

The Davistown Museum  
 The Ancient Dominions of Maine: An Archaeology of Tools  
 Historic Maritime IV (1840-1865): The Early Industrial Revolution

The years between 1840 and the panic of 1857 witnessed the peak production of the shipyards downstream from Liberty and Montville. These years also saw the spread of railroads in southern New England and then into Maine, as well as an amazing growth in American manufacturing, including water-powered textile mills, iron foundries, coal production, steam-powered equipment, and machinery for use in the newly evolving factory system of production utilizing interchangeable parts. Small Maine manufacturers and edge toolmakers participated in this early Industrial Revolution, which is reflected in the changing designs and expanding tool kits of the period.

Liberty and Montville achieved their peak population levels exactly as the Waldoboro customs district achieved its peak production of wooden ships. Their construction and their need for supplies, cargos, produce, and crews help explain the boomtown years of both the central coast and its back hill country mill towns. One or more foundries were operating in Liberty during this time, with many coopers making staves and other woodenware for the flourishing coasting trade. Other toolmakers continued production of axes and other implements. To view the registry of the known 19th century Liberty and Montville toolmakers, click here:

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

Status Location

**Agricultural Implements**

72013T4	<b>Blueberry rake</b>	DTM	TT
Wood, sheet steel, 4 1/2" wide, 5" deep, 4" tall, unsigned.			
102612T5	<b>Brush cutter</b>	LPC	MH
Steel, wooden handle, 35" long, 9" long and 5" wide head, unsigned.			
81713T18	<b>Brush cutter (?)</b>	DTM	TT
Forged steel, brass, 10" tang, 6" long curved blade, unsigned.			
33013LTC2	<b>Bush hook</b>	DA	TT (Pub)
Forged steel, wood (hickory), 43 1/2" long, 8 1/4" long head, 5" wide head, unsigned.			
102314T2	<b>Compost fork</b>	DA	TT (Pub)
Steel, wood, 43" long, 4" wide handle, 7 1/2" wide fork, unsigned.			
31808PC12	<b>Oxen shoes (2)</b>	DTM	MH
Malleable iron or steel, 5" long, signed "No 30" on each one. Many other shoes were drop-forged or forge-welded by hand from high-carbon malleable iron. The "No 30" indicates these were made by drop-forging.			
43805T1	<b>Pig skinner</b>	DTM	MH
Steel, wire, and wood, 4 5/8" long hardwood handle, 21" long from base of handle to the wire, and 18 1/2" long wire, unsigned. <a href="http://www.davistownmuseum.org/pics/43805t1.jpg">http://www.davistownmuseum.org/pics/43805t1.jpg</a>			
32313T4	<b>Pitchfork</b>	DTM	MH
Forged steel, wood (hickory), 47" long, 31 1/2" long handle, 8 1/4" wide head, unsigned. This unusual fork has a two pronged, winged head.			

## Davistown Museum Inventory of Tools - Maritime IV

Agricultural Implements

Status Location

### 32802T6 Pruning shears

DTM MH

Forged iron or steel, 9 1/4" long, unsigned.

This distinctly hand-forged tool appears to be made entirely of forged malleable iron and steel. They were donated by Chris Harvey.

<http://www.davistownmuseum.org/pics/32802t6.jpg>

[http://www.davistownmuseum.org/pics/32802t6\\_p2.jpg](http://www.davistownmuseum.org/pics/32802t6_p2.jpg)

### TCK1005 Pruning shears

DTM MH

Forged iron and steel, 10 1/2" long, 2 3/8" wide blade, signed "J.F. FOX PELHAM N.H".

Josiah F. Fox is listed in DATM (Nelson 1999) as working 1853 - 1877. He specialized in making pruning shears.

### 090508T1A Sod cutter

DTM MH

Malleable iron, wood, 81" long, 7" long blade, unsigned.

This was made on an island off the coast of England.

### 31016T1 Sod cutter

LPC MH

Steel, wood, 32" long, 8 1/4" x 4 1/2" wide, unsigned.

### 101214T1 Tree grafting tool

DA TT  
(Pub)

Steel, brass, wood, 3 5/8" edge, 10" long, 4 1/4" wide, 3/8" thick, signed "ROY'S & WILCOX Co".

### 102612T3 Turf ax

LPC MH

Steel, wooden handle, 36" long, 9" long and 8 1/2" wide head, signed "JOSEPH BRECK & CO" "BOSTON MASS".

Joseph Breck was a toolmaker and later a dealer whose company was in Boston from 1838 to 1905. The "& Co" is not always on the mark and there is a report of the mark "& Son" (Nelson 1999, 110).

## Blacksmith, Farrier, and Metalworking Tools

### 92911T10 Bar stock

DTM MH

Malleable iron, 36" long, 1" wide, 1" high, unsigned.

This is a product of a finery, which produced bloomery or puddling furnace-derived malleable iron bar stock for blacksmiths of many trades, often for hand tool production.

### 22512LTC11 Blacksmiths' curved concave hardy

DA TT  
(Pub)

Cast or forged steel, 3 3/8" long, 1 3/4" wide, 6" high, unsigned.

This is a curved bottom tool or hardy used for forging a rounded edge. It has a square shank for insertion into an anvil or swage block. Courtesy of Liberty Tool Co.

### 22512LTC10 Blacksmiths' curved convex hardy

DA TT  
(Pub)

Cast or forged steel, 3" long, 4 1/2" wide, 1 3/8" high, unsigned.

This is a curved bottom tool or hardy used for forging a smooth, rounded object. It has a square shank for insertion into an anvil or swage block. Courtesy of Liberty Tool Co.

### 42405T3 Blacksmiths' double calipers

DTM MH

Forged steel or iron, 16 1/8" long, 6 5/8" wide when closed, signed with the owner's initials "HJK".

This is a typical smith-made pair of calipers for shop use; probably one of a kind.

### 22512LTC3 Blacksmiths' horned anvil

DA TT  
(Pub)

Cast steel, 28 3/4" high, 10" x 8.5" wide, unsigned.

Courtesy of Liberty Tool Co.

### 102904T17 Blacksmiths' punch

DTM MH

Forged iron, 12" long, unsigned.

This is a nicely fashioned smith-made special purpose punch, possibly for sheet metal work.

<http://www.davistownmuseum.org/pics/102904t17.jpg>

### 5412LTC3 Blacksmiths' straight lip tongs

DA TT  
(Pub)

Forged iron, 23" long, 1" jaw, unsigned.

Courtesy of Liberty Tool Co.

## Davistown Museum Inventory of Tools - Maritime IV

Blacksmith, Farrier, and Metalworking Tools

		Status	Location
5412LTC4	<b>Blacksmiths' straight lip tongs</b>	DA	TT (Pub)
Forged iron, 21" long, 3/4" jaw, unsigned. Courtesy of Liberty Tool Co.			
5412LTC2	<b>Blacksmiths' tongs</b>	DA	TT (Pub)
Forged iron, 27 1/4" long, 1/2" jaw, unsigned. These tongs are not illustrated in Sellens (2002). Courtesy of Liberty Tool Co.			
111412T18	<b>Blacksmiths' tongs</b>	DTM	MH
Forged malleable iron, 14" long, unsigned.			
31811T27	<b>Bolt header</b>	DTM	TT
Hand-forge-welded malleable iron, 12 1/2" long, 1 3/4" x 7/8" head with a 3/4" hole, unsigned.			
31811T28	<b>Bolt header</b>	DTM	TT
Hand-forge-welded malleable iron, 12 1/2" long, 1 7/8" round double-head with square holes 1/2" and 5/8"., unsigned.			
041709T1	<b>Chasing tools (11)</b>	DTM	MH
Forged steel, 2" to 3" long, 1/4" to 1" wide, signed "W. Jessop & Sons", 1832-1900 (?). This group of tools is an example from a larger collection of such chasing and die sinking equipment used by blacksmiths and jewelers, all acquired from the estate of Leon Robbins. The marking "W. Jessop & Sons" on some of the pieces indicates that they were made by William Jessop & Sons, a Sheffield, England company that took up the name in 1832 and eventually became Jessop Saville & Company. The size of the designs on the stamps ranges from an inch to less than 1/32 of an inch. 11 tools total.			
913108T37C	<b>Farrier's buffer</b>	DTM	MH
Reforged steel, 6 1/4" long, 1 5/8" wide, 3/8" thick, unsigned. This farrier's tool is made from a reforged rasp.			
61612T4	<b>Farriers' butteris</b>	DTM	TT
Forged malleable iron, wooden handle, 17" x 4 1/2" x 1 3/4", unsigned.			
31212T20	<b>Farriers' shoeing hammer</b>	DTM	TT
Drop-forged steel, hickory handle, 14" long, 4" long head, unsigned. This tool has evidence of hand filing on the head. Courtesy of Liberty Tool Co.			
5412LTC5	<b>Farriers' tongs</b>	DA	TT (Pub)
Forged steel, 14 1/2" long, 3/4" jaw, unsigned. Courtesy of Liberty Tool Co.			
12614LTC1	<b>Hacksaw</b>	DA	TT (Pub)
Cast steel, wood (rosewood), 11 1/4" long overall, 5 1/4" between blade holes, signed "PS STUBS 17". <a href="http://www.davistownmuseum.org/bioStubs.htm">http://www.davistownmuseum.org/bioStubs.htm</a>			
22411T21	<b>Hand vise</b>	DTM	TT
Cast steel or German steel, 6" long and 2" wide head, signed "P S STUBS". <a href="http://www.davistownmuseum.org/bioStubs.htm">http://www.davistownmuseum.org/bioStubs.htm</a>			
3405T6	<b>Hand vise</b>	DTM	MH
Steel, 3 1/8" long, 1" wide jaw, signed "Heile and Quack". No Heile and Quack are listed in DATM (Nelson 1999). This is probably an example of a German-made tool using German steel.			
TCR1016	<b>Hand vise</b>	DTM	MH
Forged iron and steel, 6" long, 1 5/8" throat, signed "G. W. DANIELS WALTHAM MA NO.2". DATM (Nelson 1999) lists a George Washington Daniels as a maker of dividers, vises, and other tools, working in Waltham, MA with working dates between 1850 -1886 (born 1830, died 1886). This vise is a variant of a common hand vise, with a small square anvil on a heart shaped hold down. The bottom nut appears to be a replacement.			

## Davistown Museum Inventory of Tools - Maritime IV

Blacksmith, Farrier, and Metalworking Tools

		Status	Location
42801T21	<b>Hand vise</b>	DA	UNK
Drop-forged iron or steel, signed "Smith & Co." DATM (Nelson 1999) lists Smith & Co. with no dates. Many Smiths made tools -- who was Smith & Co. and where did they make hand vises?			
62914T3	<b>Miniature hand vise</b>	LPC	MH
Cast steel, 4 5/8" long, unsigned. This hand vise or pin vise is similar to a design by P.S. Stubs and is used by a jeweler, blacksmith, horologist, gunsmith, or machinist.			
TCF1002A	<b>Nail header</b>	DTM	MH
Drop-forged iron, 8 3/4" long with 3 heads, 3/4" sq., 5/8" sq., and 3/16" sq., signed "P.S. CRONIN", c. 1850. The maker is not listed in DATM (Nelson 1999).			
33002T4	<b>Nail header</b>	DTM	MH
Tempered alloy steel, 11 3/4" long, 9/16" square head socket, signed "F. E. Streeter". This maker is not in DATM (Nelson 1999). Any relationship to A. W. Streeter of Shelburne Falls, MA, c. 1855?			
090109T8	<b>Nippers</b>	DTM	MH
Drop-forged iron and steel, 10 3/4" long, 4 1/2" wide when open, 2" wide cutting edge, unsigned.			
32912T7	<b>Ox shoe</b>	DTM	TT-46
Drop-forged steel, 4 1/2" long, signed "L". Courtesy of Liberty Tool Co.			
12217T4	<b>Pipe tongs</b>	DTM	TT
Forged steel, 17 1/2" long, 2 3/4" wide, 1/2" thick, signed "M.C.R.R. T. CO".			
TCR1020	<b>Pliers</b>	DTM	MH
Forged iron, 6" long with 13/16" wide jaws, signed "Fletcher". Fletcher may be a New Hampshire toolmaker. Increased use of larger and larger water-driven hammers preceded the large equipment necessary for drop-forging malleable iron. Is this an unmarked example of drop-forging? <a href="http://www.davistownmuseum.org/pics/tcr1021.jpg">http://www.davistownmuseum.org/pics/tcr1021.jpg</a>			
TCR1021A	<b>Pliers</b>	DTM	MH
Drop-forged steel (?), 5 1/2" long, signed "_ NISSEL". This maker is not listed in DATM (Nelson 1999).			
31011T4	<b>Punch</b>	DTM	MH3-D3
Cast steel, 5 5/8" long, 1/2" wide, signed "C. DREW & CO." "CAST STEEL". <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>			
121805T21	<b>Rasp</b>	DTM	MH
Cast or German steel, 12 1/4" long, 1 5/16" wide, signed "Grover & Son" with a touchmark, c. 1850. This is a typical Sheffield, England, cast steel handmade rasp or shaver. Each notch was cut by an English file-maker by hand. <a href="http://www.davistownmuseum.org/pics/121805t21.jpg">http://www.davistownmuseum.org/pics/121805t21.jpg</a>			
92014T2	<b>Smiths' hammer</b>	DTM	MH
Cast steel, wood (hickory), 3" long head, 1 1/2" wide, 5 1/4" long overall, unsigned. This smiths' hammer is unusually small.			
914108T6	<b>Spoon</b>	DTM	MH
German steel, 8 1/4" long, signed "BERTOCCHI". This tool is shaped like a punch or chisel with the end curved into a spoon shape. Possibly it was used in a foundry.			

## Cast Iron Tools and Artifacts

111001T32	<b>Awl</b>	DTM	MH
Cast iron, 7" long, unsigned. This is another tool from the age of cast iron (1840 - 1865).			

## Davistown Museum Inventory of Tools - Maritime IV

Cast Iron Tools and Artifacts

	Status	Location
<b>TCR1018 Block</b>	DTM	MH
Cast iron, 10" height, with a 5" diameter iron shive, signed "Clayville Iron Works NY". No Clayville is listed in DATM (Nelson 1999). This factory-produced tool is typical of the blocks that would have been brought to and used in the mills of Liberty and Montville after the Civil War when mass-produced tools supplanted the handmade and hand-forged wooden blocks characteristic of the earlier stages of the historic maritime culture of coastal Maine and New England.		
<b>TGB2205 Crucifix</b>	DTM	MH
Cast iron, 6 1/2" long, 5 1/2" wide, unsigned.		
<b>TTCR1001 Doorknob patterns</b>	DTM	MH
Cast iron, 5 3/4" long, unsigned. If these were not cast by a patternmaker for molds for ceramic doorknobs, what are they? Most patterns are wood, not cast iron. Comments are solicited.		
<b>111001T30 Harness-makers' vise</b>	DTM	MH
Cast iron, 5 1/2" wide, 3 1/2" wide jaw, unsigned. This is a common 19th century tool; in the 21st century, just another whatsit?		
<b>111001T33 Insignia</b>	DTM	MH
Cast iron, 5 1/4" diameter, signed with a 4" high "1". This is another artifact from the age of cast iron. What was its use?		

## Cobbler and Saddler Tools

<b>041505T40 Burnisher</b>	DTM	MH
Lignum vitae, 15 1/2" long, 1 1/2" wide, unsigned. This is a leather burnisher made from a tropical wood - a nice example of a tool from long ago. <a href="http://www.davistownmuseum.org/pics/041505t40_p2.jpg">http://www.davistownmuseum.org/pics/041505t40_p2.jpg</a>		
<b>102800T5 Burnisher (slitted)</b>	DTM	MH
Drop-forged steel and wood, 3 3/8" long, 1 1/4" wide, unsigned.		
<b>913108T29 Chamfering tool</b>	DTM	MH
Iron, brass, and wood, 4 1/2" long curved wooden handle, 3 1/2" long brass portion, unsigned. This tool is used for leather work.		
<b>33002T8 Cobblers' clamp</b>	DTM	MH
Drop-forged iron or steel, 8 3/8" long, 3 5/8" adjustable jaw, unsigned. This tool has a specific name -- what is it? <a href="http://www.davistownmuseum.org/pics/33002t8.jpg">http://www.davistownmuseum.org/pics/33002t8.jpg</a>		
<b>42405T9 Cobblers' hammer</b>	DTM	MH
Drop-forged steel, wood handle, leather strap holding the head in place, 3 1/8" long, 1 3/8" diameter face, 1 3/4" square and oval face, 6 1/4" long handle, unsigned, c. 1850. This hammer shows signs of drop-forging.		
<b>101900T4 Cobblers' hammer</b>	DTM	MH
Drop-forged steel and wood, 9 1/2" long, 1 3/8" diameter face, unsigned. This is a typical cobblers' hammer that was used in the mid-nineteenth century Liberty and Montville cobblers' shops. <a href="http://www.davistownmuseum.org/pics/101900t4.jpg">http://www.davistownmuseum.org/pics/101900t4.jpg</a>		
<b>52603T9 Cobblers' sling cutter</b>	DTM	MH
5" long, unsigned.		
<b>102904T8 Curriers' slick</b>	DTM	MH
Forged steel, iron ferrules, wooden handle, 26 1/4" long, 16" long and 1 1/3" wide blade, signed "C J KIMBALL & SON". Caleb Jewett Kimball worked in Milford and Bennington, NH. The Kimballs are famous for their high quality drawknives, which were produced in sufficient quantities to be frequently encountered today. The curriers' slick is less common; it is used for smoothing leather. <a href="http://www.davistownmuseum.org/pics/102904t8_p2.jpg">http://www.davistownmuseum.org/pics/102904t8_p2.jpg</a> <a href="http://www.davistownmuseum.org/bioKimball.html">http://www.davistownmuseum.org/bioKimball.html</a>		

## Davistown Museum Inventory of Tools - Maritime IV

Cobbler and Saddler Tools

	Status	Location
<b>51606T12 Curriers' slick</b>	DTM	MH
Steel, iron, and wood, 11 3/4" long, 5 1/2" wide double-edged blade, unsigned. This is a transitional tool showing evidence of handwork (hand-filed surfaces, oak (?) pegs trunneled into one handle for strength) and machined components (factory-made screws and a second machine-made handle.) This is the smallest curriers' slick we have seen.		
<b>102100T17 Eyelet punch</b>	DTM	MH
Drop-forged steel, 6 3/8" long, signed "W F BINGHAM". No Bingham with these initials is listed in DATM (Nelson 1999), but these might have been made by the Bingham Toolmakers of Norwich, CT, c. 1857-58.		
<b>92112T9 French pattern cobblers' hammer</b>	DTM	TT
Cast steel, 6 3/8" long, 1 5/8" diameter face, 1 1/2" edge, signed with a lion touchmark.		
<b>111001T36 Leather cutter</b>	DTM	MH
Drop-forged steel, 4 1/4" long, 7/8" diameter serrated cutting edge, signed with the mark "7/8".		
<b>61204T9 Leather slitter</b>	DTM	MH
Brass, steel, iron screws, and wood handle, 7" long, brass slitter 1 3/4" wide, steel slitter 2 3/8" long, unsigned. <a href="http://www.davistownmuseum.org/pics/61204T9.jpg">http://www.davistownmuseum.org/pics/61204T9.jpg</a>		
<b>TCH1004A Leather stretcher</b>	DTM	MH
Drop-forged iron with a wood handle, 10 1/4" long with a 1/2" wide mouth, 5 1/4" long handle, unsigned.		
<b>10216T1 Shoe and boot last</b>	DTM	MH
Forged iron, wood, 24" long, 7" x 2 1/2" head, unsigned.		
<b>30202T1 Shoemakers' lasting pliers</b>	DTM	MH
Drop-forged iron, 8 1/2" long, 1" wide jaws, signed "L. B. Richardson Athol Mass Patented Oct 11, 1859". <a href="http://www.davistownmuseum.org/pics/30202t1.jpg">http://www.davistownmuseum.org/pics/30202t1.jpg</a>		
<b>TCH1001 Tack pry</b>	DTM	MH
Cast steel with rosewood handle, 7 1/4" long, 3 7/8" handle, signed "C.S. OSBORNE & CO. STEEL", c. 1850. DATM (Nelson 1999) lists the C.S. Osborne Co. as located in Newark, NJ, as early as 1826. The C.S. Osborne Co. is still in business; many of its tools have been sold over the last 25 years by the Liberty Tool Co. across the street from the Museum. Www.csosborne.com <a href="http://www.davistownmuseum.org/bioOsborne.html">http://www.davistownmuseum.org/bioOsborne.html</a>		

## Coopers' Tools

<b>3114T2 Barrel hoop set</b>	DTM	MH
Wood (beech), forged iron, 7 3/4" long, 2 5/8" wide, 2 1/4" diameter, unsigned.		
<b>22311T19 Chamfer knife</b>	DTM	TT
Drop-forged iron and steel, 15" long, 5" long blade, signed "L. & I. J. WHITE" "BUFFALO, N.Y." in an oval shape with "1837" in the center, "5" above the trademark, and "A" on the inner handle. This is also called a howelling knife. Part of the Robert Sullivan Collection donation.		
<b>41203T6 Chamfer knife</b>	DTM	MH
Drop-forged iron and steel, wood, 15" long, 5 1/2" long cutting blade, 8" long handle, signed "L. & I. J. White 1837 Buffalo NY" and "5 1/2". DATM (Nelson 1999) notes this famous and prolific maker of coopers' tools and other edge tools worked from 1837 to 1928. Almost all of their tools have the founding date of 1837 marked on them. This is an essential tool for both wet and dry coopers. <a href="http://www.davistownmuseum.org/pics/41203t6_p1.jpg">http://www.davistownmuseum.org/pics/41203t6_p1.jpg</a> <a href="http://www.davistownmuseum.org/pics/41203t6_p2.jpg">http://www.davistownmuseum.org/pics/41203t6_p2.jpg</a>		
<b>81212NOM1 Coopers' adz</b>	NOM	TT (Pub)
Forged steel, wood (hickory), 7 1/2" long, 6" long handle, 8" long head with a 2 3/4" cutting edge and a 1 1/4" x 1 1/4" face, signed "HIGGINS". The signature on this adz probably belongs to the Higgins working in Portland and Bangor Maine, circa 1850's. Courtesy of Sett Balise.		

## Davistown Museum Inventory of Tools - Maritime IV

Coopers' Tools

Status Location

12801T7	<b>Coopers' adz</b>	DTM	MH
<p>Malleable iron and steel, 8" long, 1 1/4" square striking face, 2 9/16" wide blade, signed "VAUGHAN" "PARDOE &amp; COX" "UNION" "WARRANTED".</p> <p>This tool shows some evidence of hand work, including hand filing and hand-forged beveling at the handle socket, which protrudes from the adz's body. An essential and commonly encountered tool in a coopers' workshop, it was used to construct the barrels, kegs, and casks of Maine and New England's fishing and commercial industries and the West Indies and Wine Island trades. This is the first tool in our Vaughan &amp; Pardoe collection with Cox as part of the signature. Donated to the Museum by Rick Floyd.</p> <p><a href="http://www.davistownmuseum.org/pics/12801t7_p7.jpg">http://www.davistownmuseum.org/pics/12801t7_p7.jpg</a>  <a href="http://www.davistownmuseum.org/bioVaughn.htm">http://www.davistownmuseum.org/bioVaughn.htm</a></p>			
7602T3	<b>Coopers' adz</b>	LPC	MH
<p>Malleable iron and steel with wood handle, 9" long, 3" wide blade, 10" long handle, signed with an obscure "KING New York". This large coopers' adz came with the H. A. W. King coopers' broad ax (7602T2) and appears to be of the same vintage.</p>			
11301T5	<b>Coopers' broad ax</b>	DTM	MH
<p>Malleable iron and steel, wood, 9" long blade, 4 1/2" maximum width of blade, 3 1/8" long pole, signed "Beardsley &amp; Tyler". Beardsley and Tyler is not listed in DATM (Nelson 1999), but there was a B. R. Beardsley making axes and edge tools in Elmira, NY, c. 1859.</p>			
7602T2	<b>Coopers' broad ax</b>	LPC	MH
<p>Forged iron and weld steel with wood handle, 17 1/2" long, 9 3/4" blade, signed "H. A. W. KING" "LEWIS STNY" (?). DATM (Nelson 1999) lists an H. &amp; J. W. King as working in New York in 1856, making bits, braces, drawknives, and planes. No other information is available on a King as a maker of coopers' tools. William Horton of New York stamped his tools "121 LEWIS ST N.Y." This coopers' ax is typical of those found in a shipyard at any time in the 19th century. However, even as late as 1868, working coopers played an essential role in supplying vessels of every description with casks and kegs for water, rum, lime, and other liquids, as well as dry cooperage for salt, flour, rope, etc. By 1880 the twilight of the era of the cooper had arrived.</p> <p><a href="http://www.davistownmuseum.org/pics/7602t2_p5.jpg">http://www.davistownmuseum.org/pics/7602t2_p5.jpg</a></p>			
121805T17	<b>Coopers' bung</b>	DTM	MH
<p>Wood with leather header, 5 1/2" long, 4 7/8" wide, unsigned, c. 1850. This is a typical coopers' bung for closing kegs and securing staves; a ubiquitous tool found in every workshop at that date.</p> <p><a href="http://www.davistownmuseum.org/pics/121805t17.jpg">http://www.davistownmuseum.org/pics/121805t17.jpg</a></p>			
913108T45	<b>Coopers' bung</b>	DTM	MH
<p>Recycled steel with a wooden handle, 7 3/4" long, 3 3/4" long blade, unsigned. It is unusual to see a coopers' bung used for a handle attached to a curved blade.</p>			
111412T14	<b>Coopers' bung</b>	DTM	MH
<p>Forged iron, wooden handle, 6 1/4" long, 4" wide, unsigned.</p>			
4713T4	<b>Coopers' curved drawknife</b>	DTM	MH
<p>Cast steel, wood (rosewood), 16 1/2" long, 7 1/8" cutting edge, 5" handles, unsigned.</p>			
102612T12	<b>Coopers' flagging iron</b>	LPC	MH
<p>Malleable iron and steel, 21" long, 4 1/4" wide, unsigned. It is used for spreading barrel staves before caulking.</p>			
42801T7	<b>Coopers' howell</b>	DTM	MH
<p>Wood (tiger maple), steel, 13 7/8" long, 1 9/16" wide blade, unsigned.</p>			
91914T9	<b>Coopers' shave</b>	LPC	TT (Pub)
<p>Wood (beech), steel, 12 1/4" wide, 2 3/4" tall, 3 1/4" edge, unsigned.</p>			
121311T1	<b>Coopers' side ax</b>	DTM	TT
<p>Malleable iron and steel, wood, 17 1/2" long handle, 9" long and 6" wide blade, signed "J. F. Staples". This broad ax shows distinct evidence of iron steeling. James Forest Staples worked in Portland, ME, 1849 - 1856.</p>			
30301T1	<b>Coopers' stove</b>	DTM	LTC
<p>Sheet metal and cast iron, aprox. 38" high, 16" diameter, unsigned. This stove was made in Liberty and was used in the 19th century by the dry coopers to heat the metal rings for the barrels. It is on display at the Davistown Museum Liberty Tool Annex.</p>			

## Davistown Museum Inventory of Tools - Maritime IV

Coopers' Tools  
Status Location  
LPC TT

9714T1	<b>Coopers' vise</b>		
Wood, steel, 7" long, 8" handle, 3 1/4" wide, unsigned.			
111412T15	<b>Coopers' vise</b>	DTM	MH
Drop-forged steel, 4" long, 3" wide, unsigned. This tool is a screw with a curved handle.			
31808PC10	<b>Croze</b>	DTM	MH
Steel, copper trim, brass screws, and wood, 13 3/4" long, 1/4" cutter, signed with an 1850 woman's profile and 4 stars over her head plus three decorative copper coins.			
11814LTC1	<b>Double handled scorp</b>	LPC	TT (Pub)
Forge-welded steel, wood (maple), 5" long edge, 4 1/2" long handles, signed "J.L. WILLIAMS PHILADA". This maker is mentioned in the DATM (Nelson 1999) but there is no information other than their location.			
120907T3	<b>Drawshave</b>	DTM	TT
Malleable iron, forged steel, and wood, 15" long, 1 5/8" long blade, and 4 1/2" handles, signed "L & IJ WHITE" "18*7" and "BUFFALO N.Y." in an oblong oval with "6" on the other side. This coopers' shave shows evidence of a forge welded edge.			
31808SLP28	<b>End shave</b>	DTM	TT
Steel and wood, 7 1/2" long, 4 5/8" wide, unsigned. <a href="http://www.davistownmuseum.org/pics/31808slp28-1.jpg">http://www.davistownmuseum.org/pics/31808slp28-1.jpg</a> <a href="http://www.davistownmuseum.org/pics/31808slp28-2.jpg">http://www.davistownmuseum.org/pics/31808slp28-2.jpg</a>			
9514T1	<b>Fenced V croze</b>	LPC	MH
Wood (beech), steel, cast iron, 14" long, 6" wide, 8" tall, signed "D.B. MCKAY" (owner's mark).			
100605T2	<b>Hoop driver</b>	DTM	MH
Steel with wooden handle, 5 1/8" long head with 1 1/2" drive, 12 1/2" long handle, signed "A. G. MORSE&CO" "BOSTON". This is an undistinguished example of a coopers' driver, also known as a hoop set, with a previously unrecorded maker's sign. This tool was found in a barn in Washington, Maine.			
81801T13	<b>Hoop driver</b>	DTM	MH
Cast steel with wood handle, 4 5/8" long head, 1 5/8" long groove, signed "C. Drew & Co. Cast Steel". This is a rare Drew tool. <a href="http://www.davistownmuseum.org/pics/81801t13.jpg">http://www.davistownmuseum.org/pics/81801t13.jpg</a> <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>			
51201T3	<b>Hoop driver</b>	DTM	MH
Steel, iron, and wood, 7 3/4" long including a 4 3/8" handle, 2 5/8" wide driver, unsigned. An iron ferrule is at the end of the wood handle. This is an excellent example of a coopers' hoop driver or bung with a provenance from a New Bedford cooperage, c. 1860. <a href="http://www.davistownmuseum.org/pics/51201t3.jpg">http://www.davistownmuseum.org/pics/51201t3.jpg</a>			
51606T10	<b>Hoop driver</b>	DTM	MH
Puddled steel and wood, 9 1/4" long including an 8" wood handle, 1 1/2" head, unsigned. The maker's mark is obscured by a heavily peened head showing many years of intensive use.			
92614T1	<b>Hoop vise</b>	DTM	MH
Steel, iron, wood, 36" tall, 22" wide, 2 1/2" thick two-piece frame, unsigned. This two-piece tool looks like a vise used in the production of hoops for barrels and possibly wheels.			
9514T3	<b>Howell</b>	LPC	MH
Wood (beech), steel, 13" long, 6" tall, 5 5/8" wide, signed "BOSTON" (faint). The bolts on the plane appear to have been added long after it was made.			
9514T14	<b>Lance croze</b>	LPC	MH
Wood (beech), steel, 15" wide, 11 1/4" long, 5" tall, unsigned.			

## Davistown Museum Inventory of Tools - Maritime IV

Coopers' Tools  
Status Location  
DTM TT

### 31808SLP29 Shave

Steel and wood, 11 1/2" long, 4" long blade, unsigned.

<http://www.davistownmuseum.org/pics/31808slp29-1.jpg>

<http://www.davistownmuseum.org/pics/31808slp29-2.jpg>

### 121311T2 Shingle knife

DTM TT

Puddled or German steel, wood handle, 8 3/4" long, 2 3/4" wide, signed "Higgins & Libby" "8" "Portland".

It is likely to be made of local forged puddled or German steel. Higgins & Libby worked in Portland, ME, in 1856.

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

## Domestic Utensils

### 112303P1 Apple corer (?)

DTM MH

Wood, 10 1/4" high, 10 1/2" wide, 7" by 2 1/4" footing, mounted on 15" by 8" base, unsigned.

This is a typical homemade primitive of the 19th century. Was this used as an apple corer or a yarn winder?

### 61617T1 Butter knife

DTM TT

Steel, wood (rosewood), 9 3/4" long, 7/8" wide, 1/2" thick, signed "KIMBALL CLARK & CO SUGAR RIVER WORKS".

Kimball, Clark & Co. opened in Claremont, NH, in 1852 as a shoe and butcher knife manufacturer (The New England Farmer, Volume 4, 1852).

### TCP10040 Button hole cutter

DTM MHC

Cast steel, 3 1/2" long, 3/8" thick handle, 15/16" wide cutting edge, signed "W.N. SEYMOUR & Co NEW YORK".

William N. Seymour & Co. operated circa 1828 to 1861. After 1842 they were listed as a hardware company (Nelson 1999, 707).

### 31701T1 Candlewick cutter

DTM MH

German (?) steel with cast iron handles, 5 3/4" long, signed "W\_BANNA\_ PATD \_ 25th \_\_\_\_".

No such maker is listed in DATM (Nelson 1999). This is a generic 19th century tool with a mysterious maker's mark.

### 61601T1 Cleaver

DTM MH

Cast steel, 15 5/8" long, 10 1/4" blade, signed "BILLINGS" "CAST STEEL" "AUGUSTA".

This tool is intriguing because its steel cutting surface is welded to a steel, not iron, body. Is the body of the cleaver "cast steel" or a lower quality puddled or blister steel? Many Billings are listed in the Registry of Maine Toolmakers as working in N. Monmouth, Clinton, and Saco. John P. Billings and his son George made axes in Clinton from about 1860 to 1909. Other members of the Billings clan are listed as making tools as early as the 1840s.

When making this cleaver (as well as the clapboard slick also in the collection of The Davistown Museum) did Billings utilize imported English cast steel or American made cast steel (1865 f.)?

[http://www.davistownmuseum.org/pics/61601t1\\_p2.jpg](http://www.davistownmuseum.org/pics/61601t1_p2.jpg)

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

### 30106T1 Earthen redware pot

DTM MH

Redware, 5 1/2" diameter top, 3 1/4" diameter bottom, 5" high, unsigned.

It has an incised one inch band with black stain at top and a brown drip glaze interior.

### 111001T22 Graining tools (set of 11)

DTM MH

Cast steel, 3 1/2" high, widths vary from 3/4" to 4", unsigned.

These are used for grain patterning painted surfaces, especially on blanket chests and other Victorian style cottage furniture.

<http://www.davistownmuseum.org/pics/111001t22.jpg>

### 101701T8 Gun powder flask

DTM MH

Brass and leather, 7 1/2" long, 2 1/2" brass nozzle with closure, unsigned.

This is a generic Civil War era gunpowder container with hand sewn leather.

### 72002C1 Ink bottle

DTM T-R

Ceramic stoneware, 7 1/2" high, 3" diameter, unsigned.

Liberty Tool Company recovered several hundred of these ink bottles from a Boston resident who had dug them up from a school (?) dump. Around the Civil War era, these were used to hold ink for the public schools before the changeover to glass ink bottles.

### 92001T7 Milk bowl

LPC MH

redware, unsigned.

It was made by John Corliss's pottery at Days Ferry, ME, just across the Kennebec River from Bath.

## Davistown Museum Inventory of Tools - Maritime IV

Domestic Utensils

Status Location

### 71401T16 Pinching iron

DTM MH

Drop-forged iron, 10 3/8" long, unsigned.

This is a typical 19th century pinching iron, used for straightening hair.

<http://www.davistownmuseum.org/pics/71401t16.jpg>

### 121805T4 Scissors

DTM MH

Steel, 10" long, signed "SUPREMO", c. 1850-60.

These are a nice example of Italian scissors of the early Industrial Revolution - i.e. an early example of drop-forging.

[http://www.davistownmuseum.org/pics/121805t4\\_p2.jpg](http://www.davistownmuseum.org/pics/121805t4_p2.jpg)

### 914108T14 Scissors

DTM MH

Drop-forged steel, brass screws, 4 1/6" long, signed "BARCLAY".

Possibly this is Barclay & Co. of Newark, NJ, who made leather tools circa 1875 - 1885. These scissors have a special notch cut out of the blades.

### 61617T5 Scraper

DTM TT

Steel, wood, 9" long, 1 1/2" wide, 7/16" thick, unsigned.

### 22816LTC1 Shears

DA TT  
(Pub)

Steel, 10 1/4" long, 3 9/16" wide, 1 7/8" thick, signed "WM BRAITHWAIT SHEAR STEEL".

Braithwait is listed in the 1841 York, Sheffield directory as a scissor manufacturer.

### 41801T6 Shears

DTM MH

Malleable iron and steel, 12 1/2" long, 6 1/2" long blades, signed "P H Hahn NY".

It could be signed Hahn? No makers with this mark are listed in DATM (Nelson 1999). This tool is difficult to date (1840 - 1880?) but has a clearly defined steel cutting edge welded to the iron blade similar to many axes made during this period.

### 50402P1 Tintype in a reliquary with a bible

NOM

Ivory and tin, 13/16" wide, 1" high tintype; 1 5/8" wide, 2" high reliquary; 1" high, 1/2" wide bible, signed "H Ramsdell, Lubec, Oct 1 1863" on ivory.

The tintype is a photograph of a Civil War soldier who perhaps died on or near the date. The reliquary and bible have been polychromed. The reliquary is made of ivory scrimshawed in colored ink with flags, tent, weeping willow, and three guns. The bible is scrimshawed with flowers. Henry Ramsdell of Lubec was in the 15th Infantry, Maine Volunteers. Born circa 1843, he was at Harper's Ferry and Louisiana battles during the Civil War. More information about Ramsdell is welcomed. These pieces were loaned to the Museum by Robert Wheeler for the 2002 exhibit and have now been returned.

[http://www.davistownmuseum.org/pics/50402p1\\_p1.jpg](http://www.davistownmuseum.org/pics/50402p1_p1.jpg)

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

### 71114T3A Tooth key

DA TT  
(Pub)

Steel, wood (ebony), 5" x 3", unsigned.

## Files

### 913108T24 File

DTM MH

Medium carbon steel and wood, 7 3/4" long, unsigned.

The use of this tool is unknown. It looks similar to a planemakers' float but originated with a collection of leatherworking tools in Merrimac, MA, in 2008. The uniformity of the grooves, which are only on one side, suggests it is machine-made.

### 121805T25 File

DTM MH

Cast steel, 13 1/4" long, 9/16" diameter, signed "6 granobs" and "cuss stahl".

This file is entirely handmade and hand cut in the traditional file-making manner. Stahl is steel in German and cusseisen is cast iron.

<http://www.davistownmuseum.org/pics/121805t25.jpg>

### TCL1002 Selection of files

DTM MHC-H

Forged steel, unsigned.

This selection of files illustrates the transition from the imported steel files c. 1800 to the c. 1900 mass-produced files.

## Fishing Implements

### 62814T1 Block pulley

LPC MH

Cast steel, wood (oak, sheaves might be boxwood?), 12" x 13" x 9", unsigned.

## Davistown Museum Inventory of Tools - Maritime IV

Fishing Implements

Status Location

### 112704T3 Frost fish spear

DTM MH

Forged iron, wood handle, iron ferrule, 6 spears, 6 3/8" long, 2 3/8" wide, 4 1/2" long ferrule, 38" long handle, unsigned.  
See the description of this type of tool under tool #112704T2.

### 112704T2 Frost fish spear

DTM MH

Forged iron, wood handle, 8 spears, 4 1/2" long, 2 3/4" wide, 38 1/4" long handle, unsigned.

Found in an Achusnet, MA, fishing shed, this hand-forged fishing spear and a second one (112704T3) are difficult to date and may be early 19th century or possibly late 18th century. These tools were used in the tradition of Native Americans to spear fish from shore which, especially on cold nights of the first fall frosts, swarm to the sandy shallows and mudflats of New England coves and estuaries. Frost fish were especially common in the warmer water of Buzzards and Narragansett Bays, but are also a tradition in Maine rivers and inland bays.

### 10910T1 Swordfish harpoon head

DTM MHC-G

Brass, 6" long, 1 5/8" wide, unsigned, c. 1865-1900's.

<http://www.davistownmuseum.org/pics/10910t1web2.jpg>

<http://www.davistownmuseum.org/pics/10910t1web1.jpg>

## Hammers

### 52603T18 Ball peen hammer

DTM MH

Drop-forged iron or steel, wood, 10 1/4" long, 3 1/2" head, unsigned.

### TTCR1002 Ball peen hammer patterns (2)

DTM MH

Forged iron or steel, 9 1/2", unsigned.

This curious artifact is probably two ball peen hammers rejected as seconds prior to drop-forging. Do they represent the early stages of drop-forge production? Comments are solicited.

### 33002T16 Claw hammer

DTM MH

Forged iron and steel, 5 3/8" long, 1" square face, signed "C. BARNARD".

Barnard is not listed in DATM (Nelson 1999); another unregistered American (?) toolmaker of the 19th century.

<http://www.davistownmuseum.org/pics/33002t16.jpg>

### TCM1001 Cobblestone hammer

DTM MH

Forged iron and steel, 12" long, 1 1/8" round face, signed "COCKRHYMES & CO" on one side and "J.T. & CO" on the reverse side. It has distinct beveling on the head; the prototypical tool used to construct the cobblestone streets of Portland, Boston, and other Atlantic coastal cities. It may have been drop-forged.

<http://www.davistownmuseum.org/pics/TCM1001.jpg>

<http://www.davistownmuseum.org/pics/TCM1001-2.jpg>

### 913108T10 Granite hammer

DTM MH

Iron and steel, 5" long, 4 3/4" diameter, unsigned.

One end of the hammer head is in a star shape and is used to break up granite.

### 32802T14 Gristmill stone hammer (?)

DTM MH

Forged iron and steel, 8 7/8" long, 1 3/8" cutting edge, signed "JOHN HARTMAN Boston Mass".

DATM (Nelson 1999) does not list this hammer-maker.

<http://www.davistownmuseum.org/pics/32802t6a.jpg>

### 121805T13 Hammer

DTM MH

Forged iron and steel, wood, 10 3/4" long including wooden handle, 4 9/16" wide, 1" diameter head, unsigned.

This is an incomplete example of one of America's first patented hammers. One piece below the looped claws is missing.

[http://www.davistownmuseum.org/pics/121805t13\\_p2.jpg](http://www.davistownmuseum.org/pics/121805t13_p2.jpg)

### 041505T17 Hammer

DTM MH

Forged iron and steel with wood handle, 14 3/8" long handle, 5 7/8" long face, 2 faces both 1" diameter, unsigned.

This old hammer shows evidence of hand-forging and filing, but was probably drop-forged before it was reworked by hand. It is part of the hammer study group. It is the hammer on the left of the photograph.

<http://www.davistownmuseum.org/pics/041505t11.jpg>

## Davistown Museum Inventory of Tools - Maritime IV

Hammers

Status Location

### 041505T12 Hammer

DTM MH

Forged iron and steel, wood handle, 9 3/4" long including handle, 4 1/2" head, 1/2" wide hatchet-like cutting edge, 15/16" diameter face, unsigned.

Clearly made of hand-filed steel, this hammer is difficult to date and of unknown use. It is part of the hammer study group. It is the hammer on the far right of the photograph with its handle pointing upward.

<http://www.davistownmuseum.org/pics/041505t4.jpg>

### 123012T2 Hammer head casting

DTM TT

Cast iron, 6 1/2" long, 1 1/2" wide, 1" face, signed "5".

This appears to be a half-finished hammer head casting.

### 31602T4 Millstone facing hammer

DTM MH

Iron, steel, and wood, 9 1/2" long, 4 1/2" long head, 1 3/8" wide steel faces, unsigned.

### 041505T14 Sledge hammer

DTM MH

Forged iron and steel, wood handle, 23 1/2" long handle, 7 1/4" long head, 1 1/2" square peen and 3/4" square face, unsigned.

This old sledge shows evidence of hand-forging and filing. It is probably smith-made in the mid-19th century.

<http://www.davistownmuseum.org/pics/041505t14.jpg>

### TCM1006 Stone hammer

DTM MH

Forged iron and steel with wood handle, 10" long, head 2 1/2" long and 1/2" wide, signed with the touchmark "AHEW" (in a triangle). The handle has a twist design at the grip.

### TML1003 Tack hammer

DTM MH

Drop-forged steel, 4 5/8" long, 1/2" diameter, signed "C. DREW & CO".

Drew hammers are rare; this one has a split face.

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

### TCM1002 Tack hammer

DTM MH

Drop-forged iron and steel, wood, 13 3/4" long, 2 5/8" long head, 5/8" diameter face, unsigned.

It was probably used in the carriage-making trade.

### 090109T6 Tack hammer

DTM MH

Tool steel and wood, 3 1/2" long, 9/16" wide head, 6 1/2" long wooden handle, signed "E.LIBBY".

### TBL1003 Tack hammer head

DTM MH

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

<http://www.davistownmuseum.org/pics/51100t6.jpg>

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

## Ice Tools

### 040904T4 Ice ax

DTM MH

Iron and weld steel, 11 1/4" long, 2 3/4" wide blade, signed possibly "DERNELL & Co" "ATHENS NY".

This is a generic ice ax. The signature is partly obscured and appears to have the letters above. The Village of Athens, 1896 Greene County Directory lists: "Frederick F. Dernell (H. F. Dernell & Co.)---res. Washington St. near Third St." [on the web at: [http://www.rootsweb.com/~nygreen2/1896\\_village\\_of\\_athens.htm](http://www.rootsweb.com/~nygreen2/1896_village_of_athens.htm)]. DATM (Nelson 1999, 222) lists H. F. Dernell & Co. in Athens, NY, with working dates from 1854-1917.

[http://www.davistownmuseum.org/pics/040904t4\\_p1.jpg](http://www.davistownmuseum.org/pics/040904t4_p1.jpg)

### 71903T2 Ice saw

DTM MH

Steel with cast iron and wood handle, 45 1/2" long, 7 3/4" wide at widest point, unsigned.

This double sided ice saw has an atypical form -- smaller than most ice saws. This may have been a limited production saw from a small foundry. It has a Maine provenance.

### 71114T5 Ice saw

LPC MH

Steel, bone, 8 1/4" long, 4 1/2" blade, signed "WELCH & GRIFFITHS BOSTON CAST STEEL WARRANTED".

This appears to be recycled from the blade of some other tool. Welch & Griffiths operated from 1830-1871 (maybe later).

### 12713T2 Two man ice crosscut saw

DTM MH

Spring steel, iron, wood (beech), 52" long, 5 1/2" at widest, 42" long cutting edge, 10 1/4" long handles, unsigned.

## Davistown Museum Inventory of Tools - Maritime IV

Ice Tools

Status Location

### 12713T1 Two man ice saw

DTM MH

Spring steel, iron, wood (beech), 52 1/2" long, 4 3/8" at widest, 41" long cutting edge, 8 1/4" long handles, unsigned.

## Knives

### 71401T19 Banana knife

DTM MH

Drop-forged steel, wood, and brass, 10" long, 3 1/8" wood handle, unsigned.

This is an example of a now forgotten tool, the banana knife.

### 41801T2 Oyster knife

DTM MH

Wood, steel and brass, 6 3/4" long, 3 5/8" blade, signed "TUCK".

It is sometimes also called a clam knife. This Brockton Massachusetts company was established from 1852 until 1915, and made prolific quantities of hand tools including screwdrivers. The Davistown Museum is seeking more information on this toolmaker

### 51606T14 Putty knife

DTM MH

Steel and rosewood, 7 1/8" long including a 3 1/2" oval handle, signed "J Russell & Co. Green River Works".

This is a mundane tool made by one of America's most important toolmakers, the John Russell Mfg. Co.

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

### 31808PC11 Trappers' knife

DTM MH

Steel, copper trim, and wood, 9" long, 4 7/8" blade, signed "RUSSELL & CO." and "GREEN RIVER WORKS" on the blade.

John Russell & Co. was located in Deerfield and Greenfield, Massachusetts from 1832 - 1865.

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

## Logging Tools

### 71903T7 Log rule

DTM MH

Wood, 48" long, unsigned.

Clearly hand stamped, this logging rule may predate the era of the factory-made Lufkin logging rule.

### 4105T6 Peavey

DTM MH

Malleable iron, 9 1/4" long, unsigned.

This hand wrought peavey point is nicely forge-welded and could also be early 19th century. It is a nice example of the craft of the blacksmith and the beauty and ductility of malleable iron.

### 913108T13A Peavey

DTM MH

Malleable iron, 12 1/2" long, signed "WILLARD", the first initial is obscured.

This tool is also known as a cant dog spike.

### 913108T12 Spike

DTM MH

Hand-forged malleable iron, 11 6/8" long, signed "J. H. PEAVEY" "\_ANGOR, ME".

This is the spike end from a cant hook or peavey. DATM (Nelson 1999) believes that James Henry Peavey of Bangor, Maine, was probably part of the Peavey Tool Co.

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

### 61204T8 Spud

DTM MH

Forged iron and steel, 19" long including 5 5/8" long handle, signed "\_\_\_\_ Brewer Maine".

This tool is made of forge-welded iron and steel with a distinctive forge-welded iron socket. This is a classic example of a 19th century spud used to remove the bark from a log, either for preparing the log for the mill or removing the bark (e.g. Hemlock) for the tannery. Part of the signature is not legible. Could this be an early forge-welded Snow & Nealley tool?

<http://www.davistownmuseum.org/pics/61204T8.jpg>

### 4713T2 Timber scribe

DTM MH

Wood (rosewood), hand-forged steel, 5" long, 1 1/4" tall, 5/8" wide, 1 1/2" long cutting blade, unsigned.

### 42112LTC1 Timber scribe knife

DA TT  
(Pub)

Forged steel, brass, 3 1/2" long handle, 2 1/2" long blade, unsigned.

Courtesy of Liberty Tool Co.

## Machinists' Tools

In the early years of the Industrial Revolution, machinists sometimes made their own hand tools as well as the machinery that produced the things they were manufacturing. The tools in this section are typical of those which might be found in a mid-19th century machine shop just prior to the era of mass production of hand tools. The owner made, or small factory made hand tool or machine is often characterized by evidence of hand filing, which continued to be the primary method of finishing tools and machinery until the advent of the milling machine.

Some of the best examples of machinery made in this era are the massive lathes and other equipment on display from the Robbins & Lawrence Armory Machine Shop at the American Precision Museum in Windsor, VT.

**TCQ1001A Calipers** DTM MH

Malleable iron or steel, brass rivet, 13 1/2" long, unsigned.

**121805T5 Calipers** DTM MH

Tempered alloy steel, 12 1/2" long, signed "H. C. Perry" and "H.C.P.", c. 1850.

No H. C. Perry is listed in the Directory of American Toolmakers (Nelson 1999). These exquisitely made cast steel calipers are almost certainly American-made by the owner of a small machine shop. A gorgeous finely made specimen from the classic period of the florescence of American toolmakers.

[http://www.davistownmuseum.org/pics/121805t5\\_p2.jpg](http://www.davistownmuseum.org/pics/121805t5_p2.jpg)

**10514T1 Combination double calipers** DA TT  
(Pub)

Steel, 6 1/8" long, 1" wide, 3/16" thick, signed "L P BARNES PAT APL'D FOR".

L.P. Barnes is not listed in the DATM (1999) and no patents seem connected to these calipers in the U.S.

**41203T5 Depth gauge** LPC MH

Tempered alloy steel, 4" depth gauge on a 3 3/8" long, 15/32" wide japanned base, signed "D & S".

D & S is the mark on the very rare tools of Darling & Schwartz, Bangor, ME, 1854 - 1866. This is the only known example of this tool -- a treasure from the boomtown years of Bangor, by one of America's finest machinist toolmakers.

[http://www.davistownmuseum.org/pics/41203t5\\_p3.jpg](http://www.davistownmuseum.org/pics/41203t5_p3.jpg)

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

**TCP1005A Dividers** DTM MH

Cast steel, 6 7/16" long, signed "H.A. PAGE CAST STEEL", c. 1840 (?).

This maker is not listed in DATM (Nelson 1999). It is similar in style to both Boker and Stevens calipers. Boker tools were imported from Germany and Stevens manufactured calipers of this style in Holyoke, MA.

<http://www.davistownmuseum.org/pics/tcp1005a.jpg>

**TCP1004A Dividers** DTM MH

Forged iron, 7 3/4" long, signed "W.D.EVANS".

DATM lists a William B. Evans as an ax maker of Compton, NH, c. 1884. This divider appears older than that.

<http://www.davistownmuseum.org/pics/tcp1005a.jpg>

**041505T37 Double calipers** DTM MH

Malleable iron or steel, signed "PAT APL'D FOR" "J.P. BARNES".

No J. P. Barnes is listed in DATM (Nelson 1999).

[http://www.davistownmuseum.org/pics/041505t37\\_p2.jpg](http://www.davistownmuseum.org/pics/041505t37_p2.jpg)

**41617T2 Equal spacing drafting divider** DTM TT

Steel, 6 1/8" long, expands from 1 7/16" to 10 3/4" long, signed "T. ALTENEDER & SONS PHILA. PA.".

Theodore Alteneder & Sons worked circa 1850. (DATM 1999)

**2713LTC1 Fay calipers** DA TT  
(Pub)

Hand-finished cast steel, 5 1/4" long, 2 3/8" wide, signed "PS STUBS".

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

**50402T6 Height gauge** DTM MH

Tempered alloy steel, 3 5/8" long with 1 5/8" diameter base, unsigned.

This exquisite shop-made machinist tool was probably made just prior to the appearance of factory made surface gauges in the classic period of American machinists' tools (1865 - 1900).

## Davistown Museum Inventory of Tools - Maritime IV

Machinists' Tools  
 Status Location  
 DA TT  
 (Pub)

### 2114LTC1 Horologist's clock mainspring gauge

Brass, steel, 5 15/16" long, 15/16" wide, signed "SUSSFELD LORSCH & CO NEW YORK" "DENNISON U.S. STANDARD".

### 22411T24 Inside/outside calipers

Cast steel or German steel with brass knob and copper rivet, 5" long and 2" wide closed, signed "P S STUBS".

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

### 33002T6 Knurling tool

Steel, 5 1/2" long handles, 3 13/16" wide, 4 1/2" diameter knurling cutters, signed "55" for 1855 (?).  
 It is typical of the shop produced machinists' hand tools of the pre-mass production era.

<http://www.davistownmuseum.org/pics/33002t6.jpg>

### TJG1002A Level

Brass and drop-forged iron, 7 3/4" long, 7/8" wide, signed with the mark "1862".  
 Who made this level? Probably it is a user-made or at least a locally produced tool.

### 71908T1 Level

Wood and brass, 24" long, 2 5/8" wide, and 1 1/2" deep, signed "O. Little" and also has a paper label "SPIRIT LEVEL", "OF ALL KINDS," "MADE AND WARRANTED BY" and "\_\_\_ McCOSKRIE".  
 DATM (Nelson 1999, 525) lists James McCoskrie of East Cambridge, MA as a maker of levels in 1848-1850. This name matches the partially legible label, which also states "Camb" on the torn bottom line. O. Little was the owner.

<http://www.davistownmuseum.org/pics/71908t1-3.jpg>

### TCP1001 Level

Cast iron, 8 1/4" long, 7/8" wide, 1 5/16" high, unsigned.  
 This 19th century tool comes from southern New England. It is typical of a tool manufactured at the location the tool was used, probably by the person who made it.

### 5915T3 Machinists' level

Steel, glass, 6 13/16" long, 1" tall, 5/8" wide, signed "G.W. LOTHROP. 1856" (oak leaves).  
 Lothrop is not listed in the DATM (1999) or Directory of Sheffield. A George W. Lothrop, owner of a general store, was married in 1856 in Maryville California and a George W. Lothrop Jr. of Woonsocket, Rhode Island has an 1881 patent on a heddle frame connection for looms.

### 21201T9 Machinists' level

Tempered alloy steel, 9" long, 13/16" wide, unsigned.  
 This is an elegant owner-made shop tool dating from an era (1840 - 1860) where machinists often made their own tools.

### 41203T2D Machinists' pry bar

Forged steel, 15 1/2" long, signed "C. Drew & Co. No 75".

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

### 040103T5 Marking gauge

Tool steel, 12 1/4" long with 4" sliding gauge, signed "D. Cummings".  
 No D. Cummings is listed in DATM (Nelson 1999). The sliding gauge is attached to the middle of the rule by an adjustable nut. The unusually odd design of this early machinists' tool and its perplexing signature make this an intriguing example of either a one-of-a-kind tool or one made in very limited quantities. Who was D. Cummings and where and when did he work?

[http://www.davistownmuseum.org/pics/040103t5\\_p1.jpg](http://www.davistownmuseum.org/pics/040103t5_p1.jpg)

[http://www.davistownmuseum.org/pics/040103t5\\_p2.jpg](http://www.davistownmuseum.org/pics/040103t5_p2.jpg)

### 71903T6 Rule

Tool steel, 24", signed "D & B Bangor Me USA Stnd".  
 One of the rarest of all marks, Darling & Bailey made machinist rules in Bangor, Maine, for only one year before becoming Darling & Sharpe (1854), the precursors of the famous Brown & Sharpe Company. This rule is also marked "Shr" for shrunk on one side with increments in tenths of inches.

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

### 14302T16 Screw plate

Tool steel, 10 1/4" long, unsigned.  
 This is a typical machinist tool of the mid-19th century.

## Davistown Museum Inventory of Tools - Maritime IV

Machinists' Tools

Status Location

### TCP1004B Set of boxed precision ground bearings

DTM MH

Tool steel, 8" long, 2 3/4" wide, unsigned.  
The sizes are all hand stamped.

### 52603T6 Spring calipers

DTM MH

Tempered alloy steel or tool steel, 3" long, signed "F. TROMRLEV".  
Perhaps the signature is Trombley?

### 52603T7 Spring calipers

DTM MH

Tempered alloy steel, 3 6/16" long, unsigned.

### 111001T38 Surface gauge

DTM MH

Malleable iron and steel, 4 1/8" long, 4" high, unsigned.

This is a finely constructed tool; ornate in form with a carefully filed surface. It is typical of a shop-made tool from the beginning of the Industrial Revolution.

### 111001T20 Surface gauge

DTM MH

Malleable iron and steel, 6" high, unsigned.  
This is a typical shop-made tool of the era.

### 22512LTC6 Tap and die set

DA TT  
(Pub)

Drop-forged tempered alloy steel, drop-forged steel bits, 8 1/2" x 5 1/2" x 1 1/2", signed "GREENFIELD" "GERMANY" "GTD".  
The set includes 9 dies, 12 taps, and a T Handle from various manufacturers. Courtesy of Liberty Tool Co.

### 41617T4 Tap threading wrench

DTM TT

Cast steel, 16 1/2" long, 1 1/8" capacity, 4 1/2" wide, signed "E.G. LAMSON".  
Ebenezer G. Lamson & Co. worked out of Windsor, VT circa 1850-1877 (DATM 1999).

## Measuring Tools (Except Machinist Tools)

### 11301T9 Adjustable calipers

DTM MH

Tool steel, 5" long, signed "W. D. Smith PAT Sep 24 67".

There is no W. D. Smith listed in DATM (Nelson 1999). Who was he and where did he make calipers?

### 12801T14 Bevel square

DTM MH

Wood, forged iron, and brass, 12" blade with 7 3/8" long handle, signed "Tidgewell & Co. Middletown Ct".

DATM (Nelson 1999) lists Tidgewell as working c. 1850. This is an uncommon signature and one of America's earliest manufacturers of carpenters' measuring tools. This is the only Tidgewell seen by the Liberty Tool Co. in 31 years, but we may not have looked as carefully as we should have for these often difficult to see signatures (located on the wood handle, not on the iron or steel blade.)

### TCP1004 Compass

DTM MH

Malleable iron or steel, 6" long, signed "THEWLIS & GRIFFITH".

Worrall's directory of Warrington, Wigan, St. Helens [England] (1876, 27) lists Thewlis & Griffith as file and tool manufacturers, Phoenix Works, Mercy St., indicating Thewlis Shaw as one of the principals.

### 42602T2 Cordage rule

DTM MH

Boxwood and brass, 6 5/8" long, 2 1/2" wide, signed on the edge of the rule "KERBY & BRO." and "\_\_\_\_ CORDAGE CO PLYMOUTH \_\_\_\_".

It is also marked "Estimated Weight of Rope" with four columns marked: "CIR. INCHES", "DIA INCHES", "WEIGHT ONE FATH MANILA", and "WEIGHT ONE FATH TAND HEMP". This Kerby cordage rule is also typical of the rules made by Stanley Rule and Level Co. for wharf men and skippers. See Philip Stanley's (1984) "Boxwood and Ivory" for additional information about this type of tool. DATM (Nelson 1999, 446) lists Kerby & Bro. in New York City. Phil Platt states "Kerby & Bro were reported as rulemakers at 51 Fulton St., NY and 90 Fulton St. NY. The Kerby in both firms has always been considered the same person or of the same family. Unfortunately, I do not have any better dates to indicate which firm came first. However, I do have one barrel head gauge that carries the imprint of Kerby & Davidson makers 95 Bowery NY. The 'imprint' is very well done and impressive -- judging on that basis I would guess that Kerby & Davidson is the later or successor firm. Also 'Bowery' begins about 6 blocks north of Fulton St. and runs north (Fulton is E-W). If memory serves me 1883 saw the opening of the Brooklyn Bridge -- which probably spurred land development north of the Manhattan end of the bridge (Fulton St. is 3 blocks south of the bridge entrance). H. Davidson is listed in DATM as working 1885 forward, I have two pieces carrying the H. Davidson mark at 95 Bowery."

[http://www.davistownmuseum.org/pics/42602t2\\_p1.jpg](http://www.davistownmuseum.org/pics/42602t2_p1.jpg)

[http://www.davistownmuseum.org/pics/42602t2\\_p2.jpg](http://www.davistownmuseum.org/pics/42602t2_p2.jpg)

		Status	Location
<b>82709T1</b>	<b>Cordage rule</b>	DTM	MH
<p>Boxwood and brass, 4 3/4" long, 1 7/8" wide, and 3/16" thick, signed on one edge, "KERBY &amp; BRO.N.Y." The back of the rule is marked "JOHN A. ROEBLING'S SONS CO.", "MFR'S OF WIRE ROPE", and "TRENTON, N.J.".</p> <p>John A. Roebling's Sons Co. was a wire rope manufacturer with one of its locations in Trenton, New Jersey. The company began operating around 1842 and was sold in 1952 (<a href="http://www.inventionfactory.com/history/main.html">http://www.inventionfactory.com/history/main.html</a>). Kerby &amp; Bro. was a 51 Fulton St., NY, NY, maker that specialized in rules, operating from as early as 1860 (<a href="http://home.att.net/~philcannon/makers.htm#K">http://home.att.net/~philcannon/makers.htm#K</a>). This rule, made by Kerby, is advertising the Roebling's wire rope.</p> <p><a href="http://www.davistownmuseum.org/pics/82709t1-2.jpg">http://www.davistownmuseum.org/pics/82709t1-2.jpg</a>  <a href="http://www.davistownmuseum.org/pics/82709t1-1.jpg">http://www.davistownmuseum.org/pics/82709t1-1.jpg</a></p>			
<b>42801T6</b>	<b>Dividers</b>	DTM	MH
<p>Cast steel, signed "S H F Bingham Cast Steel".</p> <p>No SHF Bingham is listed in DATM (Nelson 1999) or in Cope's (1993) American Machinists' Tools; probably a heretofore unrecorded American toolmaker. Was there an English manufacturer with this name?</p>			
<b>TCP1002A</b>	<b>Folding rule</b>	BDTM	MH
<p>Wood and brass, 12" long, signed "J. WATTS BOSTON".</p> <p>DATM (Nelson 1999) lists a Joseph Watts as a manufacturer of rules, bevels, gauges, scales, dress squares, and log calipers, c. 1849. This is the only J. Watts rule the curator has seen in over 30 years in the tool business. Phil Platt states "Joseph Watts' working dates were 1834 - 1849 (D.A.T.) He apparently worked at rule making, making gauges and squares in Charlestown, MA.; but, marked at least the rules 'BOSTON'. There are many Watts' family members in and around the city of Boston. Don and Anne Wing, Marion, MA (EAIA) are currently doing research on J. Watts and trying to connect him back to English rule makers. See: Milt Bacheller (2000) 'American Marking Gages' for an extensive write up on the Watts family."</p> <p><a href="http://www.davistownmuseum.org/pics/tcp1002A_p2.jpg">http://www.davistownmuseum.org/pics/tcp1002A_p2.jpg</a>  <a href="http://www.davistownmuseum.org/bioWatts.html">http://www.davistownmuseum.org/bioWatts.html</a></p>			
<b>63001T3</b>	<b>Framing square</b>	DTM	MH
<p>Cast steel, 12" x 24", signed "J. Essex CAST STEEL WARRANTED No 1".</p> <p>DATM (Nelson 1999) lists Jeremiah Essex as making squares in Bennington, Vermont, 1830 - 59 before merging with the Eagle Square Co. in 1859. The variety of numeration on this square reflects the increasing complexity of construction techniques in the early years of the Industrial Revolution and may reflect changing measurement needs for constructing newly introduced balloon frame buildings.</p> <p><a href="http://www.davistownmuseum.org/bioEagleSq.htm">http://www.davistownmuseum.org/bioEagleSq.htm</a></p>			
<b>TCQ3500</b>	<b>Framing square</b>	DTM	MH
<p>Cast steel, signed "H A WEST PATENTED WARRANTED ___?___ STEEL" AND "B HARMON".</p> <p>DATM (Nelson 1999) doesn't list any H. A. West as a maker of squares but it does list B. Harmon and Company as a square-maker in N. Bennington, Vt, c. 1850. Under the heading Harmon and Fay, DATM also notes that Bronson Harmon made squares in N. Bennington, Vt, c. 1848 (Nelson 1999, 134).</p>			
<b>090508T1</b>	<b>Framing square</b>	DTM	MH
<p>Steel, 24" x 16", signed "D. J. GEORGE" "WARRANTEED STEEL".</p> <p>Dennis J. George of Shaftsbury, Vermont worked from 1846 - 1859 and then merged into Eagle Square.</p> <p><a href="http://www.davistownmuseum.org/bioEagleSq.htm">http://www.davistownmuseum.org/bioEagleSq.htm</a></p>			
<b>090508T3</b>	<b>Framing square</b>	DTM	MH
<p>Metal, 4 12/16" x 3", signed "HOWELL TOOL CO." "ORANGE, MASS" and "U.S.A." with owner's mark "J.D." on the short end. This company made machinists' squares around 1900 and might be connected to F. L. Turner &amp; Co. of Ohio (Nelson 1999).</p>			
<b>102503T3</b>	<b>Line level</b>	LPC	MH
<p>Drop-forged steel, signed "H. B. BROWN".</p> <p>DATM (Nelson 1999, 119) lists H. B. Brown &amp; Co. of New Haven, CT, 1887, as making "other" tools, including bolt and pipe cutters. This tool came directly out of a c. 1850 tool chest in southern New Hampshire.</p>			
<b>TCQ1003</b>	<b>Plumb bob</b>	DTM	MH
<p>Cast iron, 3 5/8" long, 2 1/8" wide, unsigned.</p> <p>This is a generic mid-19th century plumb bob.</p>			
<b>TCP1003A</b>	<b>Plumb bob</b>	DTM	MH
<p>Cast iron, 3 3/4" long, 2 1/4" wide, unsigned.</p>			

## Davistown Museum Inventory of Tools - Maritime IV

Measuring Tools (Except Machinist Tools)

		Status	Location
121401T1	<b>Rule</b>	DTM	MH
<p>Drop-forged iron or steel, 24" long, 1 3/4" wide, signed "Revere", marked with hand stamped numerals, dated "11 17 1847".            DATM (Nelson 1999) lists only one tool, a caliper, "1780" as being marked Revere. Paul Revere died in 1818. Who is Revere and when did he work? Was this once a framing square that was cut down? The rule is exactly 24" long, the last measurement marking reads only 2.</p>			
041505T36	<b>Rule</b>	DTM	MH
<p>Tool steel, 6" long, signed "D. &amp; S." "BANGOR Me." "U. S. Stdn."            A famous Bangor, Maine, toolmaker, Darling &amp; Schwartz worked from 1854 - 1866.  <a href="http://www.davistownmuseum.org/pics/041505t36_p1.jpg">http://www.davistownmuseum.org/pics/041505t36_p1.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
052107T1	<b>Square</b>	DTM	MH
<p>German steel, signed "TURNER &amp; _____" and "GERMAN STEEL".            This square is probably made from reformed blister steel (shear steel also called sheaf steel) rather than decarburized cast iron (German steel). When written in English, the term "German steel" usually refers to shear (sheaf) steel, the manufacture of which was perfected by German steelmakers working at Shotley Bridge on the Derwent River sometime after 1686. Production of shear steel continued into the 19th century despite the widespread appearance of cast steel in the late 1760s. See the chapter on sheaf steel in "Steel- and Toolmaking Strategies and Techniques Before 1870" (Brack 2008). The maker may be English, there were many Turners in Sheffield, UK.  <a href="http://www.davistownmuseum.org/pics/052107t1_p4.jpg">http://www.davistownmuseum.org/pics/052107t1_p4.jpg</a>  <a href="http://www.davistownmuseum.org/pics/052107t1_p6.jpg">http://www.davistownmuseum.org/pics/052107t1_p6.jpg</a></p>			
22612T6	<b>Tenon gauge</b>	DTM	TT
<p>Cast brass, hardwood, 8" long, 5/8" square track, 2 3/8" by 1" block, signed "**WATTS Boston**".            Joseph Watts made marking gauges in Charleston, MA and marked them Boston from 1834 to 1849 (Nelson 1999, 833).  <a href="http://www.davistownmuseum.org/bioWatts.html">http://www.davistownmuseum.org/bioWatts.html</a></p>			
32708T43	<b>Traveler wheel</b>	DTM	MH
<p>Malleable iron, 11 7/8" long, 9 1/4" long handle, 7 3/4" diameter, unsigned.  <a href="http://www.davistownmuseum.org/pics/32708t43-2.jpg">http://www.davistownmuseum.org/pics/32708t43-2.jpg</a>  <a href="http://www.davistownmuseum.org/pics/32708t43-1.jpg">http://www.davistownmuseum.org/pics/32708t43-1.jpg</a></p>			
32708T44	<b>Traveler wheel</b>	DTM	MH
<p>Malleable iron, wood, 13" long, 7 7/8" diameter, 9 1/4" long handle, signed "WILEY &amp; RUSSELL MFG CO. GREENFIELD MASS." and on the back "THE GREEN RIVER TIRE WHEEL".            Wiley &amp; Russell's working dates are from 1872 - 1912. They used "Green River" and "Lightning" as brand names.  <a href="http://www.davistownmuseum.org/pics/32708t44-2.jpg">http://www.davistownmuseum.org/pics/32708t44-2.jpg</a>  <a href="http://www.davistownmuseum.org/pics/32708t44-3.jpg">http://www.davistownmuseum.org/pics/32708t44-3.jpg</a></p>			
71401T14	<b>Try square</b>	DTM	MH
<p>Malleable iron or steel, 7 1/4" long, unsigned.            The numeration on this tool appears hand stamped. This tool reflects the transition from blacksmith-made tools to the factory system.</p>			
81101T18	<b>Try square</b>	DTM	MH
<p>Tempered alloy steel, 2", signed "DISSTON" and "A. MORSE", probably the owner.            Henry Disston (1819 - 1878) was making saws in Philadelphia as early as 1840. See DATM (Nelson 1999, 227-9) for a complete listing of the Disston clan and their tool manufacturing operations.  <a href="http://www.davistownmuseum.org/bioDisston.htm">http://www.davistownmuseum.org/bioDisston.htm</a></p>			
51100T7	<b>Vernier calipers</b>	DTM	MH
<p>Tool steel, 9 1/4" long, 3 3/4" wide jaw, signed "E. F. Sibley", 1840 - 1860.            Was Sibley an owner-maker?  <a href="http://www.davistownmuseum.org/pics/51100t6.jpg">http://www.davistownmuseum.org/pics/51100t6.jpg</a></p>			
50402T7	<b>Wire gauge</b>	DTM	MH
<p>Tool steel, 3 1/4" diameter, signed "J. R. Brown &amp; Sharpe Providence R.I. standard wire gauge 0 - 30".            Joseph R. Brown and Lucian Sharpe worked together from 1853 to 1866, before the formation of Darling, Brown and Sharpe in 1866. This mark, however, was used after this date (Nelson 1999, 120).  <a href="http://www.davistownmuseum.org/bioBrownSharpe.htm">http://www.davistownmuseum.org/bioBrownSharpe.htm</a></p>			

## Davistown Museum Inventory of Tools - Maritime IV

Measuring Tools (Except Machinist Tools)

### 83102T4 Wire gauge

Status Location  
DTM MH

German (?) steel, signed "CARANTIE" and marked 1 to 60.

The size of the gauge index for 1 to 60 is less than the United States standard gauge and doesn't seem to match Stubs steel or iron wire gauges. Could this be a Roebling or a Washburn and Moen's gauge?

### 3405T2 Wire gauge

DTM MH

Tool steel, 3 3/4" long, signed "LACENE Mfg. Co Manchester NH" also numerated 2 -12.

It is hand stamped with numerals. Lacene is not listed in DATM (Nelson 1999).

### 3405T5 Wire gauge

DTM MH

Tool steel, 3" diameter, signed "C TOLLNER WARRENTED STEEL".

Charles Tollner is listed as a Bower, New York City planemaker and hardware dealer working from 1851 - 1861. He later became a partner of the famous Albert Hammacher, the New York City hardware dealer (1864 - 1884). Is this an example of either German or puddled steel?

## Miscellaneous Forged Hardware

### 22813T2 Clay spade

DA TT  
(Pub)

Forged steel, wood (hickory), cast iron, 51" long, 31 1/2" long handle, unsigned.

## Miscellaneous Items

### 4713T5 Chimney cap

DTM MH

Cast iron, 6 1/2" diameter, 1/2" thick, signed "9".

This chimney cap is from Ellis, South Carver, Massachusetts.

### TJR3501 Cupboard

DTM MH

Wood and glass, 12" long, 6" wide, unsigned.

### 31811T34 Eyelet

DTM TT

Forged malleable iron, 4 3/4" long, 1 7/8" diameter, signed "16" and "27".

It is tapered so it can be driven into wood.

### 71114T3 Hook

LPC MH

Wood (rosewood), steel, 7" long, 5" handle, unsigned.

This small bent hook has an eye screw in the butt for hanging and signs of fire damage to the handle. Perhaps it was used for lifting stove plates or something along those lines.

### 33002T7 Horseshoe

DTM MH

Forged iron, 4 1/2" long, 4 1/2" wide, unsigned.

This shoe was made by a farrier for a small horse or pony.

<http://www.davistownmuseum.org/pics/33002t7.jpg>

### 93011T2 Iron pyrite

DTM TT

Stone, 1 1/4" diameter, unsigned.

A note indicates this sample was gathered at Sutter Creek.

### 41203T14 Lightning rod

LPC MH

Bronze, the longest of the 5 points is 8 1/2", unsigned.

This is a typical example of one of the many forms of 19th century lightning rods; a true sculpture object.

<http://www.davistownmuseum.org/pics/41203t14.jpg>

### 102100T8 Nail set

DTM MH

Drop-forged steel, 3 5/8" long, signed "Tuck & Co".

Tuck manufactured bits, chisels, knives, and screwdrivers in Brockton, MA, 1852 - 1915. What relationship is Tuck & Co. to S. V. Tuck who manufactured edge tools in Bridgewater, MA, c. 1870?

### 111001T19 Oil can

DTM MH

Brass, copper, and tin solder, 12 3/4" high, unsigned, c. 1850.

This is an oil can from the early days of the Industrial Revolution. Are there any known examples of oilers in tool kits that predate the Industrial Revolution other than those in watchmakers' kits?

## Davistown Museum Inventory of Tools - Maritime IV

Miscellaneous Items

Status Location

### 10402T1 **Ships' clock**

LPC MH

Brass, steel, and silver, 7" diameter, signed "Seth Thomas".

This clock came from the Harvey Mills, a West Indies trader out of Thomaston, Maine. It is loaned to the Museum with Blunt's "The American Pilot," which is inscribed with the Captain's name: A. F. SPEAR Thomaston, Maine.

### 21805T24 **Tropical wood specimens (5)**

DTM HC

Lignum vitae (1), cocobolo (2), rosewood (3), mahogany (4), and ironwood (5), (1) 9 1/2" x 1 7/8" x 2 3/8", (2) 9 1/2" x 2 1/4" x 2", (3) 5 7/16" x 3 3/16" diameter, unsigned.

(4) 12 1/2" x 2 1/8" x 2 1/4", (5) 14 3/8" x 2 3/16" x 2 1/2". These specimens are from four plane bodies and one mallet head typical of tropical woods found on coasting traders headed for New England's boat shop plane construction early to mid-19th century.

## Miscellaneous Tools

### 21812LTC3 **Bench roller with clamp and crankshaft handle**

DA TT  
(Pub)

Drop-forged steel, 24" tall, 12" wide, 7" handle, 6" rolling surface, signed "PEXTO" (in a circle) "PECK STOW & WILCOX CO SOUTHWINGTON CONN." "945".

This is a tool commonly encountered in a sheet metal shop. The handle on the clamp is broken off. Courtesy of Liberty Tool Company.

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

### 112704T7 **Blocks (2)**

DTM MH

Wood, rope, and malleable cast iron, First 6 1/2" long, 5" wide; second 6" long, both 4 7/8" wide with 3 1/4" diameter shives, unsigned, c. 1840.

These blocks with their homemade rope bindings are typical of mid-19th century coasting vessels. Made in small shops or factories, the cast iron sheaves have now replaced the typical wood sheave of a slightly earlier period.

### TCG1001 **Blocks (matched pair)**

DTM MH

Wood (mahogany), forged iron, and malleable cast iron, 7 1/4" high, 2 3/4" wide, with 2 1/2" shives, unsigned.

These blocks are typical of tools that might have had their wooden components manufactured in coastal mill towns such as Liberty or Montville for use on coastal traders. The eyelets holding the blocks are distinctly hand-forged and the blocks themselves are distinctly handmade, but the shives appear to be factory cast.

<http://www.davistownmuseum.org/pics/tcg1001.jpg>

### 31501T3 **Box hook**

DTM MH

Cast steel and wood, 9" long, 5" wide handle, signed "S PURDY MAKER".

DATM (Nelson 1999) lists an S. Purdy as a maker of edge tools, Rome, NY, 1850. This tool is also called a Longshoremans' hook.

### 41203T2G **Brick chisel**

DTM MH

Forged steel, 6 7/8" long, 2 7/8" wide, signed "C. Drew & Co.".

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

### TCR1017 **C-clamp**

DTM MH

Cast iron, 6 3/4" long, 3 1/2" throat, signed with the mark "W's No 1".

This C clamp has a winged screw typical of an early 19th century tool and represents a transition between hand-forged blacksmith-made tools and the mass-produced drop-forged C clamps of the late 19th century. Is this cast iron or drop-forged iron?

### TCR1001 **C-clamp**

DTM MH

Forged iron, 2 1/4" wide throat, 3 1/2" deep, unsigned.

This tool has a beautiful forged ram's horn bolt. The threads look fairly modern. How early is this tool?

### TCR1012 **Clamp**

DTM MH

Cast or drop-forged iron, 5" long including the lever and thumbscrew with a 2" throat, signed "KNOTT BOSTON".

DATM (Nelson 1999, 457) lists a L. E. Knott Apparatus Company in Boston, MA that made school science lab items. What was the function of this strange clamp?

<http://www.davistownmuseum.org/pics/51100t6.jpg>

### TCR1021 **Gasket cutter**

DTM MH

Dropped forged iron and steel, 9 7/8" long and 5 7/8" wide, unsigned, c. 1850.

<http://www.davistownmuseum.org/pics/tcr1021.jpg>

## Davistown Museum Inventory of Tools - Maritime IV

Miscellaneous Tools

	Status	Location
<p><b>101400T3 Grave diggers' shovel</b></p> <p>Drop-forged iron and wood, 84 1/8" long with a 9 1/4" blade, unsigned.  <a href="http://www.davistownmuseum.org/pics/101400t3_p1.jpg">http://www.davistownmuseum.org/pics/101400t3_p1.jpg</a>  <a href="http://www.davistownmuseum.org/pics/101400t3_p2.jpg">http://www.davistownmuseum.org/pics/101400t3_p2.jpg</a></p>	DTM	MH
<p><b>41203T2A Pry bar</b></p> <p>Forged steel, 15 1/4" long, signed "C. Drew and Company".  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>	DTM	MH
<p><b>103104T2 Pry bar</b></p> <p>Drop-forged iron, 2' long, 2 1/4" wide, unsigned.            This tool is also called a wrecking iron.</p>	DTM	MH
<p><b>43006T8 Push screwdriver</b></p> <p>Brass and rosewood with a steel driver, 12 3/8" long including 3 3/8" wood handle and 2 11/16" bit with a capacity of 8 inserted bits, unsigned.            This is an example of an early factory-made push screwdriver, but who made this 1850 - 1875 tool?</p>	DTM	MH
<p><b>41203T20 Screwdriver</b></p> <p>Forged steel, 9" long, signed "C. Drew &amp; Co.". <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>	DTM	MH
<p><b>14302T20 Screwdriver</b></p> <p>Malleable steel, size unknown, unsigned.            This three pronged driver is nicely beveled.</p>	DTM	MH
<p><b>41203T7 Screwdriver</b></p> <p>Wrought and malleable iron, brass, and wood, 20 1/2" long with a 7 1/4" long handle and ferrule, unsigned.            This is an excellent example of a smith-made screwdriver. The long iron blade has several artful twists indicating it's made of wrought iron. It also has signs of hand filing and a nicely turned handle.  <a href="http://www.davistownmuseum.org/pics/41203t7_p1.jpg">http://www.davistownmuseum.org/pics/41203t7_p1.jpg</a>  <a href="http://www.davistownmuseum.org/pics/41203t7_p2.jpg">http://www.davistownmuseum.org/pics/41203t7_p2.jpg</a></p>	DTM	MH
<p><b>70215T2 Shotgun primer extractor pliers</b></p> <p>Steel, 6" long, 2 1/2" wide, 7/8" aperture, signed "BRIDGEPOR* GI CO 1182 10".            Bridgeport Gun Implement Company was located in Bridgeport, CT from 1874 to 1913 (DATM 1999).</p>	LPC	TT
<p><b>31501T7 Slaters' rip</b></p> <p>Malleable iron and steel, 31 1/4" long, signed with an obscured signature "____ JR. ____ VT".</p>	DTM	MH
<p><b>41203T2B Small wrecking bar</b></p> <p>Forged steel, 12" long, signed "Drew No. 12".  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>	DTM	MH
<p><b>103104T1 Soldering iron</b></p> <p>Wrought iron, brass, and copper, 16 1/4" long, unsigned.</p>	DTM	MH
<p><b>TEE5005 Unidentified tool</b></p> <p>Cast steel, brass, and wood, 8 1/2" long, unsigned, 19th century.  <a href="http://www.davistownmuseum.org/pics/tee5005.jpg">http://www.davistownmuseum.org/pics/tee5005.jpg</a></p>	DTM	MH-H
<p><b>12713T3 Wooden ringed maul</b></p> <p>Wood (oak, hickory), forged iron rings, 38" long, 12" long head, 7" diameter faces, unsigned.</p>	DTM	CT

## Patternmakers' Tools

The appearance of patternmakers' tools coincides with the profusion of foundries during the early years of the Industrial Revolution. The first patternmaker's tool kits began replacing cooper's tool kits as our mercantile society moved from workshop (farm and small cooperage) production of wooden containers -- kegs, casks, boxes, etc. -- to mass production of machine made metal parts and containers. Patternmaker's tools were essential in the design and construction of the machinery used in the factories that arose during the Industrial Revolution.

## Davistown Museum Inventory of Tools - Maritime IV

Patternmakers' Tools

Status Location

### TCT1005 **Bodkin**

DTM MH

Bronze handle and forged iron point, 5 3/8" long, unsigned.  
This tool came in a patternmakers' tool chest.

### TCT1002 **Gouge**

DTM MH

Cast steel, 8" long, 1" wide, signed "S.J. ADDIS CAST STEEL" on the blade back with an unusual touchmark; "ENGLAND" on the blade front.  
Importing of high quality Sheffield steel tools continued well into the 20th century.

### TCT1007 **Lifter**

DTM MH

Drop-forged iron, 9 1/4" long, unsigned.  
Lifters are used for shaping the interiors and bottom of molds for casting.

### 102112T3 **Molders' hand tool**

DTM MH

Cast brass, 9" long, 1 1/2" ends, 5/8" wide, unsigned.

### TCT1301 **Molders' slick and oval spoon**

DTM MH

Cast steel, 7 3/4" long, signed with an obscured touchmark.

### TCT1008 **Molding tool**

DTM MH

Drop-forged steel, unsigned.  
It is used for smoothing the sand cast prior to pouring the molten metal into the cast.

### 31212T14 **Patternmakers' float**

DTM TT

Cast steel, wood, 18" long, 1 1/2" wide, unsigned.  
Courtesy of Liberty Tool Co.

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

### TCT1003 **Patternmakers' slick**

DTM MH

Bronze, 7" long, unsigned.  
A slick is used for shaping and smoothing sand casts. Patternmakers' slicks should not be confused with the large slicks used by shipwrights (an edge tool).

<http://www.davistownmuseum.org/pics/tct1003.jpg>

### TCT1004 **Patternmakers' slick**

DTM MH

Drop-forged iron, 5" long, signed with an obscured signature.

### TCT1006 **Patternmakers' slick**

DTM MH

Bronze, 4 1/2" long, signed "C.H.P." (probably the manufacturer's sign), also has other letters and touchmarks.

### 62202T9 **Patternmakers' slicks (2)**

DTM MH

Cast bronze, one 5 1/2" long and the other 4 3/4" long with 2 round smoothing globes at each end, unsigned.  
These are typical slicks found in a patternmakers' tool kit.

<http://www.davistownmuseum.org/pics/62202t6.jpg>

### TCT1001 **Spokeshave**

DTM MH

Bronze, 7 1/2" long, 1 3/16" blade, unsigned.

## Patternmakers' Tools - H A Cobbett Group

### 42801T5 **Rule**

BDTM MH

Tool steel, signed "D & S Bangor Me. U.S. Stnd" with owner signatures "Chris K. Farmer" in script and "H A Cobbett".  
The Farmer signature probably predates Cobbett as the Darling & Schwartz working dates in DATM (Nelson 1999, 210) are 1854 - 1866, and Cobbett as a patternmaker appears to have worked later in the 19th century. DATM has this to say about D & S:  
"Samuel Darling and Michael Schwartz (who succeeded Darling & Bailey) made squares with 1852 (possibly Nathan Ames' 6 July 1852) and 6 Oct. 1857 (Darling) patents and circular iron planes patented by George F. Evans in 1862 and 1864. The 1857 patent square was later made by Darling, Brown & Sharpe after Darling joined J. R. Brown & Sharpe in 1866. Schwartz worked otherwise as a Bangor saw maker and hardware dealer and did not join the new company." The rest of the Cobbett group are in the Industrial Revolution section.

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

## Quarrying Tools

## Davistown Museum Inventory of Tools - Maritime IV

Quarrying Tools

Status Location

### TCU1002 **Brick chisel**

DTM MH

Forged iron, 7 1/4" long, 3/16" wide, signed "SHEARER" in two different places, also marked "SCF".

This chisel is characterized by 8 beveled surfaces. The quarrying tools in this display are difficult to date but range from 1820 to 1880.

### 81200T11 **Cold chisel**

DTM MHC

Forged iron, 5" long, 1 1/4" wide peen, signed "M Fognaty".

This maker is not listed in DATM (Nelson 1999). This is a typical small quarry chisel.

### 914108T12 **Cold chisel**

DTM MH

Hand-forged malleable iron and steel, 8 1/4" long, signed "E. MILLER MS" and on the other side "S.W.T".

This chisel was probably used by stone workers.

### 81602T10 **Feathers (2) and wedge**

DTM MH

Forged malleable iron, 11 1/2" long, 1 5/16" wide wedge; 12" long, 1 1/4" wide feathers, unsigned.

These are the largest set of feathers and wedge ever noted by the curator. These are used for really heavy cutting and splitting, probably in the coastal granite quarries.

### 41302T8 **Feathers and wedges (lot of 12)**

DTM MH

Iron, 9 feathers that are 3 3/4" long, 3 wedges that are 3 5/8" long, unsigned.

These are the traditional tools used by Maine quarrymen for splitting granite.

### 1302T2 **Quarry grapple**

DTM MH

Forged iron, 10" long, 2 1/2" x 1 1/8" wide jaws, signed "B".

This unusual tool is shaped like a very chunky pair of pliers. It comes with a shackle for lifting.

## Shipwrights', Sailmakers', and Mariners' Tools

### 51100T6 **Adjustable calipers**

DTM MH

Puddled steel, 9 1/4" long, signed "E. F. Sibley", 1840 - 1860.

No E. F. Sibley is listed in DATM (Nelson 1999), however the Sibley Scythe Co. was a partnership of Ezra Taft Sibley and his son Frank Arthur Sibley of Northville, NH. Ezra was known to also work on his own. This tool probably predates the mass production of machinist measuring tools that became widespread after the Civil War. This is an outside caliper, used to measure the outside diameter of a round or cylindrical object. It has curved legs with rounded tips that come together at the center.

<http://www.davistownmuseum.org/pics/51100t6.jpg>

### TCV1007 **Awl**

DTM MH

Steel (?), 5 3/4" long, signed "GEO. LAUTE BOSTON.".

This maker is not listed in DATM (Nelson 1999). What would this awl be used for?

### TKD1301 **Blubber cutter (?)**

DTM UNK

Forged iron or steel, 18" long with an 8" diameter cutter, signed "VAUGHAN" and "PARDOE & Co UNION WARRANTED".

Working dates for this company are 1844-1868. This tool was available for hands on perusal at the workbench in the main hall and is now missing.

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

### 120907T6 **Caulk remover**

DTM TT

Forged steel, 13" long, 2" wide, unsigned.

This is a heavy hooked implement for removing caulk from ships.

### 041505T2 **Caulking iron**

DTM MH

Steel, 8" long, 2" wide blade, signed "J.STOR".

Stor is not listed in DATM (Nelson 1999). A not uncommon mark on caulking irons, this is a German import made of German steel.

[http://www.davistownmuseum.org/pics/041505t2\\_p1.jpg](http://www.davistownmuseum.org/pics/041505t2_p1.jpg)

### 41302T10 **Caulking iron**

DTM MH

Malleable iron and steel, 6 1/4" long, 2 1/4" wide, signed "H Reed".

H. Reed is listed in DATM (Nelson 1999) with no location or date. The following information is from Andrew Pollock: "See page 6 of the C. DREW reprint catalogue No. 34, for a listing of H. REED caulking irons. These were actually made by C. DREW & CO. for clients who wanted to pay less than what C. DREW irons would cost, and who were willing to accept somewhat lower quality."

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

		Status	Location
3405T3	<b>Caulking iron</b>	DTM	MH
<p>Malleable iron and steel, 5" long, 1 3/4" wide, signed "H. Reed".                      The Kingston, Massachusetts: Tool Encyclopedia states: "H. REED was a mark used by C. DREW &amp; Co. on some of the tools they manufactured. 'H. REED' tools were less expensive than those marked 'C. DREW' and by inference were probably somewhat lower in quality."  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>			
5315T3	<b>Caulking iron</b>	LPC	TT
<p>Reforged file/rasp, 10" long, 1" wide, 3/8" thick, unsigned.</p>			
TCX1002	<b>Caulking iron</b>	DTM	MH
<p>Cast steel, 6" long, 2 1/2" wide, signed "C. DREW &amp; CO. CAST STEEL".  <a href="http://www.davistownmuseum.org/pics/TCX1002_small.jpg">http://www.davistownmuseum.org/pics/TCX1002_small.jpg</a>  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>			
120907T8	<b>Caulking iron (2)</b>	DTM	TT
<p>Cast steel, 7" long, 2" wide and 6" long, 1" wide, signed "C. DREW &amp; CO" and "CAST STEEL".  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>			
120907T10	<b>Caulking iron (3)</b>	DTM	TT
<p>Steel, 5 1/2" long, 1 1/2" wide; 7" long, 2 1/4" wide; and 5 5/8" long, 1 1/2" wide, signed "J.STORTZ".                      This is a set of three fairly standard steel caulking irons. The medium-sized one shows significant evidence of heat treating. John Stortz worked in Philadelphia, PA starting in 1853 and later added "&amp; Son" to the company name (Nelson 1999, 762).</p>			
120907T5	<b>Caulking mallet</b>	DTM	TT
<p>Wood with iron bands, 13" long, 11 1/4" wide, unsigned.                      This is a typical shipbuilders' caulking mallet.</p>			
120907T7	<b>Caulking wheel</b>	DTM	TT
<p>Drop-forged steel, 8" long, 2 1/4" wide, unsigned.                      This tool is used to finish caulking work on a ship.</p>			
102911T3	<b>Chisel</b>	DTM	TT
<p>Cast steel, signed "HOMER" "CAST STEEL", 1850.                      The term cast steel only describes the forge-welded "steeled cutting" edge, which is clearly visible. Also visible is the forged weld socket. It is made by Benjamin H. Homer &amp; David C. Homer, Bucksport, Maine, 1850.</p>			
121311T5	<b>Deck chisel</b>	DTM	TT-D17
<p>German steel, malleable iron, and wood, 11" long, 1" wide, 4 3/4" long handle, signed "HIGGINS &amp; LIBBY" "Portland".                      This is also known as a ships' carpenters' chisel. Higgins &amp; Libby were Portland, ME, toolmakers in 1856. It is hand-forged, and while not signed cast steel, is likely to be locally forged German steel. There is no evidence of laminated steel construction. It appears to be all steel extending up to a malleable iron socket.  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
TCX1001	<b>Early ships' caulking tools (set)</b>	BDTM	MHC-K
<p>Puddled or German steel and wood, signed "E. A. DEXTER".                      The set includes 13 caulking irons, a caulking mallet inventoried separately (second mallet has been stolen,) a carrying case and folding stool. It was last used to repair the U.S.S. Constitution. The maker is not listed in DATM (Nelson 1999). The demise of the cod fishery due to the withdrawal of government subsidies, the spread of railroads after the Civil War, and the depletion of forest resources all played a role in the decline of shipbuilding in the ports south and east of Liberty and Montville (Thomaston, Warren, Boothbay, Waldoboro, and Wiscasset.) In the boomtown years of Liberty and Montville, a number of ships' caulkers lived in this area and would have used tools similar to these as itinerant caulkers visiting area shipyards as needed.  <a href="http://www.davistownmuseum.org/pics/tcx1001_p3.jpg">http://www.davistownmuseum.org/pics/tcx1001_p3.jpg</a>  <a href="http://www.davistownmuseum.org/pics/tcx1001combo.jpg">http://www.davistownmuseum.org/pics/tcx1001combo.jpg</a></p>			
12900T4	<b>Fid</b>	DTM	MH
<p>Wood, 15 1/2" long, 2 5/8" maximum diameter, unsigned.                      A fid is used to loosen the strands of rope when splicing two pieces of rope together.  <a href="http://www.davistownmuseum.org/pics/12900t4.jpg">http://www.davistownmuseum.org/pics/12900t4.jpg</a></p>			

## Davistown Museum Inventory of Tools - Maritime IV

Shipwrights', Sailmakers', and Mariners' Tools

	Status	Location
81212LTC5 <b>Fid</b>	DA	TT (Pub)
Hardwood (beech), 11" long, 3/4" diameter, unsigned. Courtesy of Liberty Tool Company.		
81212T1 <b>Fid</b>	DTM	TT
Cast steel, brass ferrule, hardwood handle (ebony?), ivory butt, 13 1/2" long, 8" long spike, signed "R.D. Wiley Boston. 1858."		
81212LTC3 <b>Fid</b>	NOM	TT (Pub)
Hardwood (apple?), 10 1/4" long, 1" diameter, unsigned. Courtesy of Liberty Tool Company.		
61204T12 <b>Fid</b>	DTM	MH
Wood, 18 1/4" long, 2 1/4" diameter, unsigned. This is a classic example of a hand fid used by a sailor for splicing rope on a ships' rigging. <a href="http://www.davistownmuseum.org/pics/61204T12.jpg">http://www.davistownmuseum.org/pics/61204T12.jpg</a>		
81212LTC4 <b>Fid</b>	DA	TT (Pub)
Cast steel, brass ferrule, wood handle (mahogany), ivory inset, 6 1/8" long, 2" blade, unsigned. Courtesy of Liberty Tool Company.		
040610T1 <b>Harpoon point</b>	DTM	MH
Forge-welded malleable iron and steel, 29 1/4" long, 6" long cutting edge on the spear point, unsigned. This harpoon point was found in a Camden, Maine area antique shop in 1962. The maritime curator at the New Bedford Whaling Museum said, "The one thing outstanding thing about that harpoon is the workmanship. It is quite good workmanship. The steel, however, is completely wrong for an actual whaling harpoon which was made entirely of malleable iron. Shanks were long and (more or less) thin and made to bend, even twist if necessary. Harpoons were made to be used once. If a harpoon was slightly damaged at its first use, it could be employed as a 'second iron,' that is, a backup harpoon in case the first 'live iron' pulled loose. It is an interesting piece of metal work but it is not an actual whaling harpoon." It is very similar to the earliest harpoon on display at the Mystic Seaport Museum. Additional comments are solicited. <a href="http://www.davistownmuseum.org/pics/040610t1web1.jpg">http://www.davistownmuseum.org/pics/040610t1web1.jpg</a> <a href="http://www.davistownmuseum.org/pics/040610t1web3.jpg">http://www.davistownmuseum.org/pics/040610t1web3.jpg</a>		
012705T1 <b>Hawsing iron</b>	DTM	MH-O
Forged iron and weld steel, 25 1/4" long handle, 7 5/8" long and 3 1/8" wide blade, unsigned.		
012705T3 <b>Hawsing iron</b>	DTM	MH-O
Forged iron and weld steel, 24" long handle, 5 5/8" long and 3 1/2" wide blade, unsigned.		
TCX1004 <b>Lipped peen adz</b>	DTM	MH
Cast steel, 11 3/8" long, 4 1/4" wide blade, signed "Albertson & Co., Po'kpsy, NY". Albertson & Co. is listed in DATM (Nelson 1999, 17) as a Poughkeepsie, New York, edge toolmaker, working dates 1867-1871. This type of adz is among the most essential tools in a New England shipyard.		
81212LTC7 <b>Marlin spike</b>	DA	TT (Pub)
Forged steel, 13 1/2" long, 1 3/8" diameter at widest, signed "B.D. WILEY". Courtesy of Liberty Tool Company.		
913108T56 <b>Marlin spike</b>	DTM	MH
Steel, 17 3/4" long, signed "C. DREW & CO." and "MADE IN U.S.A.". The Stoney Brook Ironworks was on the same Kingston, MA, site as this company. They made edge tools and some ship-related tools. <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>		
12613T3 <b>Mast rings</b>	DTM	MAG-8
Forged steel and iron, 11 3/4" diameter, 1" thick, unsigned.		
TCX1006 <b>Mast shave</b>	DTM	MH
Malleable iron, cast steel, and wood, 18" wide with 8" blade, signed with an obscure mark similar to White, NY, c. 1840 - 1860. <a href="http://www.davistownmuseum.org/pics/TCX1006_p1.jpg">http://www.davistownmuseum.org/pics/TCX1006_p1.jpg</a>		

## Davistown Museum Inventory of Tools - Maritime IV

Shipwrights', Sailmakers', and Mariners' Tools

		Status	Location
62715T1	<b>Mast shave</b>	LPC	DA
Steel, wood, 20 1/4" long, 12 5/8" edge, 4" handles, signed "G.B. RICKER CHERRYFIELD".			
120907T4	<b>Mast shave</b>	DTM	TT
Malleable iron, forged steel, and wood, 25" long, 2" wide blade, 5 1/2" handles, signed "L & T WHITE" "18*7" "BUFFALO N.Y." and "6" on the other side. This mast shave shows a very obvious weld line running parallel to the blade on its back side.			
032203T14	<b>Mast shave</b>	DTM	MH
Forged iron and steel, 20" wide, 10" blade, signed "L. & I.J WHITE BUFFALO" "10". White made coopers' tools and drawknives in Buffalo, NY, from 1837 to 1928. This large shave could have been used by a cooper or as a spar or mast shave. It is another of the high quality American-made tools signaling the florescence of the domestic tool manufacturing industry in the late 19th century. <a href="http://www.davistownmuseum.org/pics/032203t14_p2.jpg">http://www.davistownmuseum.org/pics/032203t14_p2.jpg</a>			
72801T1	<b>Mast shave</b>	BDTM	MH
Cast steel, wood, and brass, 22 1/2" long, 15 3/4" blade, signed "MALLET CAST STEEL" "WARRANTED WARREN ME". The uniformity of grain structure combined with the appearance and mark (cast steel) suggests a one piece construction from domestic-made cast steel. Most American-made cast steel was made in Pittsburg after 1865 and transported east by train and coasting vessels. The sharp edges of the nearly square shave extensions suggests the possibility of drop-forging using machinery now becoming readily available to most toolmakers at this time. DATM (Nelson 1999) lists James Mallet as working in Warren from 1856 - 1871. For more information see the Registry of Maine Toolmakers (2008). <a href="http://www.davistownmuseum.org/pics/72801t1_p3.jpg">http://www.davistownmuseum.org/pics/72801t1_p3.jpg</a> <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a>			
51100T2	<b>Mast shave</b>	DTM	MHC-F
Malleable iron, forged steel and wood, 24" long, 14" blade, 4 1/2" handles, signed "L & I J WHITE" "BUFFALO, NY" "1837" inside an oval and also stamped "14". White made adzes, chisels, and drawknives, 1837f.; a most prolific maker of coopers' jiggers, drawknives, and other edge tools (Nelson 1999). Many an L. White tool has been recycled to Maine woodworkers in the last 30 years by the Liberty Tool Co. <a href="http://www.davistownmuseum.org/pics/51100t2.jpg">http://www.davistownmuseum.org/pics/51100t2.jpg</a> <a href="http://www.davistownmuseum.org/pics/51100t2_p1.jpg">http://www.davistownmuseum.org/pics/51100t2_p1.jpg</a>			
070705T3	<b>Mast shave (?)</b>	DTM	TB
Forged iron and steel with wooden handles, 19" long with a 12 3/8" long and 2" wide cutting blade, 5 1/4" handles, signed "M.BABCOCK". This drawshave was found in a coastal Maine workshop and the maker is not listed in DATM (Nelson 1999). It is characterized by a heavy cutting blade, welded steel construction with evidence of heavy filing, and appears to be from 1840 - 1860. It is uncertain if this is a heavy duty coopers' shave, or as is more likely, a mast shave. If not of Maine origin, it is most certainly a New England-made edge tool.			
913108T1	<b>Mending needle</b>	DTM	MH
Wood, 9" long, unsigned. This needle is used by fishermen for mending nets.			
111900TX2	<b>Outside calipers</b>	DTM	MH
Forged malleable iron, unsigned. These large calipers have the provenance of being used on the keels and ribbing in a Maine shipyard (Lubec).			
31112T3	<b>Sail-makers' bodkin</b>	DTM	TT-D27
Rosewood, cast steel, brass ferrule, 7 1/2" long, 1 1/2" wide, unsigned. Courtesy of Liberty Tool Co.			
42012T6	<b>Sailmakers' kit</b>	DTM	TT
Cast steel, wood, leather, paper, cotton twine, signed "Patent" "FORGED" "Cast Steel" "SAIL NEEDLES No 14" and an image of an anchor. The kit contains: 3 paper packs of needles tied together with twine, 38 loose needles, 2 sailmakers (thimble) palms, and 1 wooden needle case with miscellaneous needles and thread inside. Courtesy of Liberty Tool Co.			
62914T2	<b>Ship block and rope</b>	LPC	MH
Wood (lignum vitae), rope, 14 1/2" long rope, 4 1/4" x 2 1/2" block, unsigned.			

**TCX1001A Ship caulkers' mallet**

BDTM MHC-K

Malleable iron and wood, unsigned.

This caulking mallet is part of the ships' caulkers tool set in case K; last used to repair the U.S.S. Constitution.

[http://www.davistownmuseum.org/pics/tcx1001\\_p4.jpg](http://www.davistownmuseum.org/pics/tcx1001_p4.jpg)

<http://www.davistownmuseum.org/pics/tcx1001combo.jpg>

**52403T1 Shipbuilders' adz**

LPC MH

Tool steel, wood handle, 10" long, 5" wide cutting edge, 2 3/4" peen, 31" long handle, signed "T C Jackson Stinson Bath".

T. C. Jackson is believed to be a Bath, Maine, maker of edge tools, c. 1869. He is also listed as a Maine ax-maker, 1832 - 64 by Yeaton (2000). Also see The Registry of Maine Toolmakers (Brack 2008).

[http://www.davistownmuseum.org/pics/52403t1\\_p1.jpg](http://www.davistownmuseum.org/pics/52403t1_p1.jpg)

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

**TCX1003 Ships' caulking iron**

DTM MH

Malleable iron and steel, 5 3/4" long, 2" wide, signed "C.B. Timpson & Tucker".

There is no listing for Timpson & Tucker in DATM (Nelson 1999), but there is a listing for C. B. Timpson with no location or date.

This is an unrecorded 19th century seacoast New England ships' caulking tool manufacturing company. This and the other caulking tools in the Davistown Museum collection are typical of the caulking tools so essential in the shipbuilding trades of coastal Maine and New England in the early to mid-19th century. Some of these ships caulkers resided in Liberty and Montville.

**81713T8 Shipwrights' bench clamp**

DTM TT

Forged steel, 11 3/4" tall, 4 3/4" wide, 3/4" thick, signed "R.F.AD".

**102012T2 Shipwrights' maul**

DA TT  
(Pub)

Forged malleable iron, wood (ash, hickory), 34" long, 10" long head, 5" diameter face, unsigned.

**20712T1 Slick**

DTM TT

Forged steel, 14" long, 2" wide cutting edge, 5/8" bevel, signed "E. BROAD BANGOR" "N.J. MARDEN".

This ship carpenters' edge tool has a forge weld clearly visible at the edge. N. J. Marden may possibly be an owners mark. Elisha Broad of Bangor is listed in the 1855 Maine Business Directory as an edge toolmaker (Brack 2008, "Registry of Maine Toolmakers").

**Unidentified Tools**

**91303T19 Unidentified tool**

DTM MH

Forged steel, 5 1/2" long, 1 3/8" wide at the top, 5/8" wide curved burnishing surface at the top, unsigned.

The bottom of this tool is shaped into a slitting cutter; the top a curved burnisher. Was this a leather working tool?

**42602T7 Unidentified tool**

DTM MH

Cast steel and baleen, 6 3/4" long, two 15/16" disks for trimming or cutting, 3 3/4" long baleen handle, signed "Rodgers Cutlers to his Majesty" with 2 cartouches and on reverse side "England".

Was this used for sharpening knives? It is a great whatisit. Rodgers Cutlers to His Majesty was located at No 6 Norfolk Street, Sheffield, England and made knives.

**81801T16 Unidentified tool**

DTM MH

Drop-forged steel, 7 1/4" long, signed "PATENT PENDING".

This spring controlled tool combines characteristics of pliers, chain cutters, and tubing benders. What is its use?

**Watchmakers, Jewelers, and Silversmiths' Tools**

**32502T11 Awl**

BDTM T

Steel, wood, and brass, 3 1/2" long, unsigned.

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

**32502T15 Burins (3)**

BDTM T

Cast steel, wood handles, unsigned.

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

**32502T37 Dividers**

BDTM T

Forged steel, 3 3/8" long, signed with an obscure mark.

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

## Davistown Museum Inventory of Tools - Maritime IV

Watchmakers, Jewelers, and Silversmiths' Tools

TCY1003 **Hammer** DTM MH

Drop-forged steel, 9 3/4" long, 2 1/2" round head, unsigned.  
Is this for metalworking? Its use is unknown.

TCY1004 **Jewelers' hammer** DTM MH

Forged or cast steel, 2 1/4" long, 3/8" square face, signed with an obscured mark.

32502T13 **Jewelers' hammer** BDTM T

Cast steel, 1" long handle, 3 1/2" wide with 1/2" square chamfered face, unsigned.

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

102100T9 **Pin vise** DTM MH

Cast steel, 4 5/16" long, 3/8" wide jaw, signed "C HAMACHER".

No C. Hamacher is listed in DATM, but several other Hamachers were making tools in New York city in the mid- to late 19th century (1864f.)

32502T5 **Punch** BDTM T

Cast steel, 4 1/4" long, signed "C. HARLTON CAST STEEL" and "6".

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

TCY1001 **Tongs (3)** DTM MH

Forged iron, 6 1/2", 6 1/2", 8 3/4" long, unsigned.

These three tools were found together; what was their use? They are unusual in their diminutive size.

32502T17 **Tweezer - clamp** BDTM T

Steel with whale bone handle, 4 5/8" long including the 2 5/8" long handle, unsigned.

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

## Woodworking: Axes and Hatchets

914108T10 **Ax** DTM MH

Cast steel and a broken wooden handle, 4 1/2" long, 2 3/8" wide, signed "C. MAMM" "PHILAD" and "CAST STEEL".  
More information is sought on this obscure maker.

9514T6 **Bearded ax** LPC MH

Forged steel, wood, 13" cutting edge, 9" wide, 1 1/4" thick, signed with an indecipherable signature.

This European bearded ax has a maker's mark that has been worn away to an unreadable state.

22411T7 **Box hatchet** DTM TT

Hand-forged iron and steel, 14" long, 5" x 1" head, unsigned.

It is also known as a barrel hatchet.

062603T1 **Broad ax** DTM MH

Forged iron and natural (?) steel with wooden handle, 9" long, 7 1/2" wide head, 21" long handle, signed "H.BRAGG CORNVILLE".

[http://www.davistownmuseum.org/pics/062603t1\\_p1.jpg](http://www.davistownmuseum.org/pics/062603t1_p1.jpg)

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

41203T13 **Broad ax** DTM MH

Forged iron and steel, 9" wide blade, signed with the distinctive touchmark of J Fowler of St. Johns, New Brunswick.

This is an excellent example of a forged ax with a weld steel cutting edge. Did Fowler use cast steel as his weld steel? Probably, yes.

[http://www.davistownmuseum.org/pics/41203t13\\_p6.jpg](http://www.davistownmuseum.org/pics/41203t13_p6.jpg)

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

42710T1 **Broad ax** DTM MH

Forged iron and steel, 30 1/2" long, 10 1/4" wide head, 6 3/4" cutting edge, signed "JOSIAH FOWLER CO. LTD" with an F in a triangle.

<http://www.davistownmuseum.org/pics/072410t1web4.jpg>

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

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Axes and Hatchets

	Status	Location
101715LTC1 <b>Broad ax</b>	DA	TT (Pub)
Forged steel, wood (hickory), 30 1/2" long, 6 1/2" edge, 9 3/4" wide head, signed J.R. DEERING. J.R. Deering worked in Saco, Maine circa 1849.		
6317LTC1 <b>Broad ax</b>	DA	TT (Pub)
Cast steel, wood (hickory), 27 3/8" long, 5 3/4" edge, 10 1/2" head, signed "HIGGINS & LI--- PORTLAND". Higging and Libby worked in Portland, ME, in 1856.		
41907T3 <b>Broad ax</b>	DTM	MH
Blister steel (?), 10" long, 6 7/8" wide blade, 3 1/4" long poll, signed "S. AVERY" and "WHORF CAST". S. Avery is a Wallingford, CT, edge toolmaker working circa 1849. The interesting second mark opposite S. Avery of WHORF CAST has no hint of or room for "steel" after cast. This tool appears to be a one piece blister or German steel ax due to its many imperfections. The cutting edge appears to have been subject to additional forging, but no obvious welded steel bit is evident. Numerous hammer marks can still be seen on this ax, which has the usual evidence of the folding and welding at the eye (haft hole) cheek (body) interface. <a href="http://www.davistownmuseum.org/pics/41907t3.jpg">http://www.davistownmuseum.org/pics/41907t3.jpg</a>		
31811T13 <b>Broad ax head</b>	DTM	TT
Forged iron and cast steel, 10 1/4" long, 7 1/4" wide, signed "J EMERY" and "C STEEL". An H. Emery is listed as an edge toolmaker in Buxton, ME, 1849 (Nelson 1999, 260).		
51615T1 <b>Double bit ax</b>	DTM	TT
Iron, steel, 8 3/4" long, 1" thick, 4 1/4" edges, unsigned. This ax was forged from two different metals with the harder steel being used for the bits. Wear over time has caused the softer metal to pit considerably while the outer edges are still relatively smooth.		
72801T3 <b>Double bitted ax</b>	DTM	MH
Forged iron, steel, and wood, 8 3/4" long blade, 3 3/4" wide, 31 1/2" handle, signed with an obscure signature, only "Oakland" is visible along with "S.S." who might be the owner. This is a classic example of a Maine-made double bitted ax, which appears to not have been made before 1820. Unless clearly marked, many axes from this era are difficult to identify and date.		
040103T3 <b>Felling ax</b>	DTM	MH
Forged iron and steel, 6 7/8" long, 5 1/8" wide cutting blade, unsigned. This felling ax is typical of the American style felling axes produced after 1750 and would characterize the tool kit of a woodworker or shipbuilder anytime during the 19th century. The heavy poll makes this ax much more efficient than earlier English trade axes. The obvious weld steel cutting edge means that this ax predates the ubiquitous all cast steel or drop-forged steel axes of the late 19th and 20th centuries. <a href="http://www.davistownmuseum.org/pics/040103t3_p1.jpg">http://www.davistownmuseum.org/pics/040103t3_p1.jpg</a> <a href="http://www.davistownmuseum.org/pics/040103t3_p2.jpg">http://www.davistownmuseum.org/pics/040103t3_p2.jpg</a>		
81812T1 <b>Felling ax</b>	DTM	MH
Forged steel, wood (hickory), 35" long, 6 1/2" wide cutting edge, 11" long head, signed "ELWELL FORGE WEDNESBURY SOLID CAST STEEL WARRANTED 376369". Elwell Forge operated in Wednesbury, England, from 1817 until the 1970s. This area has been a hot-spot of the iron industry from at least the 1500s ( <a href="http://www.scribd.com/doc/55843847/Wednesbury-Forge-Excavations">http://www.scribd.com/doc/55843847/Wednesbury-Forge-Excavations</a> ).		
091114T1 <b>Felling ax head</b>	DTM	MH
Steel, 9 1/2" long, 6 1/2" cutting edge, signed "HORST & BROTHER" "WARRANTED" "N. DIXMONT". This is a heavy duty woodsmans' felling ax with a welded on steel cutting edge.		
42604T4 <b>Hatchet</b>	DTM	MH
Forged iron and steel, 6 3/8" long, 3 5/8" wide, 1 1/4" diameter poll, unsigned. The lower side of the hatchet has a notch and the poll end is beveled.		
51100T11 <b>Hatchet</b>	DTM	MH
Cast steel and wood, 6" long, 3 3/4" blade, signed "BLODGETT EDGE TOOL MFG." and with "2". DATM (Nelson 1999) states that the Blodgett Edge Tool Mfg. Co. was in Manchester, NH, from 1853 - 1862. It became the Amoskeag Ax Co. in 1862. They made adzes, axes, edge tools, hatchets, and shaves.		

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Axes and Hatchets

	Status	Location
<b>TCC3003 Hatchet</b>	DTM	MH
Forged iron and steel with wood handle, 5 3/4" long, 3/4" blade, 1" six sided peen, signed "1 UNDERHILL EDGE Tool Co.", probably dates 1850 to 1860. DATM (Nelson 1999) lists the Underhill Edge Tool Co. as Boston c. 1870-1871, however, the Underhill clan of edge toolmakers began production by 1813 or earlier (DATM lists 24 separate Underhill names 1813-1890), with tool production beginning in Boston c. 1825. Much of the Underhill activity was centered around Nashua, NH.		
<b>914108T15 Hatchet</b>	DTM	MH
Cast steel and wooden handle, 12 3/4" long, 3" long blade, signed "AMOSKEAG AX" "CAST-STEEL" and "REYNOLDS. AG". The Amoskeag Mfg. Co. was located in Manchester, NH, from the 1830s to the 1930s and made textiles and heavy machinery. They are listed as making tools only from 1849 - 56. Henry C. Reynolds of Manchester, NH, worked for Amoskeag from 1855 - 1877. He may have been the inventor of a combination hatchet they sold.		
<b>111900T2 Hatchet</b>	DTM	MH
Steel and wood, 9 1/2" long, 1 1/4" wide blade, unsigned. This is a miniature hatchet of unknown use; one of two in the Museum exhibits.		
<b>22411T27 Hatchet head</b>	DTM	TT
Cast steel, 5" long, 3" wide, signed " __NDLEY MORSE" "WARRANTED" "CAST STEEL". This hatchet has a claw design. DATM (Nelson 1999, 484) lists Lindley & Morse making adzes, axes, and hatches in Douglas, MA in 1855.		
<b>100208T2 Hewing ax</b>	DTM	MH
Forged iron and steel, 7 5/8" long, 5" blade, unsigned. This hand-forged ax is unique in its distinctive welded steel bit, exactly and uniformly 2 5/8" wide on both sides of the blade. <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a>		
<b>42604T5 Hewing ax</b>	DTM	MH
Forged iron and steel, wood handle, wood and leather blade cover, 4 1/8" long, 6" wide blade, 2 3/4" pole, signed "JP.BILLINGS" "CLINTON" "MAINE" "556". <a href="http://www.davistownmuseum.org/pics/42604t5_p3.jpg">http://www.davistownmuseum.org/pics/42604t5_p3.jpg</a> <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a>		
<b>91303T20 Hewing ax</b>	DTM	MH
Cast steel, 11 3/4" long and 7" wide blade, 3" long and 1 3/8" wide rectangular poll, 34" long new handle, signed "THAXTER PORTLAND CAST STEEL WARRENTED". This is a previously seen but unnoted Portland ax-maker, not listed in DATM (Nelson 1999). It has a probable shipyard use as a mast ax. For more information see the Registry of Maine Toolmakers (Brack 2008). <a href="http://www.davistownmuseum.org/pics/91303t20.jpg">http://www.davistownmuseum.org/pics/91303t20.jpg</a> <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a>		
<b>072112T3 Hewing ax</b>	DTM	TT
Iron and steel, wood, 8 1/2" long, 6" wide head, 24 1/2" long handle, signed "W. GRIFFEN". There is no obvious weld iron/steel interface. Is it late enough to be drop-forged? DATM (Nelson 1999, 335) lists a W. Griffen as a maker of wooden planes with no other information about him.		
<b>090508T9 Lathing hatchet</b>	DTM	MH
Forged steel, 6 3/4" long, 2" wide blade, signed "UNDERHILL" and "EDGE TOOL Co". <a href="http://www.davistownmuseum.org/bioUnderhill.html">http://www.davistownmuseum.org/bioUnderhill.html</a>		
<b>41203T8 Lathing hatchet</b>	DTM	MH
Forged steel, 6 7/8" long, 2 1/8" wide cutting blade, 12" long wooden handle, signed "US PAT OFFICE UNDERHILL BOSTON TRADEMARK". This is a typical forged steel tool from the prolific Underhill clan. Some tools marked Boston may have been made elsewhere and marketed in Boston. <a href="http://www.davistownmuseum.org/pics/41203t8_p4.jpg">http://www.davistownmuseum.org/pics/41203t8_p4.jpg</a> <a href="http://www.davistownmuseum.org/pics/41203t8_p1.jpg">http://www.davistownmuseum.org/pics/41203t8_p1.jpg</a>		

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Axes and Hatchets

		Status	Location
091909T1	<b>Mast ax</b>	DTM	MH
<p>Cast steel and wood, 27" long, 11 1/2" wide, 6" cutting edge, signed "UNDERHILL", "EDGE TOOL CO.", "WARRANTED", and "CAST STEEL".</p> <p>This ax was acquired from a 19th century Deer Isle, ME, boat shop.</p> <p><a href="http://www.davistownmuseum.org/pics/091909t1web2.jpg">http://www.davistownmuseum.org/pics/091909t1web2.jpg</a> <a href="http://www.davistownmuseum.org/pics/091909t1web1.jpg">http://www.davistownmuseum.org/pics/091909t1web1.jpg</a></p>			
22411T26	<b>Shingling hatchet</b>	DTM	TT
<p>Forged steel with a wooden handle, 12" long, 2 1/2" x 4 1/4" head, unsigned.</p> <p>This is a small size for this type of hatchet</p>			
31717T1	<b>Ship carpenter's broad ax</b>	DA	TT (Pub)
<p>Steel, wood, 31" long, 10 1/2" long head, 6" edge, signed "B.H. HOMER".</p> <p>Benjamin Homer worked out of Bucksport circa 1856.</p>			
8314T1	<b>Side broad ax</b>	DA	TT (Pub)
<p>Steel, wood (hickory), 34" long, 7 1/2" cutting edge, 1" wide, signed "N BOOTHBY" "CAST STEEL".</p> <p>The DATM (Nelson 1999) lists Noah Boothby as working out of Waterville, Maine from 1881-1882.</p> <p><a href="http://www.davistownmuseum.org/pics/8314T1-1web.jpg">http://www.davistownmuseum.org/pics/8314T1-1web.jpg</a> <a href="http://www.davistownmuseum.org/pics/8314T1-2web.jpg">http://www.davistownmuseum.org/pics/8314T1-2web.jpg</a></p>			
102612T1	<b>Yankee pattern broad ax</b>	LPC	MH
<p>Steel, wooden handle, 34 1/2" long, 10 1/2" long and 6 1/4" wide head, signed "T. C. JACKSON" "BATH ME".</p> <p>T. C. Jackson worked in Bath, ME from 1855 to 1869.</p>			
102612T2	<b>Yankee pattern mast ax</b>	LPC	MH
<p>Cast steel, wooden handle, 28" long, 12 1/2" long and 6" wide head, signed "UNDERHILL" "EDGE TOOL CO" "WARRENTED" "CAST STEEL" and an owner's mark "B. G. PRATT" on the handle.</p> <p><a href="http://www.davistownmuseum.org/bioUnderhill.html">http://www.davistownmuseum.org/bioUnderhill.html</a></p>			
<h3>Woodworking: Axes and Hatchets Made in Maine</h3>			
110611T4	<b>Broad ax</b>	DTM	TT
<p>Forged iron and steel with ash wood handle, 9 3/4" long blade, 9 1/2" cutting edge, 2' long handle, signed "S. EASTMAN BANGOR".</p> <p>The 1882 Maine business directory lists S. Eastman making axes and knives in both Bradford and N. Bradford Maine. This is the first Eastman edge tool in the Museum collection. For more information, see the Registry of Maine Toolmakers (Brack 2008).</p> <p><a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
51113T1	<b>Hewing ax</b>	LPC	MH
<p>Forged steel, wood (hickory), 30" long overall, head is 10" long with a 6 1/2" edge, signed "I.L. DUNTON LIBERTY WARRANTED".</p> <p>The Registry of Maine Toolmakers lists Isaac L. Dunton as an ax-maker in Liberty in 1862-1869. It is unknown if he was part of Dunton, Copp &amp; Co.</p>			
100208T4	<b>Mast ax</b>	DTM	MH
<p>Forged iron and steel, 10" long, 6" wide blade, 2 5/8" long and 15/16" wide poll, signed "PAYSON _O_" and "SO HOPE, ME. WARRANT__".</p> <p>The mark is possibly Payson &amp; Son, another variant of the marks of the Payson clan of Hope and Appleton, Maine. The Payson forge was probably located at the privilege at the drainage of Fish Pond in South Hope near Harts Mill. Courtesy of Liberty Tool Co.</p> <p><a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
121805T27	<b>Mast ax</b>	DTM	MH
<p>Forged iron and steel, signed "B Kelley &amp; Co. Belfast".</p> <p>The working dates of this company were from 1855 - 1881. The origin of the steel is uncertain.</p> <p><a href="http://www.davistownmuseum.org/pics/121805t27.jpg">http://www.davistownmuseum.org/pics/121805t27.jpg</a> <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			

## Woodworking: Boring Tools

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Boring Tools

	Status	Location
<b>TCE3001 Auger</b>	DTM	MH
Forged iron and steel, 16 1/2" long, 15/16" diameter, signed "N. C. SANFORD & CO 15 PATENT MAR071840". DATM (Nelson 1999, 688) lists Nathaniel C. Sanford & Co. working in Meridan, CT, manufacturing augers in 1851.		
<b>111002T1 Auger</b>	DTM	MH
Forged iron and steel, wood handle, 20 1/2" long, 2" diameter, 16" handle, signed "8 C. Drew & Co. Kingston". <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>		
<b>TCE1003B2 Auger bit</b>	DTM	MH
Forged iron and steel, 7/16" diameter cutter, signed "New Haven Copper Co. No 7". The "No 7" indicates the size. DATM (Nelson 1999, 571) lists this company as located in Seymour, CT, 1848, maker of augers and bits.		
<b>41203T3G Center bit</b>	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.		
<b>41203T3A Center bit</b>	DTM	MH
Drop-forged steel, signed "J Booth & Son". DATM (Nelson 1999) lists this company's working dates from 1850 - 1854 in Philadelphia, PA.		
<b>41203T3H Center bit</b>	DTM	MH
Steel, signed "W. Greaves & Sons Steel Works". This is made by a famous and prolific Sheffield, England, manufacturer.		
<b>41203T3J Center bit</b>	DTM	MH
Steel, signed "Spears & Jackson". This is made by another well known Sheffield, England, manufacturer.		
<b>63012LTC1 Center bit set</b>	DA	TT (Pub)
Cast steel, 3 3/4" to 5 1/2" long, 5/32" to 1 3/4" wide, signed "H HAWKE CAST STEEL" "F. WALTER CO CAST STEEL" "BOWER CAST STEEL" "MARSDEN BROTHERS SHEFFIELD" "P. WALTER & Co CAST STEEL" "BROWN & FLATHER CAST STEEL". This set contains 12 bits total. These auger drill bits are for use with a gentleman's bit brace. Courtesy of Liberty Tool Company.		
<b>41203T3 Center bits (10)</b>	DTM	MH
Cast steel, unsigned. This collection is intriguing because, though coming from the same tool chest, they all have different manufacturer's marks. They are an amazing example of the wide variety of sources for cast steel center bits in the mid-19th century, with a surprising number of Philadelphia makers. Perhaps the tool chest these were found in originated in Philadelphia. Follow the bio link to see a listing of these bits. <a href="http://www.davistownmuseum.org/pics/41203t3_p1.jpg">http://www.davistownmuseum.org/pics/41203t3_p1.jpg</a> <a href="http://www.davistownmuseum.org/Inventoryofpictures/WebInfoCenterBits.html">http://www.davistownmuseum.org/Inventoryofpictures/WebInfoCenterBits.html</a>		
<b>913108T46B Countersink</b>	DTM	MH
Steel, 4" long, signed "MORRISON & PARKER". This is an English maker, the name shows up in the "Official Descriptive and Illustrated Catalogue of the Great Exhibition of 1851" (books.google.com). They are listed as located on Rockinghamshire St, Sheffield and as making carpenters' braces and center bits, spirit levels, gauges, saw pads, augers, and other tools. The countersink is notched, suggesting that it goes in a gentlemans' brace.		
<b>31811T33 Drill bit</b>	DTM	TT
Drop-forged 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.		
<b>42012T5 Expansion bit</b>	DTM	TT
Steel, 9 1/8" long, 1" wide, signed "I H GIBBS" "NY" "PATENT" "June 17, 1855". DATM (Nelson 1999, 312) lists L. H. Gibbs of Washington, DC and NY, NY as holder of a patent for expansive bits, but the stamped date is invalid. This is one of the earliest expansion bit designs. Courtesy of Liberty Tool Co.		

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Boring Tools

Status Location

DTM MH

### 090508T6 Expansion bit

Steel, 9" long, signed "GIBBS" "NY" "PATENT" "JUNE 17 1855" and also stamped "H. M. WILSON" on the side.

The initials on the mark on this tool are obscured. It is L. H. Gibbs who received this patent. At the time, he was living in Washington, DC. It is unclear if he made the bit or if he moved to NY (Nelson 1999).

[http://www.davistownmuseum.org/pics/090508t6-bw-4\\_web.jpg](http://www.davistownmuseum.org/pics/090508t6-bw-4_web.jpg)

<http://www.davistownmuseum.org/pics/090508t6-bw-1-web.jpg>

### 52214T2 Paddle drill bit

DTM MH

Forged steel, 10 1/8" long, 1" wide, 1/4" wide, unsigned.

### 101008T1 Rafting auger

DTM MH

Malleable iron and low carbon steel, 37 1/2" long, 6" diameter auger, signed "MFG. CO." "MASS" and "USA" the rest is obscured. There is a fair amount of hand-forging noticeable, especially in the application of the handle. There is no spiral tip on the end.

### 22813T1 T-handle nut auger

DTM MH

Forged steel, wood (oak), 6 5/8" handle, 15" long bit, 1 3/4" diameter, unsigned.

## Woodworking: Edge Tools

### 12812T1 Adz

DTM TT

Drop-forged steel, 10 1/2" long, 2" tall, 3 1/2" cutting edge, signed "HARWOOD 3" "HARWOOD TOOL CO".

This maker is not in DATM (Nelson 1999).

### 31908PC4 Adz

DTM MH

Steel and wood, 30" long, 5" wide blade, signed "JOSIAH FOWLER CO. LT." and "ST. JOHN N.B.".

Josiah Fowler was a St. John, New Brunswick, Canada, edge toolmaker from 1864 to 1920.

<http://www.davistownmuseum.org/pics/31808pc4p1.jpg>

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

### 31908T19 Bevel edge firmer chisel

DTM MH

Forged iron and steel, wood, 16 1/2" long, 8 1/2" long blade, 1 1/2" wide, signed "G.I. MIX & Co" "YALE" and "EX".

It is possibly made with German steel that was made in the US by decarburizing cast iron. The maker might be Mix & Co., a chisel and drawknife maker in Cheshire, Connecticut.

<http://www.davistownmuseum.org/pics/31908t19.jpg>

<http://www.davistownmuseum.org/pics/31908t19-2.jpg>

### 040103T12 Block poll adz

DTM MH

Forged steel, 8" long, 4 3/8" wide blade, signed with what appears to be the touchmark of Josiah Fowler.

A hefty and finely made block adz, this tool seems to be all forged steel with no evidence of a weld steel lap.

[http://www.davistownmuseum.org/pics/040103t12\\_p1.jpg](http://www.davistownmuseum.org/pics/040103t12_p1.jpg)

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

### 32412T5 Carpenters' socket gouge

DTM TT

Drop-forged steel, 9" long, 11/16" wide cutting edge, 13/16" diameter socket, signed "A.W. CROSSMAN".

The mark belongs to Amory W. Crossman, who worked out of West Warren, Massachusetts, circa 1850-1866.

### 31908T30 Carving chisel

DTM MH

Steel and wood, 8 5/8" long, 2 1/2" long blade, signed "WARD".

This is most likely made by W. P. Ward, listed by DATM (Nelson 1999, 825) with no dates or location.

### 913108T46A Chisel

DTM MH

Forged iron and steel, brass ferrule, wood handle, 15 3/4" long, 7 1/2" long blade, signed "G. H. TUCKER".

This maker is not listed in DATM (Nelson 1999); perhaps it is English-made.

[http://www.davistownmuseum.org/pics/913108t46A\\_p2.jpg](http://www.davistownmuseum.org/pics/913108t46A_p2.jpg)

### 31808SLP30 Chisel

DTM TT

Steel and wood, 12" long, 6 1/2" long blade, signed "2" on both sides of the blade.

<http://www.davistownmuseum.org/pics/31808slp30.jpg>

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Edge Tools

		Status	Location
70701T9	<b>Cold chisel</b>	DTM	MH
Steel, 6" long, 1/2" wide, signed "C Drew & Co". <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>			
41203T2J	<b>Cold chisels and punches (12)</b>	DTM	MH
Steel, from 4 1/2" to 8 1/4" long, signed "C. Drew & Co.". <a href="http://www.davistownmuseum.org/pics/41203t2_p4.jpg">http://www.davistownmuseum.org/pics/41203t2_p4.jpg</a> <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a>			
071704T4	<b>Drawknife</b>	DTM	MH
Forged iron and steel, wood handles, 13" long, 6 1/2" long blade, signed "George", c. 1850. This drawknife was made by Currier George, Danville, NH and has a clearly welded steel cutting edge.			
72812T5	<b>Drawknife</b>	DTM	MH
Forged steel with welded edge, wood (rosewood), 18 1/2" long, 12" wide cutting edge, 5 1/2" long handles, signed "J.P. BILLINGS". This maker operated out of Clinton, Maine circa 1837 to 1887. For more information see the Registry of Maine Toolmakers (Brack 2008).			
913108T26	<b>Drawknife</b>	DTM	MH
Forged iron and steel with wood handle, 12 1/2" long, 8" blade, signed "A. WHITTEMORE". Amos Whittemore & Co. made cutlery, edge tools, knives, and leatherworking tools in Bennington, NH, 1855 - 1860. This tool's cutting edge is clearly welded steel. It has an uncommon New England maker's mark. <a href="http://www.davistownmuseum.org/bioWhittemore.html">http://www.davistownmuseum.org/bioWhittemore.html</a>			
100605T4	<b>Drawknife</b>	DTM	TB-O
Forged iron and steel with wooden handles, 17 3/4" wide including a 11 5/8" cutting edge, signed "W. FARNHAM". This tool was made by William Farnham of Richmond, Maine and has a clearly welded steel cutting edge. For more information see the Registry of Maine Toolmakers (Brack 2008). <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a>			
42801T17	<b>Drawknife</b>	DTM	MH
Forged iron, steel and wood, 11 1/2" long, 6 1/8" wide blade, signed "TH Witherby Razor blade". This is an excellent example of one of America's most famous manufacturers of edge tools. T. H. Witherby's working dates begin in 1849. He later became Witherby Tool Co. and then Winsted Edge Tool Works (Nelson 1999, 873). <a href="http://www.davistownmuseum.org/bioWitherby.html">http://www.davistownmuseum.org/bioWitherby.html</a>			
22411T16	<b>Drawknife</b>	DTM	TT
Forged steel, brass ferrules, and wooden handles, 8" long, 4" wide, 5" blade, unsigned. It is hand-forged from an old file.			
63001T7	<b>Drawknife</b>	DTM	MH
Forged iron, steel, wood, and brass ferrules, 13" long, 7" blade, signed "Wm Beatty & Son Chester PA 7". A prolific maker of edge tools, DATM (Nelson 1999) lists Wm Beatty as working as early as 1839. <a href="http://www.davistownmuseum.org/bioBeatyson.html">http://www.davistownmuseum.org/bioBeatyson.html</a>			
22311T15	<b>Drawknife</b>	DTM	TT
Forged iron and steel with a wood handle, 14" long, 8" long blade, signed "P. MERRILL & CO" "8" and owner's mark "ULCE". DATM (Nelson 1999) states that this is probably Pliny Merrill of Hinsdale, NH, c. 1856. It is part of the Robert Sullivan Collection donation.			
22311T17	<b>Drawknife</b>	DTM	TT
Forged iron and steel, brass ferrules, and a wood handle, 16" long, 8" long blade, signed "JAS". This drawknife is handmade with a unique straight extended handle on the left side. The blade has a tool steel cutting edge hand-forged to the malleable iron body. Part of the Robert Sullivan Collection donation.			
12714T2	<b>Drawshave</b>	LPC	MH
Reforged file steel, wood, brass, 14" long, 8 1/2" edge, 4 1/4" handles, signed "JE FLEMING".			

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Edge Tools

		Status	Location
61204T3	<b>Drawshave</b>	DTM	MH
<p>Forged iron, steel, wood handle, 18" wide, 9 3/8" long blade, signed "HIGGINS &amp; LIBBY" "PORTLAND" "5_". They were prolific Maine toolmakers. For more information see the Registry of Maine Toolmakers (Brack 2008).  <a href="http://www.davistownmuseum.org/pics/61204t3_p1.jpg">http://www.davistownmuseum.org/pics/61204t3_p1.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
121805T1	<b>Drawshave</b>	DTM	MH
<p>Forged iron and steel, wood handles, brass ferrules, 12" wide, 7 3/16" long cutting blade, signed "G. BARNAR__". This is probably G Barnard of Watertown, NY (DATM 1999, 58).  <a href="http://www.davistownmuseum.org/pics/121805T1_p2.jpg">http://www.davistownmuseum.org/pics/121805T1_p2.jpg</a></p>			
31908T26	<b>Drawshave</b>	DTM	MH
<p>Forged iron, steel, brass ferrules, and wood, 14 1/2" wide, 9" long blade, signed "S. BALDWIN" on blade and "EMB" on handle. Samuel Baldwin of Bennington, NH, had working dates from 1826 to 1870. He made axes, cutlery, drawknives, knives, leather tools, screwdrivers, and shaves.</p>			
051310T1	<b>Drawshave</b>	DTM	MH-O
<p>Forged iron and steel, brass, and wood, 15" long, 4 1/2" wide, signed "H. E. Abbott" with two arrows, one on either side of the name, both pointing towards the name.                      This maker is not in DATM (Nelson 1999). It has a clearly welded steel cutting edge.</p>			
52907T4	<b>Framing chisel</b>	DTM	MH
<p>Forged iron and steel, wood handle with an iron tang, 14 7/8" long with a 4 1/2" handle, 1 15/16" wide, unsigned.                      This unmarked socket type edge tool is significant in that as a damaged tool with a broken off cutting edge, it clearly shows the common technique of welding steel to the bottom of a forged malleable iron body. The steel iron interface is clearly visible on the bottom of the tool, but not on the top surface, which appears to be all steel. The fracture of the break clearly illustrates the lower quality of the iron body of the chisel.  <a href="http://www.davistownmuseum.org/pics/52907t4_pic1.jpg">http://www.davistownmuseum.org/pics/52907t4_pic1.jpg</a>  <a href="http://www.davistownmuseum.org/pics/52907t4_pic2.jpg">http://www.davistownmuseum.org/pics/52907t4_pic2.jpg</a></p>			
42604T8	<b>Framing chisel</b>	DTM	MH
<p>Forged iron and steel, 11 3/4" long, 2" wide, signed "T. H. WITHERBY" "WARRANTED".                      This tool has an obvious welded steel cutting edge.  <a href="http://www.davistownmuseum.org/bioWitherby.html">http://www.davistownmuseum.org/bioWitherby.html</a></p>			
81101T9	<b>Gouge</b>	DTM	MH
<p>Forged iron and steel, wood, 14 7/8" long, 2" blade, signed "J.M. SHEFFIELD 141 AVE. CNY SOLD BY A. S. MORSE BOSTON MASS".                      DATM (Nelson 1999) lists Sheffield as working in New York City, dates unknown and Stamford, CT, 1849 - 1859. This gouge was used by the Wheeler Boat Shop in Gloucester, MA. It dates from the early years of America's cast steel manufacturing.  <a href="http://www.davistownmuseum.org/pics/81101T9_p1.jpg">http://www.davistownmuseum.org/pics/81101T9_p1.jpg</a>  <a href="http://www.davistownmuseum.org/pics/81101T9_p2.jpg">http://www.davistownmuseum.org/pics/81101T9_p2.jpg</a></p>			
91914T6	<b>Gouge</b>	LPC	TT (Pub)
<p>Cast steel, wood, brass, 1 1/2" edge, 13 1/2" long, 1 3/4" diameter handle, signed "1 1/2 I &amp; W MARSHALL CAST STEEL".                      John &amp; William Marshall are listed in the 1852 White's Directory of Sheffield, as edge tool, Patent Scythe &amp; Machine Knife, saws, joiners tool and file makers. Perhaps the "I" is actually a "J"?</p>			
52016T3	<b>Gouge</b>	DTM	TT
<p>Cast steel, forged steel, wood, 13 1/2" long, 1 7/8" wide, 3/4" thick, signed "ASHFORTH HOLMAN &amp; CO CAST STEEL".                      Ashforth, Holman &amp; Co. is listed in the 1857 Sheffield business directory.</p>			
14302T15	<b>Gouge</b>	DTM	MH
<p>Forged iron, steel, brass, and wood, 9 1/2" long, 4 1/2" long handle, signed "IH" and "J. Harrison Warranted".                      This tool is made by John Harrison, Instone Mills, Dronfield, Sheffield UK                      (http://swingleydev.com/archive/get.php?message_id=95422&amp;submit_thread=1).</p>			
42607T4	<b>Gouge</b>	DTM	MH
<p>Forged iron and steel, iron ferrules, wooden handle, 11 5/8" long including a 5 1/8" long handle and 1 5/16" wide blade, signed "PEUGEOT FRERES" with a man in the moon hallmark.                      It is almost certainly forged from German steel.</p>			

**090105T1 Gutter adz**

DTM TB

Forged iron and steel, wood, 9 5/8" long, 4" wide head, 2 3/4" poll, 32 1/4" handle, signed "G.FLOYD" and owner's marks "J.B.L" and "R.T.W.".

This edge tool has a distinctly welded steel cutting edge, with evidence of use of file steel. DATM (Nelson 1999) states that G. Floyd made adzes. We believe this to be the same as Floyd of Portland, Maine who made adzes and axes circa 1850 and the Floyd & Stanwood edge toolmakers of Portland, ME of 1855-56 (Brack 2008). This is a rare mark.

[http://www.davistownmuseum.org/pics/090105t1\\_p2.jpg](http://www.davistownmuseum.org/pics/090105t1_p2.jpg)

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

**121112T2 Gutter adz**

LPC MH

Forged steel and iron, wooden handle, 9 3/4" long, 2 1/2" peen, 2 3/4" long severely curved cutting edge, signed "Jim Sheffield 141 Ave C N. Y.".

This adz has a clearly steeled cutting edge. James M. Sheffield later became part of Watts & Sheffield around 1841 (Nelson 1999, 710, 833).

**4917T1 Hammer head adz**

DA TT  
(Pub)

Forged steel, hickory wood, 11" long, 6 1/2" long head, 1 3/4" edge, unsigned.

This tool is closer to a Scotch pattern hammer head adz than a cooper's adz.

**91914T5 Mortise chisel**

LPC TT  
(Pub)

Cast steel, wood (hickory), 14 1/2" long, 11" steel bit, 1/4" edge, signed "B K BAKER WARRANTED CAST STEEL".

B.K. Baker worked in Williamsburg, MA circa 1849.

**041505T24 Mortising chisel**

DTM MH

Forged iron and steel, 10 7/8" long, signed "UNDERHILL" "EDGE TOOL Co.".

The Underhill Edge Tool Co. operated in Nashua, NH, 1852 - 1890. This is a particularly interesting specimen of an edge tool. The Underhills made some of the finest steel edge tools made in the US. This particular tool is not cast steel, but forged iron and weld steel. What is unusual is the appearance, in the iron component above the weld, of the tell tale inclusion of wrought iron illustrating that this particular tool was made of relatively unrefined wrought iron. The lower quality iron resulted in an irregular (but obvious) weld, in an unusual anomaly for a company that usually made the finest edge tools. In this case, was this bog iron from a local source? If so, it is unusual for this late date (c. 1855).

[http://www.davistownmuseum.org/pics/041505t24\\_p2.jpg](http://www.davistownmuseum.org/pics/041505t24_p2.jpg)

<http://www.davistownmuseum.org/pics/041505t24.jpg>

**31602T9 Mortising chisel**

DTM MH

Forged iron, steel, wood, brass ferrule, 10 3/8" long, 5/16" wide blade, signed "T. SHAW".

Goodman's "British planemakers" (1993) lists a Thomas Shaw who was a partner in the firm Martin & Shaw of Birmingham, England, from 1843f. Could he be this T. Shaw? DATM (Nelson 1999, 710) lists T. Shaw as making shaves with no location or dates.

**111412T8 Mortising chisel**

DTM MH

Forged iron and steel, 9 3/4" long, 3/8" wide, unsigned.

This is a socket chisel with the handle missing. It provides a nice example of a clearly steeled cutting edge.

**3213T3 Mortising chisel**

DTM MH

Cast steel, wood (hickory), 13 3/4" long, 9 1/2" blade, 5/8" edge, signed "J. RUSSELL & CO CAST STEEL".

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

**40107T1 Mortising chisel**

DTM MH

Forged iron and steel, 13 1/2" long, 1/2" wide including a 1 3/4" wood handle and iron ferrule, signed "HOWAR\_".

It was probably made by a predecessor to the Howard Mfg. Co. of Belfast. This is a typical weld steel edge tool made of malleable iron with clearly visible alloy inclusions and the traditional welded steel cutting edge on the bottom of the chisel, angling towards the top of the chisel from mid-tool to the cutting edge.

[http://www.davistownmuseum.org/pics/40107t1\\_pic1.jpg](http://www.davistownmuseum.org/pics/40107t1_pic1.jpg)

[http://www.davistownmuseum.org/pics/40107t1\\_sig.jpg](http://www.davistownmuseum.org/pics/40107t1_sig.jpg)

**111412T9 Paring chisel**

DTM MH

Forged German steel, 10" long, unsigned.

This chisel's handle is missing.

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Edge Tools

Status Location

12712T2	<b>Peen adz</b>	DTM	TT
<p>Forged iron and steel, wooden handle, 10 7/8" long, 4 1/4" wide blade, 2 3/4" long and 3/4" wide 8-sided peen, signed "J STUART" and other obscured markings.</p> <p>No J. Stuart is noted in DATM (Nelson 1999).</p>			
3312T16	<b>Putty knife (scraper)</b>	DTM	TT
<p>Drop-forged malleable iron or steel blade, rosewood handle, 8" long, 4" wide blade, signed "RUSSELL" "GREEN RIVER WORKS" and stamped on the handle "535" and "4".</p> <p>John Russell &amp; Co. was located in Greenfield and Deerfield, MA, from 1832 to 1865 (Nelson 1999). Courtesy of Liberty Tool Co.</p> <p><a href="http://www.davistownmuseum.org/bioRussel.html">http://www.davistownmuseum.org/bioRussel.html</a></p>			
31011T2	<b>Reamer</b>	DTM	TT
<p>Forged malleable iron and steel, 7" long, 3" x 1" cutting area, unsigned.</p> <p>This is a handmade tapered convex-shaped reamer.</p>			
71401T9	<b>Scraper</b>	DTM	MH
<p>Forged iron, steel, wood, 15" long, 2 1/4" wide, 1 1/2" cutting edge, signed "L M Hildreth New Haven CONN PAT Applied For".</p> <p>Hildreth is not listed in DATM (Nelson 1999).</p>			
102804T2	<b>Slick</b>	LPC	MH
<p>Forged iron and steel, wood, signed "P. MERRILL &amp; CO.".</p> <p>DATM(Nelson 1999) states that this is probably Pliny Merrill of Hinsdale, NH, c. 1856. He later worked with his nephew George S. Wilder under the name MERRILL &amp; WILDER around 1860.</p>			
62202T3	<b>Slick</b>	DTM	MH
<p>Forged iron and steel with birch handle, 28 1/4" long, 2" wide, 9" long nicely turned handle, unsigned.</p> <p>This tool is an exquisite example of a finely forged edge tool, date and location of manufacture unknown. Joel Pontz of the Plymouth Plantation (Plymouth, MA) purchased this tool at a yard sale many years ago for one dollar.</p> <p><a href="http://www.davistownmuseum.org/pics/62202t3.jpg">http://www.davistownmuseum.org/pics/62202t3.jpg</a></p>			
TCC2007	<b>Socket chisel</b>	DTM	MH
<p>Forged iron and steel, 10 5/8" long without handle, 7/16" wide, signed "Buck Brothers, Millbury, MA".</p> <p>The touchmark on this chisel is probably the early mark of the Buck Brothers. While Buck tools are ubiquitous, Buck Brothers tools with this mark are very uncommon. This steel chisel signals the evolution of the factory system of mass production of hand tools that had evolved by the middle of the 19th century.</p> <p><a href="http://www.davistownmuseum.org/bioBuckBrothers.html">http://www.davistownmuseum.org/bioBuckBrothers.html</a></p>			
82816T1	<b>Socket chisel</b>	LPC	MH
<p>Cast steel, 11 3/16" long, 11/16" edge, signed "H SEELYE CAST STEEL".</p> <p>Seelye is not listed in the DATM (Nelson 1999). This tool looks like it might be European.</p>			
TCS1003	<b>Socket chisel</b>	BDTM	MH
<p>Forged iron and steel, 7 1/4" long, signed "J Fowler St John NB".</p> <p><a href="http://www.davistownmuseum.org/bioFowler.html">http://www.davistownmuseum.org/bioFowler.html</a></p>			
63001T4	<b>Socket chisel</b>	DTM	MH
<p>Forged iron and steel, 11 3/8" long, 1 1/2" wide, signed "T H Witherby Warranted".</p> <p>This is an extra long example of the work of one of the most important American edge tool manufacturers of the early and classic periods of the Industrial Revolution. Thomas H. Witherby began making tools in Millbury, Mass., in 1849 and later became the Witherby Tool Co., c. 1868 and around 1890 the Winsted Edge Tool Works (Nelson 1999, 871 - 873).</p> <p><a href="http://www.davistownmuseum.org/bioWitherby.html">http://www.davistownmuseum.org/bioWitherby.html</a></p>			
61916T1	<b>Socket chisel</b>	LPC	TT
<p>Cast steel, 11 3/8" long, 1 7/16" wide, 1 3/16" socket, signed "J.H. WHITMAN CAST STEEL".</p> <p>This maker is not listed in the DATM (Nelson 1999) or Sheffield business directories.</p>			
122114T2	<b>Socket chisel</b>	DTM	TT
<p>Steel, wood (hickory), 12 1/2" long, 1 1/2" edge, 3 3/8" handle, signed "MR HALL".</p>			



**62207T1 Chisel**

DTM MH

Cast steel, wood, 1 3/8" long including a 7 3/4" long handle, 1 15/16" wide, 1" iron ferrule, signed "THAMESVILLECo" "CAST STEEL".

This is probably an American-made tool but is the English style of a tanged chisel.

[http://www.davistownmuseum.org/pics/062207t1\\_p1.jpg](http://www.davistownmuseum.org/pics/062207t1_p1.jpg)

[http://www.davistownmuseum.org/pics/062207t1\\_sig.jpg](http://www.davistownmuseum.org/pics/062207t1_sig.jpg)

**914108T4 Chisel**

DTM MH

Cast steel, 9" long, signed "J. WADSWORTH" and "CAST STEEL".

**31811T17 Chisel**

DTM TT-D9

Cast steel, 12 1/12" long, 3/4" wide, signed "J. BOWLIN" "CAST STEEL".

It has no handle.

**72801T5 Complex spokeshave**

DTM MH

Cast iron with cast steel blades, 7 3/4" long, 1/2" curved blade and a 1 3/4" straight blade, signed "S. Smith & Son Cast Steel".

DATM (Nelson 1999, 728) lists Seymour Smith & Son as using this mark. They worked in Oakville, CT, 1854-1905 and made shaves, axes, and saw tools. Is this tool cast iron or drop-forged iron? Were these blades imported from England?

**71401T3 Drawknife**

DTM MH

Forged iron, cast steel, brass, and wood, signed "Underwood & Brown Warranted Cast Steel".

DATM (Nelson 1999) lists Underwood and Brown in Auburn, NH, 1850 - 56. One of the Underwood clan joined in business with a Nathaniel or John Sleeper Brown.

**071704T5 Drawknife**

DTM MH

Forged iron, cast steel, wood, 16 1/2" long, 8 7/8" long blade, signed "A.G.WOOD" and "CAST-STEEL".

Almost certainly this is a New England-made tool; there is no A. G. Wood listed in DATM (Nelson 1999).

<http://www.davistownmuseum.org/pics/071704t5-2.jpg>

<http://www.davistownmuseum.org/pics/071704t5-2.jpg>

**31811T1 Drawknife**

DTM TT

Forged iron, cast steel, wooden handles, 21" long, 5" long handles, 13" long and 1 7/8" wide blade, signed "UNDERHILL BROWN & LEIGHTON CAST-STEEL".

DATM (Nelson 1999) indicates that "Nathaniel and/or John Sleeper Brown were probably part of this partnership which preceded Underhill & Brown in Auburn and Underhill & Leighton in Manchester. The Leighton was William W." The working date was 1849 in Auburn, NH.

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

**31808PC15 Drawshave**

DTM MH

Forged iron, cast steel, brass ferrules, and wood, 13 5/8" long, 8 3/4" long blade, signed "UNDERHILL" "& BROWN" "AUBURN N.H." "CAST STEEL" "WARRANTED" "8 1/2" and upside down "J. T. RICH", an owner's signature.

Underhill & Brown worked in Auburn, NH, from 1850 - 1856.

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

**42405T6 Drawshave**

DTM MH

Forged iron, cast steel, iron ferrules, wood handles, 14 3/8" long, 8 1/2" cutting edge, signed "M & AM DARLING CAST STEEL WARRANTED".

This is a previously unrecorded maker's mark, almost certainly American. Is there any relationship to Samuel Darling of Darling, Brown & Sharpe or other New England Darling toolmakers?

**913108T42 Framing chisel**

DTM MH

Cast steel, 11 1/2" long, 7 1/2" long blade, signed "F. DICKINSON" "CAST STEEL" and "WARRANTED".

This was made by chisel-maker Friend Dickinson, Higganum, Connecticut who started working in 1849 (Nelson 1999).

[http://www.davistownmuseum.org/pics/913108t42\\_p2.jpg](http://www.davistownmuseum.org/pics/913108t42_p2.jpg)

**101312LTC1 Framing chisel**

DA TT  
(Pub)

Cast steel, 10" long, 1 3/4" edge, signed "ISAAC.GREAVES CAST STEEL".

Isaac Greaves worked out of Basking Ridge, NY circa 1850. His relation, if any, to W. Greaves is unknown.

032203T10 **Framing chisel**

DTM MH

Forged iron and cast steel, 16" long including a 4 3/8" handle, signed "TH WITHERBY" " Warranted".

Thomas H. Witherby began the manufacture of edge tools in Millbury, MA, in 1849, and along with the Buck Brothers and the Underhill clan, was one of the preeminent manufacturers of American-made edge tools after the Civil War. The Witherby Tool Co., and later the Winsted Edge Tool Co., continued using its founder's mark until as late as 1890.

[http://www.davistownmuseum.org/pics/032203t13\\_p3.jpg](http://www.davistownmuseum.org/pics/032203t13_p3.jpg)

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

032203T13 **Framing chisel**

DTM MH

Cast steel with a wood handle, 12 1/2" long including a 4" handle, signed "BUCK BROS" "CAST STEEL" with a bucks head touchmark.

This is a socket chisel.

[http://www.davistownmuseum.org/pics/032203t10\\_p1.jpg](http://www.davistownmuseum.org/pics/032203t10_p1.jpg)

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

51100T10 **Mortising chisel**

DTM MH

Forged iron and cast steel, 11 1/4" long, 11/16" wide, signed "UNDERHILL & LEIGHTON MANCHESTER CAST STEEL" with a owner's signature of "J.W. Benway".

DATM (Nelson 1999) states that this is thought to be a partnership of Hazen R. Underhill and William W. Leighton, both working in the Manchester, NH, area c. 1852. They were makers of chisels and edge tools. Underhill is the most prolific of all 19th century American edge toolmakers; this is a very rare mark. Hazen is only one of many toolmakers in the Underhill clan.

<http://www.davistownmuseum.org/pics/51100t10.jpg>

[http://www.davistownmuseum.org/pics/51100t10\\_sig.jpg](http://www.davistownmuseum.org/pics/51100t10_sig.jpg)

42904T6 **Mortising chisel**

DTM MH

Forged iron and cast steel with wooden handle, 10 3/8" long with additional 3 1/4" handle, 3/8" wide, signed "UNDERHILL" "& BROWN" "CAST STEEL" and on the other side "WARRANTED" "AUBURN.N.Y." and "JC" owner's mark, 1850 - 1856.

This is an excellent example of the florescence of American toolmakers.

112303T2 **Mortising gouge**

DTM MH

Hand-forged cast steel, 13 7/8" long, 3 1/8" wide, signed "UNDERHILL" "CAST STEEL" and on the underside "BOSTON", also "TH" made with small dots, probably an owner's mark.

This is the largest gouge we have ever seen. It was discovered in conjunction with a Buck Brothers slick and other timber framing tools in an 18th century barn in Hanson, MA. Probably, it was once used in the heyday of shipbuilding on the North River at Scituate, Norwell, and Hanover.

[http://www.davistownmuseum.org/pics/112303t2\\_p1.jpg](http://www.davistownmuseum.org/pics/112303t2_p1.jpg)

[http://www.davistownmuseum.org/pics/112303t2\\_p4.jpg](http://www.davistownmuseum.org/pics/112303t2_p4.jpg)

12900T2 **Peen adz**

DTM MH

Forged iron and cast steel, 10 1/2" long, 2 1/2" tall, 4 1/2" wide cutting edge, signed "J. Gray Kingston" "CAST-STEEL".

DATM (Nelson 1999) lists John Gray as an edge toolmaker, Kingston, MA, c. 1849. What was his association with his famous neighbor, Christopher Drew?

72801T4 **Peen adz**

DTM MH

Forged iron, cast steel, wood, 10 1/2" long, 4 1/4" wide blade, 31 1/4" handle, signed "Boston Arnold".

No Arnold of Boston is listed in DATM (Nelson 1999). Who was this manufacturer of edge tools?

<http://www.davistownmuseum.org/pics/72801t4.jpg>

030505T1 **Slick**

DTM MH-O

Forged iron, cast steel, wood, 29 1/2" long including the wooden handle, 15 1/2" long blade that is 4" wide tapering to 1.5", signed "C. STILLER" "ST. JOHN" "CAST STEEL WARRANTED".

This slick is unusual; instead of being flat across, it has a central ridge with slightly slanted sides but no beveling. It came from a Brookline, MA, collector and was forged by an important Canadian edge toolmaker.

[http://www.davistownmuseum.org/pics/030505t1\\_p1.jpg](http://www.davistownmuseum.org/pics/030505t1_p1.jpg)

81101T13 **Socket chisel**

DTM MH

Forged iron and cast steel, 8 15/16" long, 1 1/2" wide, signed "F Dickinson cast steel warranted".

DATM (Nelson 1999) lists Friend Dickinson as working in Higganum, CT, 1849. Was this "cast steel" produced in Pittsburgh, PA, or imported from England?

31908T20 **Timber framing chisel**

DTM MH

Forged iron, cast steel, wood, 16 1/2" long with an 8" long blade, 2" wide, signed "CAST STEEL" and a partially obscured "BL\_". The signature is possibly Buck Brothers.

<http://www.davistownmuseum.org/pics/31908t20.jpg>

<http://www.davistownmuseum.org/pics/31908t20-3.jpg>

31908T22 **Timber framing chisel**

DTM MH

Forged iron, cast steel, wood, 14 1/4" long, 6 1/2" blade, signed "THE" "R E RIFLEWORKS" "CAST STEEL" and "WARRANTED", Rifleworks is in an arch shape.

This toolmaker is not listed in DATM (Nelson 1999).

42405T5 **Wood chisel**

DTM MH

Forged iron, cast steel, wood handle, 13 1/4" long including a 7 3/8" long handle, 1 1/2" wide, signed "Thamesville Co. Cast Steel".

This is a run of the mill edge tool except for its mark, which is not listed in DATM (Nelson 1999). It does list a Thames Tool Co. in Connecticut, but no dates for it. This mark has not been previously observed. There is a Thamesville, CT and a Thamesville, Ontario, Canada. Almost certainly, it is an obscure Connecticut toolmaker.

**Woodworking: Edge Tools - Imported Cast Steel**31908T25 **Carving tool**

DTM MH

Forged iron and cast steel (?), wood, 2 5/8" long curved blade, signed "HERRING BROS" and "LONDON".

091309T1 **Chisel**

DTM MH

Cast steel and wood, 11 1/2" long, 1 1/4" wide, 5/16" cutting edge, signed "I. & H. Sorby".

"John Sorby was the brother of Thomas and hence uncle of Robert [Sorby]. He too was engaged in the manufacture of edge tools, joiners tools, saws, sheep shears, files and followed the family tradition by being appointed Master Cutler in 1806. After his retirement his two sons, John and Henry, continued the business and started to use the trade mark 'I & H Sorby'. Although John Sorby & Sons was acquired first in 1849 by Lockwood Brothers - cousins of the family - and later by both Turner, Naylor and Co and William Marples, the 'I and H Sorby' mark was still used well into the twentieth century." ([http://www.robert-sorby.co.uk/company\\_info.htm](http://www.robert-sorby.co.uk/company_info.htm)).

31908T34 **Drawknife**

DTM MH

Steel and wood, 5 1/2" long blade, 13" wide, signed "PEUGEOT FRERES" "TOUT ACIER FONDU ANGLAIS".

The stamp translates to "all molten steel English", which suggest the company was using English cast steel. "Jean-Jacques Peugeot was a miller in 1725. One of his sons, Jean-Pierre, was a weaver. By leaving his inheritors the Sous-Cratet flour mill at Hérimoncourt, this son was the catalyst for the industrial orientation of the family. In 1810, Jean-Pierre's sons, Jean-Pierre II and Jean-Frédéric, joined forces with Jacques Maillard-Salins (who was a member of the well-known Japy family of watchmakers) to found the Peugeot Brothers and Maillard-Salins company. The company was a specialist manufacturer of laminated steel and tools. The requirement for the necessary capital to achieve growth led the company to form partnerships with new associates. It became Peugeot-Frères et Compagnie in 1819. Jean-Pierre II and Jean-Frédéric regained their independence in 1832 with the company Peugeot Frères Aînés. This company underwent a crisis in 1851. Jules and Emile, the two sons of Jean-Pierre II, entered a partnership with a nephew to create Peugeot Frères, with its head office in Valentigney." (<http://www.peugeot.com/en/history/the-lion's-story/a-family-saga.aspx>).

102904T14 **Framing chisel**

DTM MH

Forged iron, steel, 11 5/8" long, 2" wide, signed "W. BROOKES & SONS".

It has no handle. It has clear evidence of hand filing. W. Brookes & Sons is not listed in DATM (Nelson 1999). The signature is very clear and not obscured. This chisel is a typical 19th century timber framing tool. A Sheffield Trades listing from 1857 gives:

"Brookes W. & Sons, Carlisle st" as makers of edge tools, cutlery, razors, etc.

[http://www.davistownmuseum.org/pics/102904t14\\_p1.jpg](http://www.davistownmuseum.org/pics/102904t14_p1.jpg)

090109T5 **Gouge**

DTM MH

Cast steel, brass, and rosewood, 12" long including a 4 1/2" long handle, 1" wide cutting edge, signed "KNOWLES" and "SHEFFIELD".

The mark may be "KNOWLES & Co", the last part is obscured.

<http://www.davistownmuseum.org/pics/090109T5web2.jpg>

<http://www.davistownmuseum.org/pics/090109T5web3.jpg>

71401T21 **Gouge**

DTM MH

Forged iron and steel, 8 1/2" long, 3 1/2" handle, signed "Schroder & Arete".

This is an unusual signature of an as yet unidentified European manufacturer, which is almost certainly made of German steel.

913108T44     **Gouge**

DTM   MH

Forged iron and steel with a wooden handle, 15" long, 10" long blade, signed "ASKHAM & MOSFORTH".

This gouge was made by John Askham and Thomas Mosforth, 57 Broad Lane, Sheffield, England. It would have been made between 1852 and 1855. They also made chisels, and knives of various designs - table knives, pocket knives, spring bladed knives etc. They did have an office in New York, and Askham was there for some years as he carried on the business when the Askham and Mosforth partnership was dissolved in 1855. The company was then called 'Askham'. Thomas Mosforth died in 1857 at the age of 36. the Askham and Mosforth company was originally Frost, Askham and Mosforth 1850-1852 (Frost retired in 1852). This information courtesy of Thomas Mosforth's great, great, great niece.

[http://www.davistownmuseum.org/biopics/Askham\\_letterhead.jpg](http://www.davistownmuseum.org/biopics/Askham_letterhead.jpg)

<http://www.davistownmuseum.org/biopics/BroadLaneWorks.jpg>

51703T2     **Tanged firmer chisel**

DTM   MH

Cast steel, brass ferrule, and wood handle, 10 1/2" long, includes a 6" long handle, 5/8" wide cutting edge, signed "W. Butcher Cast Steel".

The Butcher cartouche is clearly imprinted on the reverse side of the chisel shoulder. Butcher was one of the most prolific Sheffield edge toolmakers and their tools were imported to the colonies and the republic until the late 19th century.

041505T27     **Turning tool**

DTM   MH

Cast steel, iron ferrule, and wood handle, 15" long including a 6 5/8" handle, 1 1/2" wide, signed "R GROVER & SON" "CAST STEEL" with crown hallmark.

This is a typical mid-19th century import from one of Sheffield's foremost edge toolmakers.

<http://www.davistownmuseum.org/pics/041505t27.jpg>

**Woodworking: Edge Tools Made in Maine**33011T2     **Adz**

DTM   TT

Forged iron and steel with oak handle, 8 1/2" long, 4" wide head and 36" long handle, signed "VAUGHN" "\_\_\_\_" "WARRAN\_\_" and "UNION".

This adz has a spike head. The signature is difficult to read but appears to be Vaughn and Pardoe of Union, ME. For more information see the Registry of Maine Toolmakers (Brack 2008).

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

121906T2     **Adz**

DTM   MH-O

Steel, wooden handle, 31 1/4" long handle, 2 7/8" long handle shaft, 9 7/8" including 2 1/2" peen on head, 5 7/16" wide, signed "J P BILLINGS CLINTON MAINE".

This adz is the only known example of a J. P. Billings shipwrights' adz. This adz has the lip of the Yankee pattern adz, the most popular adz for New England's shipwrights. Surprisingly, the tool, obviously of high quality steel is not marked cast steel, again raising the question of the type of steel used by New England edge toolmakers before the Civil War. Also of interest is the extent to which Billings and other Waterville area shipsmiths and edge toolmakers supplied the bustling shipyards downstream at Richmond, Dresden, and Bath (etc.) on the Kennebec River. Was Billings also a shipsmith producing some of the ironware needed by the sailing ships being built in the lower Kennebec, or was he only an edge toolmaker? J. P. Billings was one of many members of the Billings clan of blacksmiths and edge toolmakers whose activities date at least to the early 19th century and extend almost to the 20th century. More information about this obviously important edge toolmaker and his relationship to the booming shipbuilding towns on the lower Kennebec would be greatly appreciated.

[http://www.davistownmuseum.org/pics/121906T2\\_p1.jpg](http://www.davistownmuseum.org/pics/121906T2_p1.jpg)

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

41212T1     **Adz**

DTM   MH

Forged iron and steel, wooden handle, 30 1/2" long, 4 1/4" wide cutting edge, signed "MOWRY".

This adz was probably made by M.H. Mowry of Union, ME, circa 1862. Courtesy of Liberty Tool Co.

40107T2     **Block adz**

DTM   MH

Forged iron and cast steel, 8 1/2" long, 4 3/8" wide cutting blade, 2" wide block end, signed "J. THAXTER" "PORTLAND" and "CAST STEEL".

This slightly defective block adz is interesting as an example of a welded steel or steeled adz with clear defects in the body of the rather wide cutting blade. On the block a late weld (1920s?) suggests it may have had a peen, yet its haft and breadth suggests a railroad adz.

<http://www.davistownmuseum.org/pics/40107t2.jpg>

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

		Status	Location
<b>062603T2</b>	<b>Clapboard slick</b>	DTM	MH
<p>Forged iron and steel with a wooden handle, 34 3/8" total length, 15 3/4" handle, 4" wide blade, signed "VAUGHAN PARDOE &amp; Co UNION WARRANTED".</p> <p><a href="http://www.davistownmuseum.org/pics/062603t2_p1.jpg">http://www.davistownmuseum.org/pics/062603t2_p1.jpg</a>  <a href="http://www.davistownmuseum.org/bioVaughn.htm">http://www.davistownmuseum.org/bioVaughn.htm</a></p>			
<b>52403T3</b>	<b>Clapboard slick</b>	LPC	MH
<p>Forged iron and steel, wood handle, 21 1/2" long, 4 3/4" wide cutting edge, 14 1/2" beveled steel handle, 4 3/4" long turned wood handle, signed "BILLINGS AUGUSTA".</p> <p>Another fine production of the Billings clan -- this one is by the Augusta drawknife maker, first name and date of manufacture are not yet available. For more information see the Registry of Maine Toolmakers (Brack 2008).</p> <p><a href="http://www.davistownmuseum.org/pics/52403t3_p3.jpg">http://www.davistownmuseum.org/pics/52403t3_p3.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
<b>21201T3</b>	<b>Clapboard slick</b>	DTM	MH
<p>Forged iron and steel, 29 3/4" long including a 7" handle, 2 3/16" wide blade, signed "_UGHAN &amp; PARDO_ UNION WARRANTEED".</p> <p>This is made by Vaughan &amp; Pardoe of Union, Maine. Working dates for this company are 1844-1868. It is a gift to The Davistown Museum from Rick Floyd of Newport, ME.</p> <p><a href="http://www.davistownmuseum.org/pics/21201t3_p3.jpg">http://www.davistownmuseum.org/pics/21201t3_p3.jpg</a>  <a href="http://www.davistownmuseum.org/bioVaughn.htm">http://www.davistownmuseum.org/bioVaughn.htm</a></p>			
<b>30801T2</b>	<b>Drawknife</b>	DTM	MH
<p>Forged iron and steel, wood handles, 19" wide, 13 3/4" blade, signed "J M DENNIS EAST NEW-PORTLAND".</p> <p>The steel-iron interface in this edge tool has been made nearly invisible by careful forge-welding. Only one or two other J. M. Dennis tools are known to exist. The Directory of American Toolmakers (DATM 1999) lists Dennis as an ax and edge toolmaker, c. 1856. The Davistown Museum is looking for more information on this toolmaker. Donated by Roger K. Smith.</p> <p><a href="http://www.davistownmuseum.org/pics/30801t2_p3.jpg">http://www.davistownmuseum.org/pics/30801t2_p3.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
<b>62504T1</b>	<b>Drawknife</b>	DTM	MH
<p>Forged iron and steel, wood, 15 3/4" long, 10 1/4" blade, signed "G.B. RICKER" "CHERRYFIELD".</p> <p>This is a nicely made steeled drawknife in the English style, made by one of Downeast Maine's most prolific toolmakers. Question: where was the steel in this tool made?</p> <p><a href="http://www.davistownmuseum.org/pics/62504t1_p3.jpg">http://www.davistownmuseum.org/pics/62504t1_p3.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
<b>31908T33</b>	<b>Drawshave</b>	DTM	MH
<p>Forged iron and steel, wood, 18" wide, 12" long blade, signed "B.R.MOWRY".</p> <p>Bradley R. Mowry of Union, Maine worked from 1820 - 1860 making adzes and edge tools.</p> <p><a href="http://www.davistownmuseum.org/pics/31908t33p2.jpg">http://www.davistownmuseum.org/pics/31908t33p2.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
<b>51606T1</b>	<b>Framing chisel</b>	DTM	MH
<p>Forged iron and steel, 11" long, 1 7/16" wide, signed "A. SMART".</p> <p>This is probably Alfred Smart of Pittston, ME, listed in the 1856 business directory. This is the only recorded edge tool with this mark. It was donated to the Davistown Museum by Chris of Belfast, Maine. For more information see the Registry of Maine Toolmakers (Brack 2008).</p> <p><a href="http://www.davistownmuseum.org/pics/51606t1.jpg">http://www.davistownmuseum.org/pics/51606t1.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			
<b>91501T1</b>	<b>Framing chisel</b>	DTM	MH
<p>Forged iron and natural with wood handle, 15 3/4" long including 4" long handle, signed "C. LOVEJOY" "CHESTERVILLE".</p> <p>DATM (Nelson 1999, 495) lists Leonard R. Lovejoy of Chesterville, ME as an ax-maker, 1869-1878. Possibly this is a relative? Clearly hand-forged, this is an excellent example of a small production forge banging out a natural steel edge tool. If a steel-iron interface exists, it is not visible. The most likely manufacturing strategy for this tool is that its cutting edge was subject to additional mechanical (hammering) and heat (tempering) treatment during forge welding making a functional edge tool out of a raw steel bloom.</p> <p><a href="http://www.davistownmuseum.org/pics/91501t1_p4.jpg">http://www.davistownmuseum.org/pics/91501t1_p4.jpg</a>  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>			

**32103T1 Froe**

DTM MH

Forged iron and steel, wood handle, 14" long, 11" long cutting edge, 12 1/2" long handle, signed "W. M. WINN CLINTON WARRANTED".

No clear iron-steel interface is visible on this tool, but imperfections on the cutting edge, especially on the back (not visible) suggest the possibility of direct process forge-welding of a carburized bloom of malleable iron, or alternatively, the forge-welding of a piece of puddled, blister, or German steel. This is a newly discovered Maine edge toolmaker, courtesy of Rick Floyd. A large H marked next to the maker's stamp is probably the owner's mark.

[http://www.davistownmuseum.org/pics/032103t1\\_p1.jpg](http://www.davistownmuseum.org/pics/032103t1_p1.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**TBC1002 Gouge**

DTM MH

Forged iron and steel, wood, 1 3/4" diameter, 13 3/4" long, with 6" handle and hand forged ferrule, signed "HIGGINS & LIBBY". This company is listed in DATM (Nelson 1999) as a Portland ax and chisel maker, 1856, one of the most prolific of Maine's edge toolmakers.

[http://www.davistownmuseum.org/pics/TBC1002\\_p3.jpg](http://www.davistownmuseum.org/pics/TBC1002_p3.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**31501T5 Gouge**

DTM MH

Forged iron and steel, 9 1/16" long, 1 1/8" wide blade, signed "VAUGHN" "TO\_\_ & Co" " WARRANTED WARRANTED". This is another example of the work of Vaughan & Pardoe of Union, ME.

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

**61204T17 Gouge**

DTM MH

Forged iron and weld steel, wood, 22" long including 11" handle, 2 9/16" wide, signed "HIGGINS & LIBBY" "PORTLAND". This gouge has a clearly hand-forged iron socket, but evidence of a welded iron-steel interface has been obliterated by forge welding of the highest quality. It is a finely wrought slick-like gouge from the golden age of Maine's shipbuilding era made by a major Maine edge toolmaker. It is of the quality of cast steel, but not marked as such. This forged steel edge tool shows how good Maine blacksmiths' were at making steel edge tools during the florescence of Maine's shipbuilding era; the quality of this edge tool suggests Higgins & Libby had perfected the art of piling and forging blister steel into shear steel, in the tradition of the German immigrants at Shotley Bridge and elsewhere in England, who perfected the art of re-forging blister steel in the very late 17th and early 18th century.

[http://www.davistownmuseum.org/pics/61204T17\\_p1.jpg](http://www.davistownmuseum.org/pics/61204T17_p1.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**111001T3 Gouge**

DTM MH

Forged iron and steel, wood, 14" long with 4 1/2" handle, 1 1/4" wide cutting edge, signed "Vaughan Pardoe & Co Warranted Union".

The working dates for this company are 1844-1868.

[http://www.davistownmuseum.org/pics/111001t3\\_p2.jpg](http://www.davistownmuseum.org/pics/111001t3_p2.jpg)  
<http://www.davistownmuseum.org/bioVaughn.htm>

**61204T2 Gutter adz**

DTM MH

Forged iron and weld steel and wood, 10 3/4" long, 2 1/2" wide, 2 1/2" diameter adz, 16" wood handle, signed "VAUGHN & PARDOE UNION".

A welded steel-iron interface is clearly visible on this tool, which also shows extensive evidence of forge welding. The mark is partially obscured. Vaughn & Pardoe was a prolific Union, Maine, edge toolmaker working in the mid-19th century.

[http://www.davistownmuseum.org/pics/61204t2\\_p12.jpg](http://www.davistownmuseum.org/pics/61204t2_p12.jpg)  
<http://www.davistownmuseum.org/bioVaughn.htm>

**91914T12 Lipped peen adz**

LPC TT

Cast steel, 10" long, 4 3/4" wide, 2 1/4" tall, signed "W.A. WINSLOW". William A. Winslow worked out of Bath, Maine, circa 1869 to 1880.

**31908T16 Mortising gouge**

DTM MH

Forged iron and steel, wooden handle, 17 5/8" long, 8" long blade, signed "VAUGHAN" " & PARDOE" "UNION" and "WARRANTED".

<http://www.davistownmuseum.org/pics/31908t16p1.jpg>  
<http://www.davistownmuseum.org/bioVaughn.htm>

**020807T1 Peen adz** Status Location  
DTM MH

Forged iron and steel, wooden handle, 10" long, 4 1/8" wide adz head, 2 1/4" long, 3/4" diameter beveled peen, 28" long handle, signed "J. F. AMES" and "PE\_\_RKING", probably an owner's mark.

J. F. Ames made edge tools in Richmond, Maine, c. 1855.

[http://www.davistownmuseum.org/pics/020807T1\\_p3.jpg](http://www.davistownmuseum.org/pics/020807T1_p3.jpg)  
<http://www.davistownmuseum.org/bio#publications/volume10.html>

**10606T1 Peen adz** DTM MH

Forged iron and steel, 9" long, 3 1/2" cutting edge, 3/4" diameter, signed "Thaxter Portlan\_", the last letter is illegible.

This run-of-the-mill peen adz is clearly by the same Portland, Maine, edge toolmaker as the hewing ax marked "Thaxter" in the Davistown Museum collection (ID # 91303T-20). As with many tools of this era, +/- 1850 - 70, the steel in the cutting edge of this adz is of a higher quality than the puddled steel body of this tool. This tool exhibits the mix of machine forming (drop-forging) and hand work (forge welding, as in the forge-welded peen) that characterizes many of the hand tools manufactured just prior to the era of factory-made tools.

[http://www.davistownmuseum.org/pics/10606t1\\_p2.jpg](http://www.davistownmuseum.org/pics/10606t1_p2.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**91315T1 Shipsmiths' slick** DTM MH

Forged steel, 14 1/8" long, 1 1/2" socket, 3 5/16" edge, signed "RICKER CHERRYFIELD".

**121112T1 Slick** LPC MH

Forged iron and steel, 15 1/4" long, 3 7/16" wide, 1 11/16" diameter socket, signed "T C Jackson Bath".

This slick has a clearly steeled cutting edge. Jackson was a Bath, ME, edge toolmaker working from 1832 into the 1860s.

**040904T1 Slick** DTM MH

Forged steel, 16 1/2" long, 6 7/8" long body with a 3 11/16" wide blade, signed "B. KELLEY & CO" "BELFAST" with owner's mark "HOMER N D G".

This tool appears to be all steel, with a higher quality cutting edge welded to the steel body. This slick is from the Spear Estate, Warren, Maine. It is an important and rare example of a prominent Belfast, Maine, edge toolmaker. It is used for cleaning up the sides of large mortises in construction and shipbuilding, and for leveling surfaces as on the deck of a ship. Slicks are particularly useful to shipwrights in areas that cannot be reached by an adz. They are often pushed by the shoulder, hence the swollen top of the wooden handle.

[http://www.davistownmuseum.org/pics/040904t1\\_p1.jpg](http://www.davistownmuseum.org/pics/040904t1_p1.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**42604T2 Socket chisel** DTM MH

Forged iron and welded steel, 8 1/4" long, 1 1/2" wide, signed "LIBBY & BOLTON".

Iron and steel with the welded iron steel interface clearly visible, this mundane edge tool is typical of those found in the workshops and boatyards of mid-19th century Maine, but has the signature of one of Maine's most important edge toolmakers. It was made in Portland, Maine, probably in the late 1850s.

[http://www.davistownmuseum.org/pics/42604t2\\_p5.jpg](http://www.davistownmuseum.org/pics/42604t2_p5.jpg)  
<http://www.davistownmuseum.org/publications/volume10.html>

**41801T7 Socket chisel** DTM MH

Forged iron and steel with wood handle, 12" long, 5" wood handle, signed "VAUGHAN & PARDOE UNION WARRANTED".

Working dates for this company are 1844-1868. This was a gift to The Davistown Museum from Rick Floyd of Newport, Maine.

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

**100108T1 Wheelwrights' shave** DTM MH

Forged malleable iron and natural steel (?), 13" long, 2 1/2" wide semicircular cutter, signed "J.J.MORRILL".

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

**Woodworking: Other Tools**

**33002T3 Bit brace** DTM MH

Forged iron and steel, brass washer, 11 1/16" long, 11/32" square socket with adjustable screw stop, signed "A. W. Streeter \_\_\_\_\_ Falls Mass PAT \_\_\_ 23, 1855 & March 31, 1857".

DATM (Nelson 1999) indicates Streeter worked in Shelburne Falls, MA, 1855 - 1871.

<http://www.davistownmuseum.org/pics/33002t3.jpg>

**102614T1 Cabinet screwdriver** DA TT  
(Pub)

Wood, cast steel, brass, 4 3/8" long, 1" wide, 5/8" thick, signed "CAST STEEL".

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Other Tools

	Status	Location
<p><b>41203T2F Cat's paw</b></p> <p>Forged steel, 10 1/2" long, signed "C. Drew CAT'S PAW - 277".  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>	DTM	MH
<p><b>102100T12 Gimlet</b></p> <p>Forged steel, 5 3/4" long, unsigned.                      This is a generic style steel gimlet common in the 19th century.</p>	DTM	MH
<p><b>81212LTC12 Hand scraper</b></p> <p>Cast bronze, steel edge, 11 1/2" long, 3" wide, 2 1/2" tall, 2 3/4" wide edge, unsigned.</p>	NOM	TT (Pub)
<p><b>121112T6 Hand vise</b></p> <p>Drop-forged iron or steel, 5 1/2" long, 1 1/4" wide jaw, signed "W&amp;C Wynn".                      DATM (Nelson 1999, 884) lists this toolmaker with no known location or dates of operation.</p>	DTM	TT
<p><b>41203T2 Lot of hand tools (21)</b></p> <p>Forged iron and steel, signed with C. Drew signatures on each tool.                      This collection of mid-20th century C. Drew tools indicates that Drew branched out to produce a wide variety of common hand tools ranging from screwdrivers and wrenches to hand chisels. They are more well known for their caulking irons, cat's paws, trunk chisels, and cold chisels. The two chisels, screwdriver, and wrench are the only Drew produced tools of this common type ever seen at Liberty Tool Co. Their production, unlike that of cat's paws, must have been extremely limited. These tools came from a Kingston, MA, workshop just down the street from the old Drew factory location and were all stored together in one metal box. A number of Goldblatt tools and one Osborne brick chuck were also in this hoard.  <a href="http://www.davistownmuseum.org/pics/41203t2_p2.jpg">http://www.davistownmuseum.org/pics/41203t2_p2.jpg</a>  <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>	DTM	MH
<p><b>81200T5 Nail puller</b></p> <p>Drop-forged iron, wood, and brass, 16 3/4" long, unsigned, c. 1840 - 1860.</p>	DTM	MH
<p><b>121805T7 Planemakers' float</b></p> <p>Cast steel, brass ferrule, and wood, 12 1/2" long including 3 1/2" long handle, 2" wide, signed "H" inscribed on handle in 18th century script.                      This is a late 18th century planemakers' float. It is used to file out the inside of the plane to make it flat where the blade will be inserted.  <a href="http://www.davistownmuseum.org/pics/121805t7-web1.jpg">http://www.davistownmuseum.org/pics/121805t7-web1.jpg</a>  <a href="http://www.davistownmuseum.org/pics/121805t7-web2.jpg">http://www.davistownmuseum.org/pics/121805t7-web2.jpg</a></p>	DTM	MH
<p><b>111412T17 Saw set</b></p> <p>Drop-forged iron, brass ferrule, wooden handle, 6 1/2" long, signed "A. STILLMAN'S" "PATENT. 1848".                      Patent 5,810 belonged to Abel Stillman of Poland, NY: <a href="http://www.datamp.org/patents/advance.php?pn=5810&amp;id=12180&amp;set=8">http://www.datamp.org/patents/advance.php?pn=5810&amp;id=12180&amp;set=8</a>.</p>	DTM	MH
<p><b>30202T2 Saw set</b></p> <p>Drop-forged steel with hardened steel jaws, 7 1/2" long, signed "Bemis &amp; Call".                      Bemis &amp; Call was opened by Stephen C. Bemis and Amos Call in 1844 in Springfield, MA. They are known for their wide variety of wrenches. They also made calipers, race knives, steelyards, and other tools (Nelson 1999, 78). This saw set has no patent date.  <a href="http://www.davistownmuseum.org/pics/30202t2.jpg">http://www.davistownmuseum.org/pics/30202t2.jpg</a></p>	DTM	MH
<p><b>72801T18 Saw set</b></p> <p>Drop-forged steel, 5" long, signed "P _ Hopkins".                      No P. Hopkins is listed in DATM (Nelson 1999); an unknown 19th century New England toolmaker.</p>	DTM	MH
<p><b>31808SLP8 Sliding T bevel</b></p> <p>Steel, brass, and rosewood, 10 1/4" long blade, 6" long handle, signed "J G NICHOLAS".                      DATM (Nelson 1999) lists Joseph Nicholas as making saws and squares in Philadelphia from approximately 1837 to 1857.  <a href="http://www.davistownmuseum.org/pics/31808slp8-2.jpg">http://www.davistownmuseum.org/pics/31808slp8-2.jpg</a>  <a href="http://www.davistownmuseum.org/pics/31808slp8-1.jpg">http://www.davistownmuseum.org/pics/31808slp8-1.jpg</a></p>	DTM	TT

**22211T5 Spirit level**

DTM TT

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.

DATM (Nelson 1999) lists Lambert, Milliken, & Stackpole as working in Boston from 1859 to 1899. Part of the Robert Sullivan Collection donation.

**62914T7 Square**

LPC MH

Steel, 12" x 8", signed "WARRANTED STEEL ESSEX".

**Woodworking: Planes**

**1302T5 Beading plane**

DTM MH

Wood (beech), steel blade, 9 1/2" long, 1/2" wide blade, signed "P M Peckham Fall River".

This is an uncommon mark of a whaling era planemaker who worked from 1850 - 1860.

**42602T3 Beading plane**

DTM TT

Wood (beech), steel blade, boxwood spline, 9 3/8" long, 3/8" wide bead, signed "Cox & Luckman" on plane, blade has an obscured mark "\_\_\_\_TH".

This is a typical imported English-made plane of the 19th century.

**32802T11 Bench plane**

DTM TT

Wood (beech), cast steel blade, 7 3/4" long, 2 9/16" wide, 2" wide cast steel blade, signed on blade "ROBTSORBY", plane unmarked.

This plane is typical of the run of the mill smoothing planes of the mid-19th century; it might be found in any carpenters' tool kit. Robert Sorby is a well known Sheffield manufacturer of plane blades.

[http://www.davistownmuseum.org/pics/32802t11\\_p1.jpg](http://www.davistownmuseum.org/pics/32802t11_p1.jpg)

[http://www.davistownmuseum.org/pics/32802t11\\_p2.jpg](http://www.davistownmuseum.org/pics/32802t11_p2.jpg)

**040103T1 Block plane**

LPC MH

Cast iron and steel, 5 1/4" wide, 1 3/8" wide blade, signed on blade "Birmingham Conn Plane Mfg. Co.".

The Birmingham Plane Co. made planes from 1855 - 1891. The unique designs of their planes made them among the most distinctive and sought after of the 19th century patented American planemakers. The rapid growth of American steel plane manufacturers after 1850 signaled the (coming) domination of this market by American planemakers after the Civil War.

[http://www.davistownmuseum.org/pics/040103t1\\_p1.jpg](http://www.davistownmuseum.org/pics/040103t1_p1.jpg)

[http://www.davistownmuseum.org/pics/040103t1\\_p2.jpg](http://www.davistownmuseum.org/pics/040103t1_p2.jpg)

**31112T1 Block plane blade**

DTM TT-D28

Forged steel, 6 1/2" long, 2 1/4" wide, signed "SHAW&Co".

DATM (Nelson 1999) lists this signature as a foreign maker of plane irons. Courtesy of Liberty Tool Co.

**092409T2 Carriage-makers' molding plane**

DTM MH-O

Wood (beech), steel blade, whale bone bottom, 4" long, 3 3/4" tall, blade is 7 1/4" long and 3/8" wide, unsigned.

It is from a Middlesex county, MA, carriage shop.

<http://www.davistownmuseum.org/pics/092409T2web1.jpg>

<http://www.davistownmuseum.org/pics/092409T2web2.jpg>

**092409T1 Carriage-makers' router plane**

DTM MH

Wood (beech), iron and steel blade, steel bottom, 6 1/2" long, 5 3/4" tall, 1 5/8" wide blade, unsigned.

From a Middlesex county, MA, carriage shop.

<http://www.davistownmuseum.org/pics/092409T1web1.jpg>

<http://www.davistownmuseum.org/pics/092409T1web5.jpg>

**91914T1 Coffin plane**

DTM MH

Wood (beech), steel, 7 1/2" long, 2 1/2" wide, 2" edge, signed "L.S. SOULE WALDOBORO".

**913108T46 Compass plane**

DTM MH

Wood (beech), cast steel blade, 7 3/8" long, 1 3/6" wide blade, signed "J R TOLMAN HAN MASS" on the wood and "MOULSON BOTHERS" "WARRANTED" "CAST STEEL" and a trademark on the blade.

Joseph Robinson Tolman (b. 1787, d. 1864) started making planes in S. Scituate, MA, in the 1820s and 30s. He was in Boston in 1841 and Hanover, MA, by 1849 (Nelson 1999, 791). The plane blade is English.

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Planes

	Status	Location
<p><b>101801T3 Complex molding plane</b></p> <p>Wood (beech), cast steel blade, 9 3/4" long, signed "J. T. Jones Philadelphia" with owner signature "AFW". Pollak (2001) lists J. T. Jones as working in Philadelphia between 1831 and 1846.  <a href="http://www.davistownmuseum.org/publications/volume10.html">http://www.davistownmuseum.org/publications/volume10.html</a></p>	DTM	MH
<p><b>32313LTC9 Complex molding plane</b></p> <p>Wood (beech), cast steel, 9 1/2" long, 3 1/8" wide, 3 1/4" tall, signed "H.M. Allen" "JOHN ***TABLE NEW BEDFORD" "B C".</p>	DA	TT (Pub)
<p><b>32313T2 Complex molding plane</b></p> <p>Wood (beech), cast steel, 16" long, 4 5/8" wide, 7" tall, signed "W. KING" "C.C. GRIFFITH" "F.C.S.". This badly damaged plane is a bevel and lying ogee opposite bevel and lying ogee molding plane (Whelan 1993).</p>	DA	TT (Pub)
<p><b>82312LTC1 Core box plane</b></p> <p>Brass, wood handles (rosewood), steel cutter, 9" long, 5" tall, 2 3/4" wide, 3/4" cutting edge, unsigned.</p>	DA	TT (Pub)
<p><b>12900T3 Dado plane</b></p> <p>Wood (beech), steel blade, 9 1/2" long, 1/2" skewed blade, signed "Auburn Tool Co Albany NY" and by owner "J D McLellan". The Auburn Tool Co. utilized convicts from the NY State Prison to mass produce planes, c. 1864 - 1869.  <a href="http://www.davistownmuseum.org/bioAuburn.html">http://www.davistownmuseum.org/bioAuburn.html</a></p>	DTM	MH
<p><b>7917T1 Dado plane</b></p> <p>Wood (beech), steel, brass, 9 3/8" long, 3 1/2" tall, 13/16" wide, signed "JOEL FENN &amp; Co WALLINGFORD CT". Joel Fenn was working as a planemaker for Sawheag Works circa 1850 and was a partner in Gladwin &amp; Fenn circa 1850-1855.</p>	DA	TT (Pub)
<p><b>101115T1 Fenced plough plane</b></p> <p>Wood (beech), steel, 10 1/2" long, 11" wide, 5 3/4" tall, signed "AUBURN TOOL CO" (star) "AUBURN, NY". Donated by Adele Hilzinger-Uline in memory of her grandfather Charles (Carl) Hilzinger.</p>	LPC	MH
<p><b>913108T4 Float</b></p> <p>Steel, wood (beech), and brass, 3 1/4" long blade, 3 5/8" long handle, signed "HWINSUGGLES". The first four characters of the signature are obscured and appear like "HWIN". This float is used by a planemaker for smoothing the throat to hold the blade.</p>	DTM	MH
<p><b>6912LTC1 Floor plane</b></p> <p>Cast bronze, forged steel blade, 10 3/4" long, 2" wide blade, signed "N DEROIN" on the plane. DeRoin is not listed in DATM (Nelson 1999), possibly it is an owner's mark. Courtesy of Liberty Tool Co.</p>	DA	TT (Pub)
<p><b>6912LTC2 Floor plane</b></p> <p>Cast bronze, forged steel blade, 10" long, 2 3/4" wide blade, unsigned. Courtesy of Liberty Tool Co.</p>	DA	TT (Pub)
<p><b>72002T9 Gutter plane</b></p> <p>Wood (beech), steel blade, 16" long, 2" wide, signed "A CUMINGS BOSTON" with owner signature "F. A. Smith", blade marked "Wights Fre___ Warranted". DATM (Nelson 1999) lists Allen Cumings as working in Boston from 1848 - 1854. He was one of Boston's more prolific planemakers.</p>	DTM	MH
<p><b>072112T1 Hollowing plane</b></p> <p>Wood, steel, 9 1/2" long, 1 3/4" wide, 3 5/16" high, signed "J.F. BENNETT, WILLIS".</p>	DTM	MH
<p><b>111106T1 Holly plane</b></p> <p>Malleable iron, cast steel, and wood (beech), 9 1/4" long, 2 1/8" wide blade, signed on blade "Moulson Bros.". The plane is unmarked. Nonetheless, it is a Holly's patent plane c. 1852. See Roger Smith (1960, 39) "Patented transitional &amp; metallic planes in America 1827 - 1927" Vol.1.  <a href="http://www.davistownmuseum.org/pics/111106t1.jpg">http://www.davistownmuseum.org/pics/111106t1.jpg</a></p>	DTM	MH

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Planes

Status Location

### 112115LTC1 **Infill smoothing plane**

DA TT  
(Pub)

Cast iron, rosewood, steel, 2 7/8" wide, 13 1/2" long, 2 1/2" edge, signed PATENT AUG. 31-58.  
The patent on the lever cap belongs to Leonard Bailey.

### 101801T4 **Molding plane**

DTM MH

Wood (beech), cast steel blade, boxwood spline, 9 3/8" long, signed "Union Factory H. Chapin".  
Pollak lists the H. Chapin, Union Factory dates as 1828 - 1860. It was one of the more prolific early factory period manufacturers.

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

### 63001T11 **Plane blade**

DTM MH

Cast steel, 2 1/2" wide, signed "Baldwin Tool Co made from Butchers CAST STEEL WARRANTED".  
DATM (Nelson 1999) indicates Baldwin Tool began business in Middletown, CT, in 1841 (to 1857). This mark on their early plane irons indicates they were still importing quality English cast steel blades in the period before the Civil War. This is another prolific early factory period manufacturer.

### 51606T13 **Plane blade**

DTM MH

Cast steel, 8 1/8" long, 2 7/16" wide, signed "T Tillotson Refined Cast Steel" and an elaborate cartouche typical of English edge toolmakers.

This is typical imported English Sheffield steel plane blade by a prominent English maker.

### TCD1007 **Plow plane**

DTM MH

Wood (beech), steel blade, 8" long, 9 1/4" fence, signed "J. Kellogg", c. 1845.  
It was made by J. Kellogg (1835-1867), Amherst, MA. It is a typical example of a factory made plow plane that might have been found in the working carpenters' tool box in Liberty or Montville. This manufacturer's signature is mentioned in Pollak as frequently found (ff - B mark) (2001, 213); Kellogg was one of the most prolific of all planemakers, probably surpassed only by Greenfield Tool Co. in Massachusetts' output of planes.

[http://www.davistownmuseum.org/pics/tcd1007\\_p1.jpg](http://www.davistownmuseum.org/pics/tcd1007_p1.jpg)

[http://www.davistownmuseum.org/pics/tcd1007\\_p2.jpg](http://www.davistownmuseum.org/pics/tcd1007_p2.jpg)

### 32313LTC3 **Plow plane**

DA TT  
(Pub)

Wood (beech, boxwood), steel, brass, 11" x 9 1/2" x 7", signed "A.B. SEMPLE & B\_\_\_" cut off and "LOUVILLE, K.Y.". A.B. Semple & Brothers were dealers who marked tools from 1848 to 1859.

### 32313LTC2 **Plow plane**

DA TT  
(Pub)

Wood (beech, boxwood), steel, 8 1/4" long, 10 1/2" wide, 6" tall, signed "A.B. SEMPLE & BRo LOUISVILLE. K.Y.".

### 72002T10 **Rabbet plane**

DTM MH

Wood (beech), steel blade, 19 1/2" long, 7/8" wide, signed "T Swett" and "Wm True", both owner's signatures.  
This is a nice example of a mid-19th century boatyard tool used for?

### 42405T1 **Razee plane**

DTM MH

Lignum vitae, cast steel blade, 15 7/8" long, 2 1/8" wide, signed "Buck Bros Warranted Cast Steel" on blade.  
The handle has been replaced. It is a typical run of the mill Maine owner-made boat shop plane of the mid-19th century.

### 6405T1 **Razee plane**

DTM MH

Mahogany, steel blade, 17 3/4" long, 2 3/16" wide, 5" high, signed "MOULSON BROTHERS WARRANTED CAST STEEL" on blade.

This plane was found in the Bath, Maine, area. It is a typical owner-made razee plane of the mid-19th century.

[http://www.davistownmuseum.org/pics/6405T1\\_p1.jpg](http://www.davistownmuseum.org/pics/6405T1_p1.jpg)

### 101801T5 **Remaining planes in Abiel Walker's toolkit**

DTM MH

Wood (beech), cast steel blades, signed "AFW" on some.  
Two more Union Factory planes, a quarter round molding plane signed with "AFW", a small sash plane signed with "AFW", and a number of undistinguished later molding planes.

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

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Planes

Status Location

### 04505T8 Shipwrights' plane bodies (2)

DTM MH

Tropical wood, unsigned.

These plane bodies are accompanied by four pieces of wood (see ID 21805T24).

[http://www.davistownmuseum.org/pics/041505t8\\_p2.jpg](http://www.davistownmuseum.org/pics/041505t8_p2.jpg)

### 42405T2 Smooth plane

DTM MH

Lignum vitae, cast steel blade, 9 3/4" long, 2 1/8" wide at throat, 5" high, 1 3/4" wide blade, signed "MOULSON BROTHERS WARRANTED CAST STEEL" on blade.

This is a typical owner-made boat shop plane of the mid-19th century but with an imported English blade.

<http://www.davistownmuseum.org/pics/42405T2.jpg>

### 110404T1 Smooth plane

LPC MH

Lignum vitae, cast steel blade, 9" long, 2 1/2" wide, 2 1/8" high body, 1 7/8" wide blade, signed "E.R.KING" "MAKER" "E. BOSTON" on nose, "CHARLES BUCK" "CAST STEEL" "WARRANTED" on blade, "MOULSON BROTHERS" "M B" "WARRANTED" "STEEL" on curling iron.

This tool was found in a Brookline, MA, private collection in late October of 2004. It also has a faint mark on the other end of the plane: "G. L. D." that might be an owner's mark. It appears to be a plane made during the heyday of the east Boston shipyards. Buck Brothers began making plane blades in Worcester, MA, as early as 1856. They moved to Millbury in 1864. The Buck blade suggests the plane was made after 1856, but probably before the Civil War as the 1850s represent the high point of production of the east Boston shipyards. No E.R. King hallmark is listed in either Pollak's 4th edition or DATM (Nelson 1999). The Davistown Museum solicits further information about this East Boston maker.

[http://www.davistownmuseum.org/pics/110404t1\\_p6.jpg](http://www.davistownmuseum.org/pics/110404t1_p6.jpg)

[http://www.davistownmuseum.org/pics/110404t1\\_p1.jpg](http://www.davistownmuseum.org/pics/110404t1_p1.jpg)

### 61204T7 Spar plane

DTM MH

Wood (beech), cast steel blade, 9 3/8" long, 1 15/16" wide, 1 3/8" wide convex blade, signed "Gladwin & Appleton. Boston" on the plane; "Moulson Brothers Warrented Cast Steel" on the blade with cartouche.

This plane is similar in style to Tolman's spar planes and has the usual imported English cast steel blade.

<http://www.davistownmuseum.org/pics/61204T7.jpg>

### 91303T5 Spar plane

DTM MH

Wood (beech), cast steel blade, 9 5/8" long, 1 7/8" wide, 1 1/2" wide blade, signed "A Cummings Boston" and "William Ash" on the blade.

This nearly unused spar plane has a common Boston makers sign. Allen Cummings is listed as working in Boston from 1848 to 1854 (Nelson 1999, 202). William Ash was a Sheffield, England maker of plane blades.

### 42904T7 Spar plane

DTM MH

Wood (beech), cast steel blade, 9 1/2" long, 1 1/2" wide, signed "J. R. TOLMAN" "HANOVER" "MASS" on nose with "W.H. F" owner's mark and "WILLIAM ASH & CO" "WARRANTED" "CAST STEEL" on the blade.

Tolman worked from 1830 to 1860 and was known to be very productive in Hanover, MA in the 1840s.

### TCD1001 Spar plane

DTM MH

Wood (beech), 10 5/8" long with a 1 1/2" "Graves & Son" blade, signed "G. Walker", c. 1840?.

DATM (Nelson 1999, 820) lists Gustavus Walker, a hardware dealer in Concord, NH, from 1855-83, who usually marked planes "GUS WALKER". It is unknown if this mark was also used by him. This plane probably had an American maker. It utilizes an imported English blade.

### 9514T16 Toted match plane

DA TT  
(Pub)

Beech wood, steel, 11 1/2" long, 1 1/2" wide, 5 1/2" tall, signed "E.C. RING RINGVILLE, MS".

Ethan C. Ring made planes in Worthington, Massachusetts. Ringville was a village in Worthington.

### 72312LTC4 Transitional wood bottom jointer plane

DA TT  
(Pub)

Wood (beech) body and handles, cast iron fittings, 22" long, 3" wide, 2 3/8" wide cutting edge, signed "THE BIRMINGHAM PLANE MFG. CO. CONN."

Courtesy of Liberty Tool Company.

### 91914T2 Wood molding plane

DTM MH

Wood (beech and boxwood), steel, 9 3/4" long, 3 1/8" tall, 3 1/4" wide, signed "R JUSON & CO HAMILTON".

R. Juson & Company was a Canadian dealer operating out of Hamilton, Ontario circa 1851-1857.

## Woodworking: Planes Made in Maine

**111001T12 Block plane**

DTM UNK

Lignum vitae, 9" long, no blade or wedge, signed "J. P. Storer Brunswick".

Storer made planes in Brunswick, Maine, 1854 - 1873 (see the bio link to the Registry of Maine Toolmakers). He frequently used exotic tropical woods for his planes.

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

**32708T58 Curved beading plane**

DTM MH

Wood (beech), cast steel blade, 9 1/2" long, 2 3/8" wide, 1 1/2" wide blade, signed "L. S. SOULE" "WALDOBORO" "ME." and on the blades "Wm ASH & CO." in an arc with "WARRANTED" "CAST STEEL" below it.

Lewis S. Soule worked in Waldoboro from 1849 - 1854.

<http://www.davistownmuseum.org/pics/32708t58-1.jpg>

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

**81101T1 Double sash plane**

BDTM MH

Wood (beech), cast steel blades, 9 1/2" long, 5/8" wide blades, signed on plane "B Morrill Bangor" and blades signed "James Cam".

The Registry of Maine Toolmakers (2008) lists Morrill as working in Bangor as early as 1832. (See the Dec. 4 minutes of the Bangor Mechanic's Association.) Morrill also served in the state legislature. Morrill's planes are considered rare -- this is the only known specimen of a Morrill double sash and its crisp signature and mint condition make it an important artifact from the boomtown years of Bangor. This plane also illustrates the reliance on English cast steel as late as the 1830s.

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

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

**032203T11 Molding plane**

DTM MH

Wood (beech), cast steel blade, 9 1/2" long, 1 5/7" wide concave blade, signed "B.MORRILL BANGOR".

Though Morrill manufactured hand planes between 1832 and 1851 in Bangor, his molding planes wouldn't have been unexpected in a c. 1880 carpenters' tool box in Portland, Maine, the provenance of this plane.

<http://www.davistownmuseum.org/pics/032203t11.jpg>

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

**061905T1 Plane**

DTM MH

Wood (beech), cast steel blade, 7 3/4" long, 2 1/4" wide at one end tapering to 1 1/2" wide, signed "D. FULLER" and "B" on the end. "A. WALDRON" "B.G. ROBINSON" on the other end. The blade is marked "Hallorhan" "SHEFFIELD" and "CAST STEEL".

D. Fuller is a Maine planemaker from Gardiner. The other marks are from owners. The blade is English.

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

**6405T2 Rabbet plane**

DTM MH

Wood (beech), steel blade, 14 1/4" long, 7/8" wide, 5 1/2" high, 1" wide double blades, signed "A. WALDRON" and on label "D. Fuller, Gardiner".

David Fuller, b. 1795, made planes beginning in 1829 and was particularly active in West Gardiner, ME, in the mid-1850s. A.

Waldron is an owner's mark and is stamped twice on the top, twice on one end, and once on the other end. This is a typical boat shop rabbet plane by a prolific Maine maker.

<http://www.davistownmuseum.org/pics/6405T2.jpg>

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

**080704T1 Raze plane**

LSS MHC-D

Wood (beech), cast steel blade, 22 1/2" long, 2 1/2" wide, 6" high, signed "C A Spear" on plane with a Masonic symbol, "Moulson Brothers Warranted Cast Steel" on blade.

C. A. Spear was a local planemaker, probably in Warren, ME. This is a generic general purpose ships' joiner fore plane typical of 19th century Maine shipyards. Note the imported English blade. It is on loan to the museum from James Hill.

[http://www.davistownmuseum.org/pics/080704t1\\_p1.jpg](http://www.davistownmuseum.org/pics/080704t1_p1.jpg)

[http://www.davistownmuseum.org/pics/080704t1\\_p2.jpg](http://www.davistownmuseum.org/pics/080704t1_p2.jpg)

**6405T4 Rounding plane**

DTM MH

Wood (beech), steel blades, 9" long, 1 1/4" wide with two 1 1/4" wide convex blades, signed "I. Spear".

Possibly, this plane was made by a member of the Spear family of Thomaston and Warren, Maine. Pollak (2001) lists an M. Spear center bead, c. 1840 - 1850 with a similar wedge profile.

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

**TBW1005 Spar plane**

DTM MH

Wood (beech), 9 7/16" long, 2 1/4" wide, signed "L.S. SOULE WALDOBORO ME." also signed "J.R.B. BULL" in much smaller print. It has no blade and a replaced wedge. Pollack (2001) lists L. S. Soule, born 1813, as working 1849-54 in Waldoboro, ME. We are not sure what the correct name of this plane is. This convex plane also has a chamfer on one side, but it appears to have been used for making spars or rails.

<http://www.davistownmuseum.org/pics/tbw1005.jpg>

<http://www.davistownmuseum.org/pics/tbw1005p2.jpg>

**070705T1 Tongue and groove plane**

DTM TB

Wood (beech), cast steel blade, 15 3/4" long, 3 1/2" wide, 7" high, 2 1/4" wide blade, signed "LSHOREY"; "WILLIAM ASH & Co" "WARRANTED" and "CAST STEEL" on blade.

This plane was found in a Bath, Maine area Kennebec River boatyard (Leon Robbins Collection). The wedge has been replaced. L. Shorey is not listed in DATM (Nelson 1999).

**Woodworking: Saws**

**82215LTC2 Back saw**

DA TT  
(Pub)

Cast steel, wood, brass, 17 7/8" long, 12 1/2" edge, 6" tall, 9 TPI, signed WILLIAM RILEY CAST STEEL.

**82215LTC1 Back saw**

DA TT  
(Pub)

Cast steel, wood, brass, 14 5/8" long, 10" edge, 4 1/8" tall, 15 TPI, signed 4 W.B. SEARS & Co MIDDLETOWN N.Y. WARRANTED CAST STEEL.

**913108T34A Backsaw**

DTM MH

Cast steel, solid brass ferrule, and wood, 10 1/8" long, signed "BEARDSHAW" "& SON" "CAST STEEL".

This is a company that was located in Sheffield, England.

**4105T2 Backsaw**

DTM MH

Shear steel, wood, and brass, 17" long, 12" blade, signed "BARBER & GENN" and "German steel".

A nice example of an English backsaw; the solid brass nut suggests it is mid-19th century. German ironmongers who immigrated to England (Bertram, etc.) perfected the art of making shear steel from bundled blister steel in the late 17th century. All saws and other tools marked German steel in English are made of English shear steel. True German steel is made from firing or decarburizing cast iron, also known as the "continental" method of making steel (Barraclough 1984), and is never marked "German" steel.

<http://www.davistownmuseum.org/pics/4105t2.jpg>

**913108T45A Backsaw**

DTM MH

Malleable iron frame, steel cutting blade, iron ferrule, and rosewood handle, 13 1/2" long, 5" long handle, signed "CH WILLARD" on top of "D (T) BATES".

It is possible these are owner's marks on the saw. DATM (Nelson 1999, 862) lists a C. H. Willard 2nd of Townsend, VT, 1884-1886 as a rake-maker.

**10700T1 Backsaw**

DTM MH

Spring steel, brass, and wood, 15 3/4" long with 12" blade, signed "NOOLE STANIFORTH & CO. SHEFFIELD" and "DOUBLE REFINED SPRING WARRANTED" with the brass signed "H. DISSTON & SONS PHILADA".

English-made spring steel has been processed by Henry Disston & Co. into a saw. The marks on this saw are a puzzle because H. Disston & Sons is a later signature and by this time Disston was producing his own cast and spring steel.

[http://www.davistownmuseum.org/pics/10700t1\\_p2.jpg](http://www.davistownmuseum.org/pics/10700t1_p2.jpg)

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

**71908T2 Hand saw**

DA UNK

Steel, brass, and wood, 10.5" long, 5" wide, signed "Henry Disston & Sons" in a curve, "Cast steel Philad'a Warranted", and faintly "A.J. Wilkinson & Co.".

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

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

**72801T15 Hand saw**

DTM MH

Cast steel and brass, 23 5/8" long, 19 5/8" 8 point (to the inch) blade, signed "F Dowst Boston Warrented Cast Steel".

No Dowst is listed in DATM (Nelson 1999). Was he a Boston hardware dealer who imported English saws and put his own mark on them? The brass medallion is an eagle, marked "Warranted Superior". Is this an unmarked Henry Disston saw?

## Davistown Museum Inventory of Tools - Maritime IV

Woodworking: Saws

		Status	Location
TJD1003	<b>Keyhole saw</b>	DTM	MH
Saw steel and wood, 10 1/2" long, signed "HARVEY W. PEACE BROOKLYN NY" on the saw brass with an arm and a hammer insignia. DATM (Nelson 1999) lists Peace as being a saw and ice saw-maker c. 1870. Saws with his mark resurface frequently.			
121112T5	<b>Keyhole saw</b>	DTM	TT
Cast steel, brass, wood, 18 1/2" long, 14 1/2" long blade, signed "Wm McNiece Philad" "Cast steel". This saw was probably made pre-1865 given the solid brass attachment nuts and the "cast steel" mark. DATM (Nelson 1999, 530) lists McNiece as working from 1859 to 1882.			
81713T17	<b>Keyhole saw</b>	DTM	TT
Steel, wood, brass, 14" long, 7 1/2" blade, signed "W. CRESSON PHILADA SPRING STEEL". William Cresson worked from 1850 to 1862.			
TCW3000	<b>Pad saw</b>	DTM	MH
Steel, brass, and wood, 9 1/4" long including the handle, unsigned. Is the delicate blade on this pad saw blacksmith-made?			
TJD1007	<b>Pad saw</b>	DTM	MH
Reforged steel, 8 3/4" long, blade 3 1/2" long, unsigned, c. 1860. The blade is made from a recycled hack saw blade.			
71401T2	<b>Rip saw</b>	DTM	MH
Steel, wood, and brass, signed with the telltale eagle medallion of an early factory-made Henry Disston saw. <a href="http://www.davistownmuseum.org/bioDisston.htm">http://www.davistownmuseum.org/bioDisston.htm</a>			
81602T12	<b>Rip saw</b>	DTM	MH
Cast steel with applewood (?) handle and solid brasses, 31 5/8" long, 28" blade, signed "Chas Grass & Sons St. Phillips Works Sheffield Improved Patent Wonder Spring". The signature is repeated on the brass. The blade has a detailed fleur de lie underlined by TAY. The owner has signed it "F HEANEY". Perhaps it was brought to New England by an Irish immigrant. This is a classic example of an English-made and imported tool of the best quality.			
8912LTC1	<b>Tenon saw</b>	DA	TT (Pub)
Cast steel, brass, wood (beech), 15" long, 10" cutting edge, 2 1/4" tall blade, 10 teeth per inch, signed "R. GROVES & SONS SHEFFIELD" "Cast Steel ELASTIC STEEL TEMPER WARRANTED". This tenon or back saw has an unusual mark.			
2213T1	<b>Virginia pattern crosscut saw</b>	DTM	MH
Spring steel, cast iron, wood (rosewood), 51" long, 7" long handles, unsigned.			

## Wrenches

102916LTC1	<b>Adjustable nut wrench</b>	DA	TT (Pub)
Cast iron, rosewood, 10 1/2" long, 2 5/16" wide, 1 1/8" diameter, signed "*****T'S *NION-WRENCH PATD JAN.25.64; FOWLE & CO SOLE-AGENTS NEW YORK". This is an example of Hewet's 1864 patent wrench.			
102904T6	<b>Adjustable wrench</b>	DTM	MH
Drop-forged iron and steel, 13 1/4" long, 3 3/4" long and 1 1/8" wide jaws, signed "R". This mid-19th century factory-made wrench is one of the largest and most sculptural of the twisted handled wrenches first made by the Owsley Bros & Marble (Cope 1993, 172, 191), patented in 1883 by Frederick Seymour. Later these Acme style wrenches were made by George Marble himself, 1887-88; then Capitol Wrench Co. until 1893; and by Whitman & Barnes after 1893. All of these Acme style wrenches, however, were signed by their makers, have clearly serrated adjustable nuts, and are smaller in size than this monster. This wrench has only the one "R" mark and shows more hand-work than the typical factory-made Acme, a not uncommon tool. It suggests a smith-made prototype, which then would have been patented and manufactured in a more sophisticated version by George Marble in Chicago in 1883. Did he find a wrench like this back in New England and bring it west? <a href="http://www.davistownmuseum.org/pics/102904t6.jpg">http://www.davistownmuseum.org/pics/102904t6.jpg</a>			

## Davistown Museum Inventory of Tools - Maritime IV

		Wrenches	
		Status	Location
5915T2	<b>Box wrench</b>	DTM	TT
<p>Forged steel, 8" long, 1 1/8" wide, 1/2" and 3/4" nut holes, unsigned. This unusual square nut closed end box wrench is hand-forged from a single piece of metal.</p>			
22311T8	<b>Carriage spoke wrench</b>	DTM	TT
<p>Drop-forged malleable iron with a wooden handle, 5 1/2" long, signed "FORGED" "PORTLAND ME.". The trademark is obscured. Part of the Robert Sullivan Collection donation.</p>			
TCZ3000	<b>Monkey wrench</b>	DTM	MH
<p>Drop-forged iron, wood handle, 11 7/8" long, signed "L. COES PATEN__" (date obscured) and on the second side "____ BOSTON &amp; WORCESTER", probably c. 1835 - 1840. This wrench appears to be one of the earliest versions of the famous Coes monkey wrench; Loring Coes patented his first wrench on April 16, 1841. The wrench has characteristics of the late 18th century or early 19th century hand-forged wrenches in the Davistown Museum collection, particularly in the way the handle is manufactured. According to Herb Page &lt;mroldwrench@mchsi.com&gt; "During the period of 1848 to 1852 the firm of L &amp; A.G. Coes contracted with the firm of Ruggles, Nourse &amp; Mason on a 5 year term to market the entire production of wrenches produced by this fledgling firm. R.N.&amp; M. had branches in both Worcester &amp; Boston and the wrenches produced during this time period were stamped with 1) "L. Coes Patent", 2) "Ruggles, Nourse &amp; Mason" if space permitted, depending on size of wrench and 3) "Boston &amp; Worcester" indicating the sales outlets of the marketing firm. These wrenches were manufactured in Worcester at the firm of L &amp; A. G. Coes and the particular marking referred to is indicative of early production during the above mentioned dates. These are quite rare and have a distinctive circular insert in the working face of the lower jaw which is in line with the adjusting screw. Coes wrenches of this era are quite rare and desirable among antique wrench collectors." <a href="http://www.davistownmuseum.org/bioCoes.htm">http://www.davistownmuseum.org/bioCoes.htm</a></p>			
11301T12	<b>Monkey wrench</b>	BDTM	MH
<p>Drop-forged iron and wood, 4 5/8" long, signed "L Coes &amp; Co Pat Mar 29 1868". Loring and his brother Aury Gates Coes had been in the wool machine business until 1839. This is the highly sought-after smallest size of the many Coes wrenches. <a href="http://www.davistownmuseum.org/pics/11301t12.jpg">http://www.davistownmuseum.org/pics/11301t12.jpg</a> <a href="http://www.davistownmuseum.org/bioCoes.htm">http://www.davistownmuseum.org/bioCoes.htm</a></p>			
8912T9	<b>Offset open box wrench</b>	DTM	TT
<p>Cast iron, 9 7/8" long, 5/16" thick, 1" and 1 3/16" ends, signed "W.C. HASLAM". The mark probably belongs to an owner. This tool has obvious signs of file-finishing and forging.</p>			
52603T16	<b>Open ended wrench</b>	DTM	MH
<p>Drop-forged iron, 6 10/16" long, signed "YORK Co.".</p>			
41203T2H	<b>Open ended wrench</b>	DTM	MH
<p>Forged steel, 3/4", signed "&lt;-- 3/4 C. Drew &amp; Co. 3/4 --&gt;". <a href="http://www.davistownmuseum.org/bioDrew.htm">http://www.davistownmuseum.org/bioDrew.htm</a></p>			
TCZ1008	<b>Open ended wrench</b>	DTM	MH
<p>Forged iron, 7 1/2" long, 5/8" and 3/4" ends, signed "YORK M. Co", c. 1850 - 1860. This maker is not listed in DATM (Nelson 1999).</p>			
TCZ1006A	<b>Open ended wrenches (8)</b>	DTM	MH
<p>Drop-forged iron, signed "W. C. HASLAM" on two of them, 1840 - 1875. Eight open ended wrenches typical of mid-19th century mills and workshops. <a href="http://www.davistownmuseum.org/pics/tcz1006a.jpg">http://www.davistownmuseum.org/pics/tcz1006a.jpg</a></p>			
7602T6	<b>Screw adjusted locking nut wrench</b>	DTM	MH
<p>Cast steel, 6 1/2" long, 2 1/8" wide, 1/2" thick, unsigned.</p>			
8912T2	<b>S-curve open box wrench</b>	DTM	TT
<p>Cast steel, 8 3/4" long, 3/8" thick, 5/8" and 11/16" ends, signed "G. EDGCUMBE". No Edgcumbe is listed in DATM (Nelson 1999).</p>			
31811T8	<b>Tap wrench</b>	DTM	TT
<p>Forged malleable iron, 6" long, 5/16" wide, the center is flattened to 1" x 1" with a 1/4" square hole, unsigned. It was hand-forged.</p>			

## Davistown Museum Inventory of Tools - Maritime IV

Wrenches  
Status Location  
DTM TT

### 31811T32 Tap wrench

Forged malleable iron, 19 1/4" long, 1/2" square hole in the center, unsigned.  
This handmade tool could be a bolt header, but more likely was used as a wrench.

### 090109T7 Wrench

DTM MH

Drop-forged steel and wood, 11 3/4" long closed, 2 3/8" wide head, unsigned.

### 31501T2 Wrench

DTM MH

Drop-forged steel, 14" long, signed "E RIPLEY'S PATENT APRIL 7, 1857".

DATM (Nelson 1999) lists E. Ripley as working from prior to 1857 to 1865, location unknown. This may be the only known specimen of this wrench. Ripley's patent may be seen here:

<http://www.google.com/patents/US16997?printsec=drawing&dq=apr+7+1857+ripley&ei=JY50T46vF6OI0AWHu7n6Dw#v=onepage&q=apr%20%201857%20ripley&f=false>