<http://www.davistownmuseum.org/pics/33002t9.jpg>

42801T22	Wrench	DTM	MH
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Drop-forged steel, 5 1/2" long, signed "1/4 Brake Eccentric Wrench 3/16 Herbrand Van Chrome No. 195 Made in USA".

This is an unusual wrench utilizing alloy steel characteristic of tools made beginning in the early 20th century with the advent of electric blast furnaces.