

18th Century Material Culture

Engineering, Surveying, Drafting & Cartography II



Compasses



Compass
Mid 18th Century
(George C. Neuman Collection, Valley Forge National Historic Park)



London Compass
by "I. COGGS. FLEET STREET: LONDON. Fecit." c, 1740
(Scientific Instrument Society - Jeffrey Lock)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Hanging Miner's Compass
by "Johann Oberhayser Vo Schwaz 1765"
(Scientific Instrument Society - Jeffrey Lock)



Brass Cased Compasses
18th Century
(Estate of Tom Wnuck)



Wood Cased Compasses
18th Century
(Estate of Tom Wnuck)



Compass
by William Collier of London 1712

Sundial Compasses



Butterfield Paris Compass
c. Early 18th Century
(Southeby's)



Butterfield Paris Compass
by "Le Maire a Paris a la Pierre d'arman" c. 1740 - 1750
(Private Collection)



Butterfield Paris Compass
by "Le Maire a Paris a la Pierre d'arman" c. 1740 - 1750
(Private Collection)

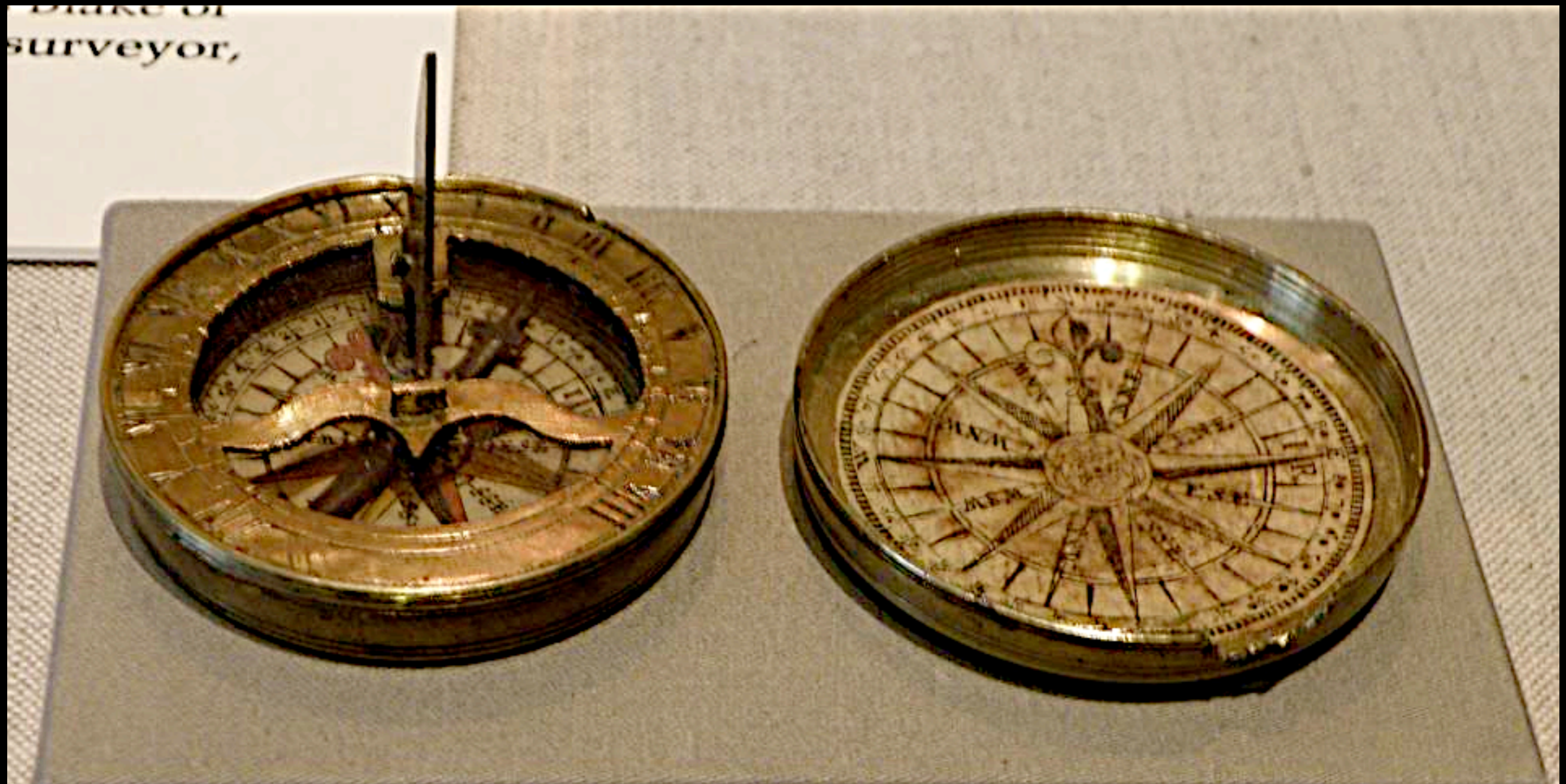


Butterfield Paris Compass

c. 1750

(Leons Militaria)

Blake of
surveyor,



Compass / Sundial
by James Blake of Dorchester, Massachusetts 18th Century
(Massachusetts Historical Society)

Surveying Compasses



Trade Card
18th Century



An Ancient Compass
 Used by
Jacob Thomson, Surveyor & Seaman
 in Middleboro and Bridgewater
 He was born Apr. 1695; died March 1757 (A. H. 70)

Unsuccessful effort was made with modern compasses to find the old lands. This compass was then looked up, and it retraced its old steps with accuracy. At one point the record book had no sign of a tree. By digging, roots were found that pointed to the spot where the tree had stood.

This relic was kept by the Surveyor Thomson, of Bridgewater, from 1878, and the parcel into the hands of Samuel T. Governor, of Middleboro, by whom it is presented to
 The Mass. Historical Society

In surveying this cover was put upon the top of a cane, and on this cover the compass was adjusted. It was accompanied by a pocket-line compass.

A "Circumferentor" (Surveyor's Compass)
 Made in Boston, Massachusetts c. 1725
 (Massachusetts Historical Society)



Surveyor's Compass
by Stephen Greenleaf of Boston, Massachusetts c. 1750
(New Hampshire Historical Society)



English Brass Surveyor's Compass (Restored)

c. 1735

(Department of the Geographer to the Army 1777 - 1783)



Surveyor's Compass
by Joseph Halsey of Boston, Massachusetts c. 1750 - 1760
(New Hampshire Historical Society)



Surveyor's Compass
by Thomas Greenough of Boston, Massachusetts c. 1760



Surveyor's Compass
by Thomas Greenough of Boston, Massachusetts c. 1760
(Princeton University)



Surveyor's Compass
by Thomas Greenough of Boston, Massachusetts c. 1760
(Princeton University)



Surveyor's Compass & Chain
by Joseph Halsey of Boston, Massachusetts c. 1750 - 1760
(New Hampshire Historical Society)



Surveyor's Compass
by Joseph Halsey of Boston, Massachusetts c. 1750 - 1760
(New Hampshire Historical Society)



Surveyor's Compass
by Joseph Halsey of Boston, Massachusetts c. 1750 - 1760
(New Hampshire Historical Society)



Surveyor's Compass
by Joseph Halsey of Boston, Massachusetts c. 1750 - 1760
(New Hampshire Historical Society)



Surveyor's Compass
by John Dupee of Boston, Massachusetts c. 1750



Detail: Surveyor's Compass
by John Dupee of Boston, Massachusetts c. 1756



Surveyor's Compass
by William Hart of Portsmouth, New Hampshire c. 1770
(New Hampshire Historical Society)



Surveyor's Compass
by Lewis Michael of Pennsylvania c. 1788



Surveyor's Compass
by Lewis Michael of Pennsylvania



Surveyor's Compass
by Lewis Michael of Pennsylvania



Surveyor's Compass
by Lewis Michael of Pennsylvania



Brass Surveyor's Compass
by David Rittenhouse of Philadelphia c. 1770



Surveyor's Compass
by George Adams of London



Detail, Wooden Surveyor's Compass
by George Adams, London



Surveyor's Compass
by Fowler c. 1770



Surveyor's Compass by
S. Browning



Surveyor's Compass
by George Adams of London, Mid 18th Century



Surveyor's Compass
by Benjamin Rittenhouse



Surveyor's Compass Owned by George Washington
by David Rittenhouse 1782
(Mount Vernon)



Surveyor's Compass
by Camm Moore (1755 - 1845) of North Carolina
(Leland Little Auction & Estate Sales)



Copper Printing Plate for the Compass Labels of William Hart of Portsmouth, New Hampshire
c. 1755 - 1800
(New Hampshire Historical Society)



Applewood Surveyor's Compass
18th Century
(Bonhams - William H. Guthman Collection)



Applewood Surveyor's Compass
"Made and Sold by by Joseph Halsy in Fish Street BOSTON"
"Richard Baxter His Compass / bought ye 2d anno 1747"
(Bonhams - William H. Guthman Collection)



Cherry Surveyor's Compass
by "Hagar / Maker / near the Draw Bridge / Boston 1754"
(Bonhams - William H. Guthman Collection)



Cased Cherry Surveyor's Compass
by Thomas Greenough (1710 - 1785) of Boston, Massachusetts
(Bonhams - William H. Guthman Collection)



Cherry Surveyor's Compass
"MADE BY CLARK ELLIOTT IN NE LONDON"
c. 1767 - 1771
(Bonhams - William H. Guthman Collection)



Walnut Surveyor's Compass
Marked "Newell / Maker / East E *** / FANUEIL HALL / BOSTON"
Andrew Newell (1749 - 1798)
(Bonhams - William H. Guthman Collection)



Cherry Surveyor's Compass
Late 18th Century
(Bonhams - William H. Guthman Collection)



Cherry Surveyor's Compass
by T.S. Bowles of Portsmouth, New Hampshire
Signed in Script "Callender Sep."
Late 18th Century (c. 1785 - 1795)
(Bonhams - William H. Guthman Collection)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Surveyor's Compass in a Quadrant
Late 18th - Early 19th Century
(Bonhams - William H. Guthman Collection)

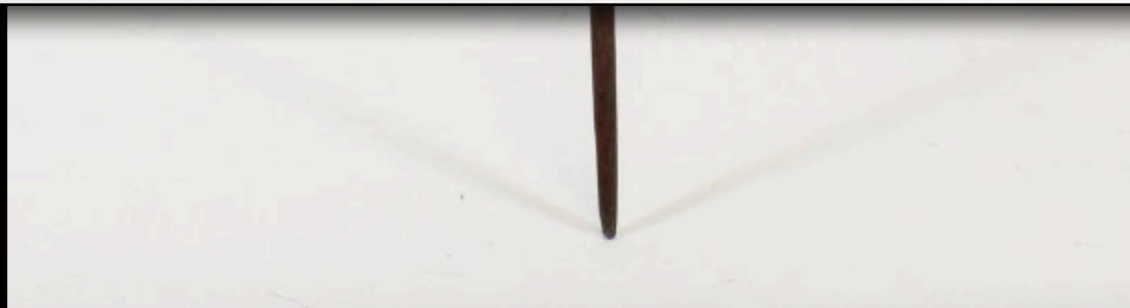
Surveying Compass Tripods



Surveyor's Compass on a Tripod
Late 18th Century
(Bonhams - William H. Guthman Collection)



Wooden Tripod for Surveyor's Compass
Used by Samuel Lane of Stratham, New Hampshire c. 1739
(New Hampshire Historical Society)



Wooden Tripod for Surveyor's Compass
Used by Samuel Lane of Stratham, New Hampshire c. 1739
(New Hampshire Historical Society)

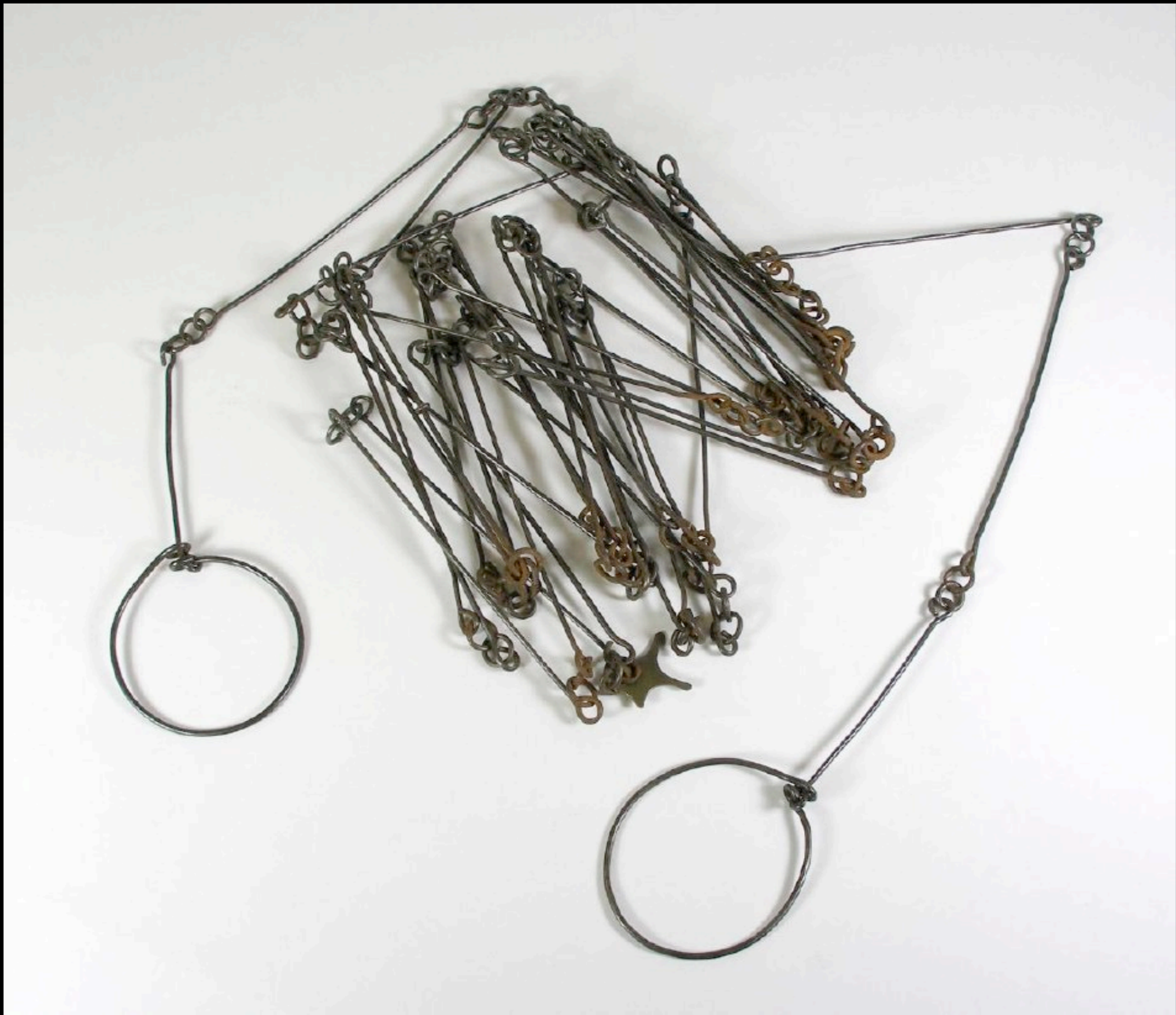


Wooden Tripod for Surveyor's Compass
Used by Samuel Lane of Stratham, New Hampshire c. 1739
(New Hampshire Historical Society)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)

Surveyor / Gunter Chains



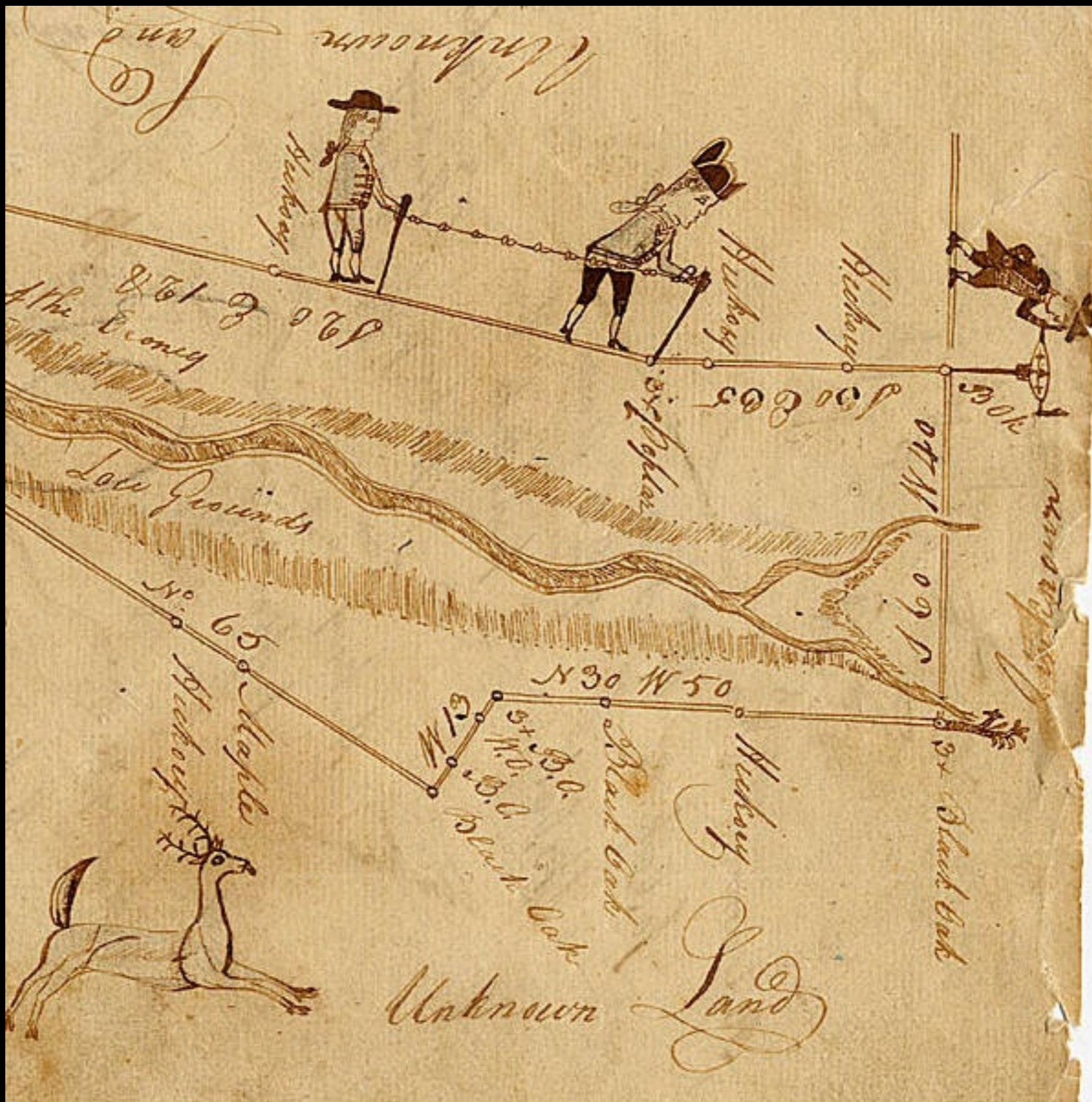
Surveyor / Gunter Chain Used by Samuel Lane of Stratham, New Hampshire

c. 1750

(New Hampshire Historical Society)



Brass Survey Chain Tally
Recovered from the Wreck of BlackBeard's Queen Anne's Revenge



Detail "Doodle Plat" - Plat of Georgia Land Granted to William LeFew

c. 1784

(Headright and Lottery Loose Plat File, Survey Records, Surveyor General, RG 3-3-26, Georgia Archives)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)

“Plain” / Plane Tables



*“Plain” Table with Brass Alidade
(Department of the Geographer to the Army 1777 - 1783)*



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)

Waywisers Perambulators



Map of Middlesex
by John Rocque 1757
(The British Library)



Map of Middlesex
by John Rocque 1757
(Universitat Bern)

1 Minute of Time West from the Meridian of St Pauls 40

20

Seconds of Time West from the Merid

OF

H A R

A Map of
the COUNTY of
M I D D L E S E X
R e d u c e d
from an Actual Survey in four Sheets
By John Rocque.

Carte de la
P R O V I N C E
de M I D D L E S E X reduite
D'apres un arpentage en quatre feuilles
Par Jean Rocque
1757.



Map of Middlesex
by John Rocque 1757
(Universitat Bern)



Map of Middlesex
by John Rocque 1757
(Universitat Bern)



English Waywiser or Perambulator
c. 1758
(Arader Galleries, New York)



Waywiser or Perambulator
by George Adams, Jr. (1750 - 1795) with Lock Patented by Joseph Bramah in 1784
(Scientific Instrument Society)

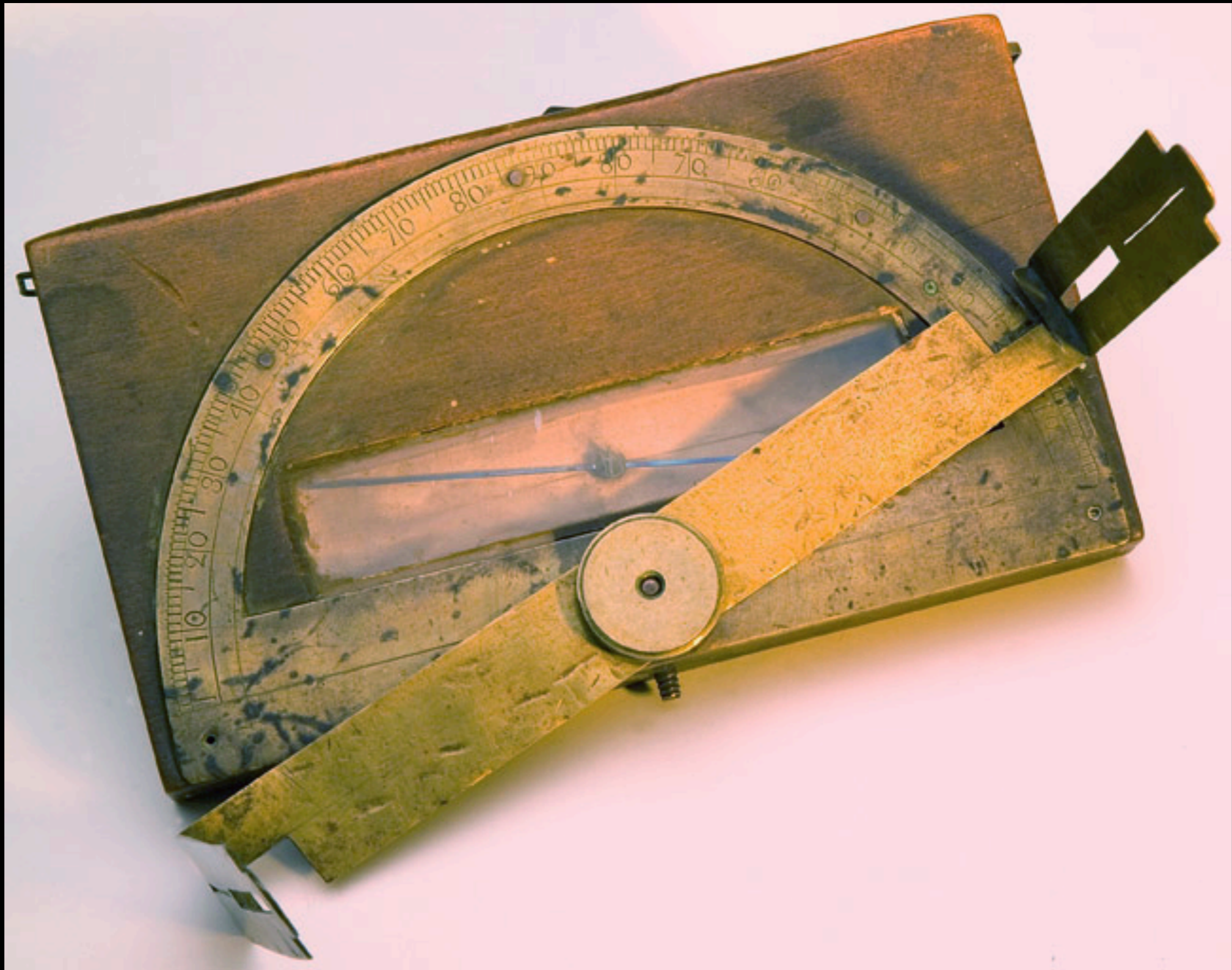
Semi Circumferentors



Surveyor's Semi - Circumferentor
"Henry Oliver/ 1775"
(Bonhams - William H. Guthman Collection)



Surveyor's Semi - Circumferentor
18th - Early 19th Century
(Antique Associates of West Townshend, Inc.)

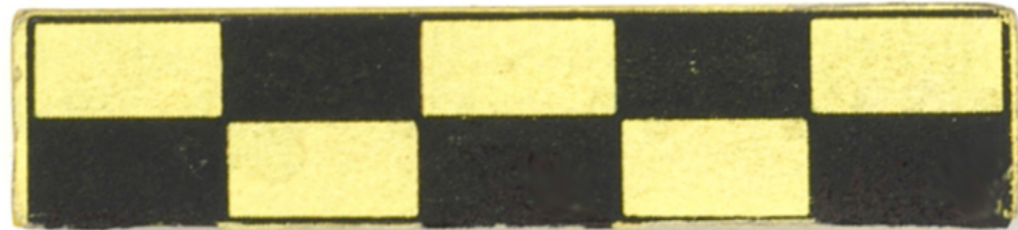


American Surveyor's Walnut Semi - Circumferentor
1790
(Fleaglass)

Telescopes



Thomas Newenham
by Edward Haytley 1749
(Yale Center for British Art)



Dutch Telescopes Made from Cow Bone
c. 1725 - 1775
(Dutch Office for Monuments & Archaeology)

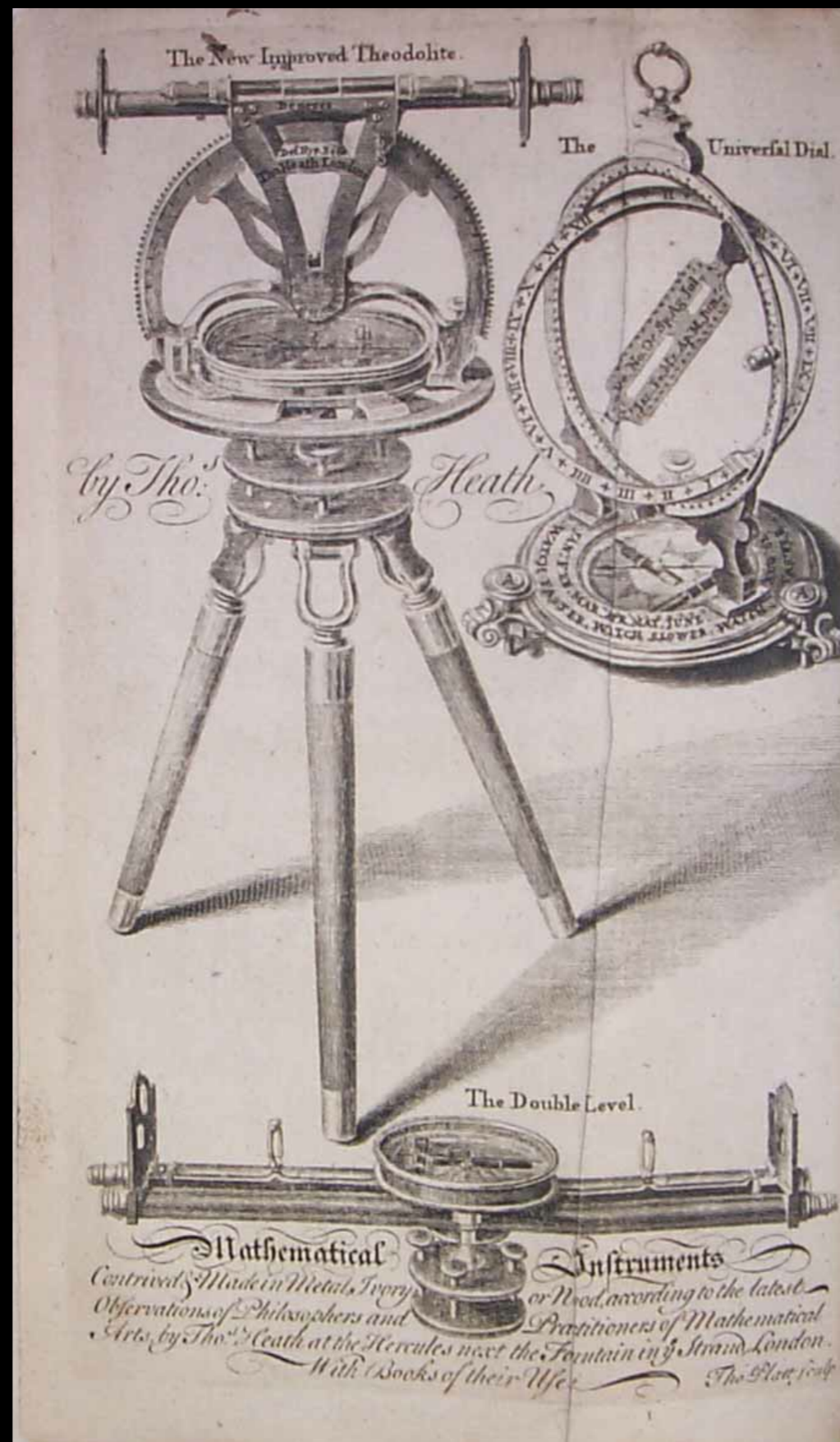


Naval Telescope
by Nairne & Bluntc. 1775
(National Maritime Museum)



Brass Telescope

Theodolites



Frontspiece: "The Practical Surveyor: ..."
by John Hammond, London 1731
(Formerly of the Bud Uzes Collection)



Surveyor's Telescope, Compass, Etc.
18th Century
(Private Collection)



Standard
c. 1750 - 1775
(Winterthur)



Standard
c. 1750 - 1775
(Winterthur)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)

Surveyor's Cross / Graphometer



Surveyor's Cross or Graphometer
Late 17th Century - 18th Century
(Nicolàs de Hilster)



Surveyor's Cross or Graphometer
Late 17th Century - 18th Century
(Nicolàs de Hilster)



Surveyor's Cross or Graphometer
Late 17th Century - 18th Century
(Nicolàs de Hilster)



Surveyor's Cross or Graphometer
Late 17th Century - 18th Century
(Nicolàs de Hilster)



Surveyor's Cross or Graphometer
Late 17th Century - 18th Century
(Nicolàs de Hilster)



French Surveyor's Cross or Graphometer
Signed "Lennel à La Sphere a Paris." 1780
(Nicolàs de Hilster)

Quadrants & Octants



Naval Octant
by Martin, Joshua Lover; Jesse Ramsden c. 1774
(National Maritime Museum)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Mariner Hadley Reflecting Quadrant
"Gregory, London" Mid 18th Century
(West End Company)



Recreated Continental Engineers
(Department of the Geographer to the Army 1777 - 1783)



Davis Quadrant "Back Staff"
1st Half 18th Century
(West Sea Company)



Davis Quadrant "Back Staff"
1st Half 18th Century
(West Sea Company)

Acknowledgements

The 18th Century Material Resource Center greatly acknowledges our friends in the Recreated Department of the Geographer (1777 - 1783) for their contributions to this edition. For more information on 18th Century Engineering, Drafting and Surveying, please contact these extremely knowledgeable historians at: www.armygeographer.org



Acknowledgements

The material contained within these slideshows is presented for educational purposes only. The 18th Century Material Culture Resource Center does not personally own any of the items depicted herein and is indebted to the countless museums, libraries, and private collectors who willingly share their collections with the public through the internet. Every attempt has been made to credit these organizations and individuals for their contributions as best as possible.

If there is a question you have regarding a particular item featured within a presentation, please contact the 18th Century Material Culture Resource Center and we will try to answer your inquiry as best as possible. If for any reason you feel there is any item that should not be presented here, or if there is an error in any listing, or if you know the source for any item whose credit is unknown, please inform us and we will make sure your concern is addressed as soon as possible.

Thank you!

- The 18th Century Material Culture Resource Center