

The Davistown Museum
 The Ancient Dominions of Maine: An Archaeology of Tools
 The Industrial Revolution (1865f.): Patented and Transitional Planes

Status Location

Patternmakers' Tools

72002T6 **Patternmakers' plane** DTM MH-I

Wood, 7" long, signed "J. Johnson", 20th century.

DATM (Nelson 1999, 429) lists J. Johnson of New York with a working date of 1870 made wooden planes. A exquisite example of an owner-made and signed special purpose patternmakers' plane. It does not have the blade. It was probably made about 1930; recently purchased from the Johnson family of Braintree, MA.

Woodworking: Planes

100400T1 **Bailey plane** LPC MHC-K

Cast iron and cast steel, 7 1/2" long, 2" wide, signed "BAILEY TOOL CO. Woonsocket RI DEFIANCE".

The Bailey Tool Company was in operation from 1872 to 1879 and was founded by Selden A. Bailey. Leonard Bailey of the Stanley Rule and Level Company joined Selden Bailey in Woonsocket in 1878, and introduced his own line of Defiance Metallic planes. This plane is illustrated in Patented Transitional and Metallic planes in America, Volume 2 (Smith 1960) and is identified as a number F block plane. For more information see volume 1, pages 61 - 68 and volume 2, page 32. Both volumes of Smith's important references are in the visitor tool examination area and available for hands-on reference.

<http://www.davistownmuseum.org/pics/100400-1.jpg>

52408T1 **Bench Plane** DTM MH

Tiger Maple, 13.5" x 2.5" x 6.5", unsigned.

Made by Leon Robbins of Crown Plane in Bath, Maine.

TJE1002 **Birmingham smooth plane** LPC MH

Cast iron, 6 3/8" long, 1 3/4" wide, blade 1 1/2" wide, unsigned.

Birmingham Plane Co. no.1 or no. 2 smooth planes are very rare. This specimen is a no. 1; the handle overlaps the bottom of the plane by 1/2". The penultimate classic cast iron plane. It is one of the most sculptural designs in late 19th c. patented planes.

http://www.davistownmuseum.org/pics/TJE1002_p1.jpg

51201T2 **Blind nailing plane** LPC MH

Steel, 2 1/4" long, takes a 1/4" wide blade, signed "STANLEY" on side, verso "PAT. AP'L 10-88".

The blade is missing. This plane is very rare; the smallest of all Stanley's planes.

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

62202T2 **Block plane** DTM MH

Beech with steel blade, 5 5/8" long, 2 1/8" wide, 1 3/8" wide blade, signed "Fred Craven, Sheffield" on nose and blade.

Although later than most of the planes in the Museum collection, this specimen from a New England tool chest is English-made, with the same signature on the nose and blade. The nose also has additional illegible information including a street address. Did Craven make both the blade and the plane? Craven is not listed in Goodman (1993) as a plane blade manufacturer.

<http://www.davistownmuseum.org/pics/62202t2.jpg>

31808SLP13 **Block plane** DTM TT

Cast iron with nickel-plating, 3 1/2" long, 1" wide cutting blade, signed "STANLEY".

<http://www.davistownmuseum.org/pics/31808slp13-3.jpg>

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

31808SLP31 **Bull nose rabbet plane** DTM TT

Cast iron, Japanned, nickel-plated thumbscrew, 4" long, 1" wide blade, signed "STANLEY" and "MADE IN USA".

<http://www.davistownmuseum.org/pics/31808slp31-3.jpg>

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

31808SLP22 **Carriage-makers' curved rabbet plane** DTM TT

Steel and maple, 6" long, 1" wide blade, unsigned.

Davistown Museum Inventory of Tools - Industrial Revolution - Planes

Woodworking: Planes

Status Location

31808PC3 **Circular plane**

DTM MH

Cast iron, Japanned, nickel-plated trim, 10 1/2" long, 1 3/4" wide blade, signed "STANLEY RULE & LEVEL CO." "PATENTED SEPT. 25, 1877".

Stanley model 113.

<http://www.davistownmuseum.org/pics/31808pc3-4.jpg>

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

31808SLP9 **Circular plane**

DTM TT

Cast iron with Japanned and nickel-plated trim, 10 1/4" long, 1 3/4" wide cutting blade, signed "STANLEY" and "NO 113".

The size dates this plane to after 1936. It has ornate knob decoration.

<http://www.davistownmuseum.org/pics/31808slp9-2.jpg>

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

52408T3 **Coffin plane**

DTM MH

Etched maple, 8.75" x 2.5" x 4.75", signed Buck Brothers (blade).

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

22211T29 **Combination plane**

DTM TT

Drop-forged tempered alloy steel, steel blades, brass nuts, with a wooden handle, 11" long, 1/8" straight cutter, signed "No 45" "STANLEY" "RULE & LEVEL CO" "NEW BRITAIN CONN." "USA" and "TRADE45MARK" on fence..

Part of the Robert Sullivan Collection donation.

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

83102T3 **Combined plow and beading plane No. 45**

DTM MH

Steel plane and blade in an oak box, 12" long, 5 7/8" wide box, 10 1/4" long plane, signed "Stanley No 45".

This plane was owned by a New Bedford, MA, shipwright and boat builder. It was never used; all the parts are like new with the blades in the original box. Other box contents: 18 blades and depth stops, adjustable cam, extra fence extension, 2 1/2" long screwdriver for adjusting the depth stops, torn directions, and a small tool catalog. One of the illustrations on the catalog shows a newly designed frog on a smooth plane with a 1902 patent date. This dates the catalog to 1902 - 1908. This plane is a survivor from the twilight of New England's maritime era.

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

22211T26 **Compass plane**

DTM TT

Drop-forged tempered alloy steel, steel blade, 10" long, 4 1/2" x 2 3/8", signed "No 113" on body, "STANLEY RULE & LEVEL Co." on the knob, "STANLEY" and "MADE IN U.S.A." on the plane blade with the sweetheart logo (SW in a heart).

Part of the Robert Sullivan Collection donation.

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

31808PC5 **Compass plane**

DTM MH

Cast steel, brass trim, and wood, 8 3/4" long, 1 3/4" wide blade, signed "MOULSON BROTHERS" "WARRANTED" and "CAST STEEL" trademark on the blade.

Moulson Brothers of England's working dates were 1824 - 1912.

33011T1 **Croze**

DTM TT

Oak with a cast steel cutter, 24" long, 4" cutter, 7" radius area, unsigned.

It includes a three piece set of lance croze irons.

31808SLP3 **Fillester plane**

DTM TT

Steel, brass, and wood, 9 5/8" long, signed "AUBURN TOOL CO" and "AUBURN, NY".

DATM (Nelson 1999) indicates this might be Empire Tool Co. or Owasco Tool Co. Gray and Dudley were hardware dealers who marked planes made by Auburn.

<http://www.davistownmuseum.org/pics/31808slp3-2.jpg>

<http://www.davistownmuseum.org/pics/31808slp3-1.jpg>

22211T25 **Fillister rabbet plane**

DTM TT

Drop-forged tempered alloy steel, steel blade, 10" long, 2 1/4" x 1 1/2", signed "STANLEY" "No. 78" and "MADE IN U.S.A.". .

The plane blade is also marked "STANLEY" and "MADE IN U.S.A." Part of the Robert Sullivan Collection donation.

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

Davistown Museum Inventory of Tools - Industrial Revolution - Planes

Woodworking: Planes

Status Location

DTM TT

31808SLP11 Hand beading plane

Cast iron with nickel-plating, 11 1/4" long, signed "STANLEY No 66" and "PAT. FEB. 9 86".

The patent is to Justustraute 2/9/1886. The size dates this plane to post-1909.

<http://www.davistownmuseum.org/pics/31808SLP11.jpg>

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

TJE4002 Jointer plane

LPC MH

Cast iron and cast steel, 22" long x 5 1/2" high x 2 3/4" wide, signed "The Birmingham Conn Plane MFG. Co".

It is a No. 7 size, but the size is unmarked.

112806T1 Jointer plane

DTM MAG-3

Malleable iron, rosewood handle and knob, and brass adjustment nut, 23 1/2" long, 2 15/16" wide, signed on the brass adjustment nut "Patented Aug 3, 1875".

This is one of the most interesting planes in the Davistown Museum collection. The day before its purchase from a Civil War period Somerville, MA, workshop, it was dropped on a cement floor and broken in half by its owner. When purchased, this broken plane was missing its lever cap and blade. Other than its rarity, its significance lies in the fracture of the metal frame of the plane. The appearance of the metal structure of the plane is that of white cast iron, much coarser than the fracture exhibited along the cleavage lines of the many chipped and broken malleable iron planes that turn up in every tool chest. The distinctly white fracture of the iron in this plane suggests that during its manufacture, some mishap occurred in the annealing process, which resulted in a failure of transition from rapidly cooled white cast iron to correctly annealed malleable cast iron. This metallurgical failure, along with the new designs for plane frogs and adjustment mechanisms being introduced by Leonard Bailey at this time, may explain both the rarity of this tool and its failure to become widely used. Extensive discussion and illustration of the Bailey Tool Company's products (Woonsocket RI, 1872 - 1879, Seldon A. Bailey, president - no relationship to Leonard Bailey) is contained in Volume I, pg. 61 - 68 of Roger K. Smith's (1960) Patented Transitional and Metallic Planes in America, 1827 - 1927. Smith makes this comment about the recent history of the design of this particular piece: "A design variation of this plane eliminated the cap screw adjustment for the iron but incorporated the cutter adjustment as patented by David F. Williams, No. 166,240 on August 3rd, 1875... the lever clamp device [on the earlier planes] was soon replaced with a screw held cap, which was also specified in William's 1875 patent." (pg. 65). Smith notes in 1879 the Bailey Tool Company was absorbed by the Bailey Wringing Machine Company and in January of 1880 by the Stanley Rule and Level Co. The Bailey Tool Company planes manufactured in Woonsocket, MA, can often be clearly distinguished from the planes Leonard Bailey designed for the Stanley Rule and Level Co. by the large letters cast into their ornate lever caps (BAILEY TOOL CO). Bailey Tool Co. planes are now fairly uncommon and were produced in much smaller quantities than those designed by Leonard Bailey for the Stanley Rule and Level Co. This tool is available for hands on examination in the Center for the Study of Early Tools second floor tool cataloging area (room 3).

52408T4 Level

DTM MH

Wood, glass, brass, 2 9/16" x 1 1/2" x 3", unsigned.

This is a small circular level.

22211T32 Molding plane

DTM TT

Beech with a steel plane blade, 9 1/4" wide, 3 3/8" x 2", plane blade 1 1/2" contour, signed "S. DALPE" "BOXTON POND".

S. Dalpe was a prominent Quebec planemaker in the second half of the 19th century. Part of the Robert Sullivan Collection donation.

22211T31 Molding plane

DTM TT

Beech with a steel plane blade, 10" wide, 3 1/2" x 2 1/4", unsigned.

It cuts a 1 7/8" concave radius. Part of the Robert Sullivan Collection donation.

31811T4 Molding plane

DTM TT

Beech with a steel iron, 10" long, 1 7/16" wide, 3" tall, signed "FANNING" with an obscured word underneath it and "N. PACK" owner signature.

31811T3 Molding plane

DTM TT

Wood, 10 1/2" long, 2" wide, 1 3/4" high, signed "AYMAR".

This plane is damaged, the front has been sawed off. It has a radius iron design. Aymar may be the owner's name.

TAL1001 No. 2 smooth plane

LPC MH

Drop-forged steel and wood, 2" long, signed "STANLEY NO. 2".

Loaned to the Museum by Thom McKee.

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

22211T33 Plane

DTM TT

Lignum vitae body and cast steel plane blade, 9" wide, 2 1/4" x 2 1/4", plane blade 1 7/8", signed "MOULSON BROTHERS" "WARRENTED" "CAST STEEL" on the blade and "ATR" owner's mark three times in a circle on the body..

Part of the Robert Sullivan Collection donation.

Davistown Museum Inventory of Tools - Industrial Revolution - Planes

Woodworking: Planes

Status Location

31808SLP5 **Plane**

DTM TT

Steel and wood, 9 1/4" long, 1/4" wide cutting edge, unsigned.

This plane has two double bead curved cutters.

<http://www.davistownmuseum.org/pics/31808slp5-1.jpg>

<http://www.davistownmuseum.org/pics/31808slp5-2.jpg>

30311T8 **Plane blade**

DTM TT

Tool steel, 7 3/4" long, 2 3/8" wide, signed "FORSMAN" "TOOL MFG CO" "QUINCY MASS".

31808SLP10 **Plow plane**

DTM TT

Steel, brass, and wood, 8 3/4" long, 1/4" wide cutting blade, signed "3" "WARRANTED" "CAST STEEL" and on the wood "C.F.W".

<http://www.davistownmuseum.org/pics/31808slp10-2.jpg>

<http://www.davistownmuseum.org/pics/31808slp10-3.jpg>

32708T54 **Plow plane**

DTM MH

Metal, brass trim, and wood, 8 1/2" wide with 1 1/4" and 1/4" wide blades, signed "HILDICK" on the wide blade and "DICK" on the small blade.

DATM (Nelson 1999, 382) reports on a family of Hildicks working from 1860-1879 (Aaron, I & H, John, and R).

<http://www.davistownmuseum.org/pics/32708t54-1.jpg>

<http://www.davistownmuseum.org/pics/32708t54-2.jpg>

42607T7 **Plow plane blade**

DTM MH

Cast steel, 8 1/2" long, 5/8" wide, signed "Humphreysville Mfg. Co. Warrented Cast Steel".

Humphreysville Mfg. Co. is listed as being in Seymour, CT (1852 - 1904). This is probably a Civil War period blade. Is this cast steel imported from England or made in the USA (Pittsburg)?

31808SLP4 **Rabbet plane**

DTM TT

Cast iron, nickel-plated, 5 1/2" long, 1" wide cutting edge, signed "STANLEY" "MADE IN USA" and "92".

This is a cabinet-makers plane.

<http://www.davistownmuseum.org/pics/31808slp4-2.jpg>

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

7602T1 **Razee Plane**

LPC MH

Ebony with cast steel blade, 22" long, 2 5/8" wide, 1 7/8" wide blade, signed "Made by P Marshall" on the toe and "Buck Brothers Warranted Cast Steel" on the blade.

This plane was one of three in a collection of tools formerly owned by a ship caulker who worked in the 19th century in the shipyards of Boston and Chelsea. It was found with associated caulking tools in a dark corner of 3 Derber, Chelsea, June 2002 by the Liberty Tool Co.

http://www.davistownmuseum.org/pics/7602t1-1bw_web.jpg

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

22211T28 **Scraper plane**

DTM TT

Drop-forged tempered alloy steel, steel blade, brass nuts, with a wooden tote and handle, 9" long, 3 1/2" wide, signed "No 112" on body.

This is a Stanley No. 112 plane. Part of the Robert Sullivan Collection donation.

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

31808SLP12 **Side rabbet plane**

DTM TT

Cast iron with nickel-plating, 5 1/4" long, 1/2" wide cutting blade, signed "NO 79" "STANLEY" and "MADE IN USA".

<http://www.davistownmuseum.org/pics/31808slp12-2.jpg>

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

42904T9 **Smooth plane**

DTM MH

Cast iron, steel blade, rosewood handles and knobs, brass adjustment knob, 9 1/2" long, 2 1/2" wide, 5" high, signed "BAILEY" "No 4" "PAT'D" "MAR-25-02" "AUG-19-02".

This is a nice example of a Stanley smooth plane at their peak of production.

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

101400T4 **Smooth plane**

LPC MH

Rosewood and cast steel, 4 5/8" long, 1 1/2" wide, with a 15/16" wide blade, signed on blade "Jacob Reisser New York".

The blade maker is not listed in DATM (Nelson 1999). This is an exquisite late 19th century plane.

Davistown Museum Inventory of Tools - Industrial Revolution - Planes

Woodworking: Planes

Status Location

LPC MH

TJE4001 Smooth plane

Cast iron, cast steel, and wood, 8" long, 4 3/4" high, 2 1/8" deep, signed "The Standard Rule Co. Patented Oct. 30, 1883
_ntonville, Conn".

<http://www.davistownmuseum.org/pics/TJE4001.jpg>

100400T2 Stanley no. 2 bedrock smooth plane

LPC MHC-K

Cast steel and wood, 7 1/2" long, 1 15/16" wide with a 1 9/16" blade, signed "BEDROCK" on the cap iron and the casing, "3 607" also on the casing, "STANLEY MADE IN USA" and "PATENDED APR 2, 85 APR 19, 10".

This plane illustrates the Stanley Tool Company at the height of its plane-making artistry.

<http://www.davistownmuseum.org/pics/100400-2.jpg>

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

22211T35 Transition plane

DTM TT

Drop-forged malleable iron, steel, beech wood, and brass, 15" wide, 2 3/4" x 1 1/2", plane blade 2", signed "BAILY" on the body and "STANLEY" on the plane blade.

Part of the Robert Sullivan Collection donation.

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

22211T34 Transitional plane

DTM TT

Beech, drop-forged malleable iron, steel blade, and brass, 15" wide, 2 5/8" x 1 1/2", plane blade 2", signed "BAILY" on the body and "STANLEY" "MADE IN USA" on the plane blade.

Part of the Robert Sullivan Collection donation.

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

22211T27 Veneer scraper

DTM TT

Drop-forged malleable iron, steel, brass, and wooden handle, 6 1/4" long, 3 1/2" wide, 3" high, signed "No 12" on body, "STANLEY RULE & LEVEL Co." "NEW BRITAIN, CONN USA" on the knob.

Part of the Robert Sullivan Collection donation.

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

Woodworking: Planes Made in Maine

103102T1 Bench plane

DTM MH

White bronze with rosewood handles, 6" long, 1 1/2" wide, 3 1/2" high, blade is 4 1/2" high, 1 1/4" wide, signed "LIE-NIELSEN USA" on blade and "Lie-Nielsen" "USA" "2002" "No 1" on base of plane.

This plane is modeled after a No. 1 Stanley; No. 284 of 500 produced.

<http://www.davistownmuseum.org/pics/103102t1.jpg>

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

52408T7 Bench plane

DTM MH

Three hardwood types, steel, 4.75" x 1.75" x 2.75", signed "L.R." over a flying bird inside a shield on one end and a crown inside a horseshoe on the other end.

It was made by Leon Robbins of Crown Plane Co. in Bath, Maine.

030206T1 Circular plane

DTM MH

Cast iron, 10" long, 4 1/8" high, 2" wide, unsigned.

This plane is identical in appearance to planes made from the Evans Patent Jan. 28, 1862 (no. 34,248) March 22, 1864 (no. 41,983), but is not marked. George F. Evans of Norway, Maine filed the patent. Most planes made with this patent were by R. H. Mitchell & Co. of Hudson, NY. Prior to them purchasing the patent, some were made by Darling & Schwartz of Bangor, Maine. The Mitchell Co. soldered a brass nameplate to the side and perhaps this is missing? Some were also sold with paper labels (Smith 1960, vol. I pg. 145-6; vol II, pg. 156).

http://www.davistownmuseum.org/pics/030206t1_p1.jpg

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

25408T5 Coffin plane

DTM MH

Etched hardwood, 11" x 5.25" x 2.5", unsigned.

It was made by Leon Robbins of Crown Plane Co. in Bath, Maine. It has stripes burned into the wood and a hand-etched curly pattern.

90502T1 Coffin plane

Hard and figured maple, steel blade, 8 1/4" long, 2 1/8" wide, 2 1/2" high, 1 3/4" wide blade, signed on the wood "J W" with a crown emblem, 2002.

This plane and its blade was made special for the Davistown Museum by Jim White of Crown Plane Co. in S. Portland, Maine. It is the museum's only specimen of Maine's most important contemporary tool manufacturer.

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

41302T1 Convex block plane

DTM MHC-K

Wood (type unknown) with steel blade, 4 1/2" long, 2 3/16" wide, signed "L.R." with a crown touchmark, c. 1990.

This is the handiwork of Leon Robbins, Crown Plane Co., Bath, Maine, who adds his trademark to Jim Whites.

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

42607T3 Convex block plane

DTM MH

Cast steel, iron, and beach, 7 5/8" long, 2 1/2" wide with a curved 2 1/8" wide blade, signed "Orin Hardin" and on the blade "warrented cast steel" with an obscured signature.

The blade is clearly steeled (steel welded on iron), showing the use of cast steel as a weld steel. At least 20 of Orin Hardin's planes were recovered in 3 tool chests accompanied by eight J. C. Jewett planes. Both were Waterville, Maine, planemakers.

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

TJE1001 Evan's circular plane

BDTM MH

Cast iron, 10 3/8" long, 2 3/16" wide, with a 1 5/8" wide blade, signed "Moulson Brothers cast steel" on the blade.

One of the earliest of American-made circular planes, this Maine-made tool pre-dates most Stanley Rule and Level Company circular planes. It is noteworthy that while this tool was produced either in Norway, ME or Hudson, NY, the blade was produced in England, reflecting the continued U.S. reliance on imported British edge tools as late as c. 1870. See the Registry of Maine Toolmakers (Brack 2008) for the entry on George F. Evans, who worked 1862 - 1864.

<http://www.davistownmuseum.org/pics/TJE1001.jpg>

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

70701T6 Molding plane

DTM MH

Wood with steel blade, 8" long, 1/4" diameter blade, signed "Use this tool for fitting BURROWES Patent sliding screens. E.T. BURROWES CO., MANUFACTURERS, PORTLAND MAINE".

Also on the side of the plane is printed "If screens do not run easily groove or follow groove a little with this plane". Burrowes made screens, and planes for use in their installation, from 1878-1928.

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

DTM-LR Molding plane

DTM MH

Steel and tiger maple, 9" x 5.5" x 0.75", signed "LR".

It was made by the late Leon Robbins, founder of Crown Plane of Bath, Maine.

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

52408T2 Molding plane

DTM MH

Tiger maple, steel, 9.75" x 6" x 1.25", unsigned.

Made by Leon Robbins of Crown Plane in Bath, Maine.

112508T1 Scrub plane

DTM MH

Wood, 5 7/8" long, 1 23/32" wide, 3 1/4" tall with cutter, and 1 11/32" cutting edge, signed "L.R." with a flying bird inside a shield.

This plane was made by Leon Robbins.

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

6405T5 Smooth plane

DTM MH

Curley maple, cast steel blade, 8 1/4" long, 1 1/2" wide, 2" wide blade, signed "L. R." with a crown hallmark, blade signed "W. Greaves & Sons warranted cast steel", c. 1985.

This plane was made by Leon Robbins of Bath, Maine. The blade is a typical 19th century imported Sheffield blade.

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