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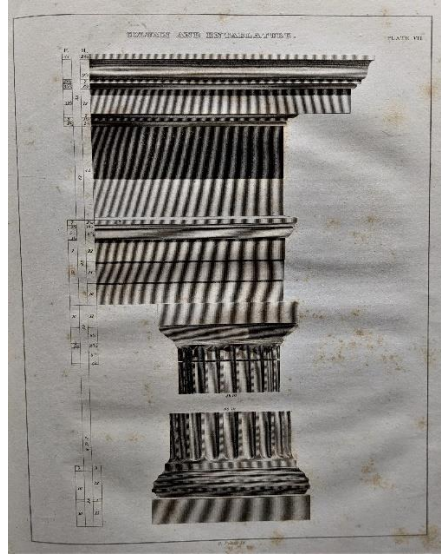
Scientific & Technical Americana



19th Century Books on Architecture, Artillery, Climate,
Color Theory, Disease, Inventions, Natural History, &
Technical Drawings

De SIMONE COMPANY, *Booksellers*

“FOR THE USE OF CARPENTERS AND PRACTICAL MEN”



1. (Architecture). Benjamin, Asher. *Practice of Architecture. Containing the Five Orders of Architecture, and an Additional Column and Entablature, with all their Elements and Details Explained and Illustrated. With Sixty Plates.* Boston & Philadelphia: Benjamin B. Mussey & Deliver, Thomas & Co., 1836. \$ 550.00

Large 4to. 275 x 215 mm., [10 $\frac{3}{4}$ x 8 $\frac{1}{2}$ inches]. viii-116 pp., 60 engraved plates. Contemporary sheepskin binding, worn at edges and spine, joints cracked and expertly repaired; some foxing to the margins and plates; generally a good, sound copy.

Third edition, with alterations and improvements, originally published in 1833, followed by a second edition in 1835. This was Benjamin's fifth of seven publications on the history and practice of architecture and building construction. His taste and technique in the field had enormous impact on the design of homes and communities in the North East before the Civil War.

The *Practice of Architecture* built on the design and techniques that appeared in his *The Architect or Practical House Carpenter* which he published in 1830. In his new book he included more complex drawings and sophisticated designs and contributed a 'sixth' order which he entitled Column and Entablature. This was based on best construction practices of the day and but from Benjamin's point a view, it needed rules that would both classify the order and also give instruction on how to accomplish its construction.

Hitchcock, *American Architecture Books*, 136 (for the first edition). Juliette Tomlinson, "Asher Benjamin -- Connecticut Architect," *Connecticut Antiquarian* 6 (1954). *A Bibliography of Writings by and about Asher Benjamin Author(s): Asher Benjamin and Jack Quinan Source: Journal of the Society of Architectural Historians*, Oct. 1979, Vol. 38, No. 3 (Oct., 1979), pp. 254-256. (574)

WITH THE CARPENTER NOT THE ARCHITECT IN MIND



2. (Architecture). Brown, William. *The Carpenter's Assistant: Containing a Succinct Account of Egyptian, Grecian, and Roman Architecture. Also, a description of the Tuscan, Doric, Ionic, Corinthian and Composite Orders. . . Revised, Improved, and Enlarged with Additions on Rural Architecture, including Plans Elevations, Grounds &c., &c., of Cottages, Villas, and Farm Buildings.* Worcester: Published by Edward Livermore, 1852. \$ 750.00

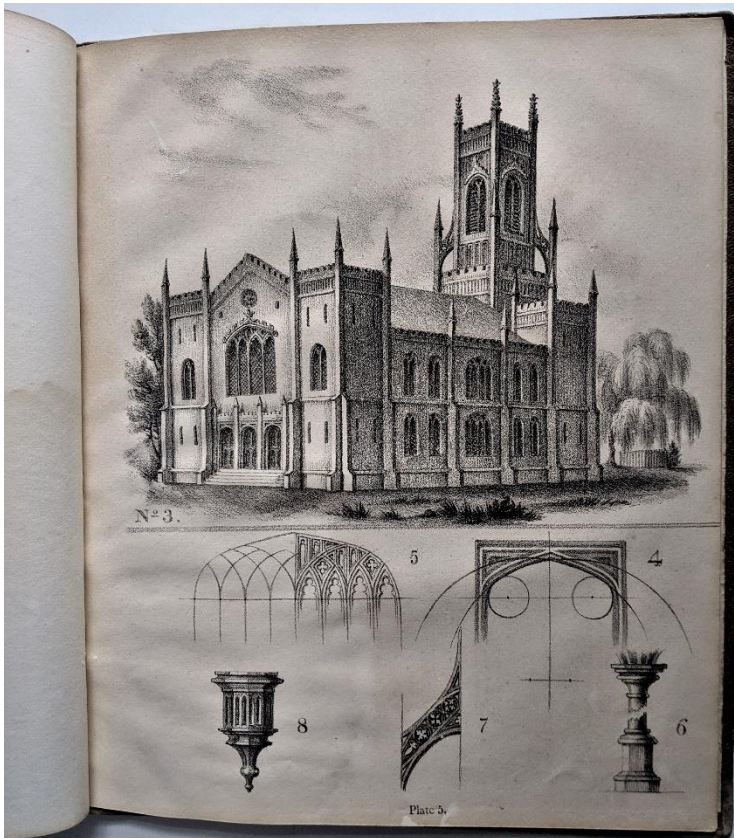
Large 4to. 280 x 215 mm., [11 x 8 ½ inches]. 148 pp. Illustrated with 200 plates of plans, elevations, details, and practical stair-building on 54 plates and in the text. Contemporary sheep, Black leather label with title in gilt on spine; some rubbing to binding; text block clean and bright; six examples of dried leaves inserted and now removed, causing browning to paper stock on verso and recto of the page. Ownership inscription in pencil of "Harvey Bicknell, Barnard Vt." on front free endpaper. With faults a very good, sound copy in original binding.

Fifth edition, revised and enlarged with new plates and a chapter on rural architecture. Original issued in 1848, Brown's work became a standard manual for carpenters and builders and went through at least six editions, the final one being printed in 1854. Brown was a practicing Lowell, Ma. architect, whose goal was to produce a manual, written in simple terms, which explains the techniques of construction without the complexity of a treatise on architecture. Interesting text which places some focus on existing home built in Worcester and surrounding area, with details of construction and design patterns.

Hitchcock, *American Architectural Books*, 217 (for 1851 edition). (573)

ILLUSTRATED WITH PLATES PRINTED BY ONE OF THE
MOST FAMOUS LITHOGRAPHERS IN AMERICA - DRAWINGS BY THE AUTHOR

3. (Architecture). Hopkins, John Henry. *Essay on Gothic Architecture. With Various Plans and Drawings for Churches: Designed Chiefly for the use of the Clergy.* Burlington (VT): Printed by Smith & Harrington, 1836. \$ 1,200.00



4to. 275 x 225 mm., [10 $\frac{3}{4}$ x 9 inches]. vi. 46 pp. Lithographic title-page and 13 full-page lithographic plates. Original cloth, paper label on spine; cloth discolored and shows some remnants of water staining, spine and tips expertly repaired with tissue, spine label chipped; tide marks to preliminary leaves, frontispiece and title-page, plates 12 and 13 and rear end leaves. With fault a good copy.

First edition. Illustrated with fourteen finely drawn and printed lithographs designed by the author and printed by the Pendleton's Lithographic Company, Boston. "John Pendleton, Lithographer. Born in New York State. While traveling in France, he became interested in lithography and studied the art under the best masters in Paris. On returning to America, he

settled in Boston with his brother, a copperplate printer, and they established a lithographic establishment in 1825."

John Henry Hopkins was an Irish immigrant, home schooled by his mother, who became a lawyer, musician, ordained minister, bishop and author of over thirty publications. He studied gothic architecture during his time in Pittsburg where he was charged with supervising the construction of Trinity Church. Dismayed with the unsightly designs of most churches in America he decided to compile his information as a guide to the elements of style and design characteristics of the gothic. He became of the most notable experts in the field and he published this work, one of the first of its kind in America, for the benefit of local ministers charged with the building of churches in the gothic style.

Hitchcock *American Architectural Books*, 606. Fielding, *Dictionary of American Painters, Sculptors and Engravers*, p. 278. Peters, *American on Stone*, pp. 312-323. Allibone, *Critical Dictionary of English Literature and British and American Authors I*, p. 885. (571)

A VERITABLE GALLERY OF AMERICAN LITHOGRAPHERS AND WOOD ENGRAVERS



4. (Architecture). Owen, Robert Dale. *Hints on Public Architecture, Containing among other Illustrations, Views and Plans of the Smithsonian. Together with an Appendix Relative to Building Materials . . .* New York: George P. Putnam, 1849. \$ 550.00

4to. 325 x 250 mm. (13 x 9 3/4 inches). 17 (table of contents and list of illustrations bound out of order), 119 pp. Illustrated with a frontispiece, engraved title-page, 6 full-page lithographs, 7 full-page engravings, and 99 woodcut illustrations in the text. Bound in blue publisher's cloth; front cover faded at the top; bookplate and library pocket removed from front and rear of the volume.

First edition. R. D. Owen wrote his *Hints on Public Architecture* "to introduce the members of the Building Committee of the Smithsonian Institute to concepts of good taste in architecture, as demonstrated by current British examples by A. W. Pugin and discussed in the writings of John Ruskin."* Owen was a member of the House of Representatives from Indiana, member of the Building Committee and he was instrumental in the passage of legislation that would fund the building of the structure. A controversy has arisen with the various designs for the Smithsonian in Washington and members of the Committee and the Congress needed guidance as to the proper role of architecture in publicly funded buildings. The book lays out a justification for the Norman Romanesque as an appropriate architectural style for American public buildings, using the Smithsonian Building as a model.

The book is extremely well illustrated with the best lithographers and wood engravers used to produce the images. The American branch of Ackerman & Co. and Napoleon Sarony created the highly detailed lithographs and W. Roberts, Bobbett and Edmonds, and J. H. Hall produced many of the wood engravings. Owen's *Hints* is a veritable gallery of wood engravers and lithographers of the mid-19th century.

Hitchcock 885. ★ Quote from the Smithsonian Institution Website. (310)

PUBLISHED FROM AN ACCOUNT APPEARING IN THE *LONDON QUARTERLY REVIEW*

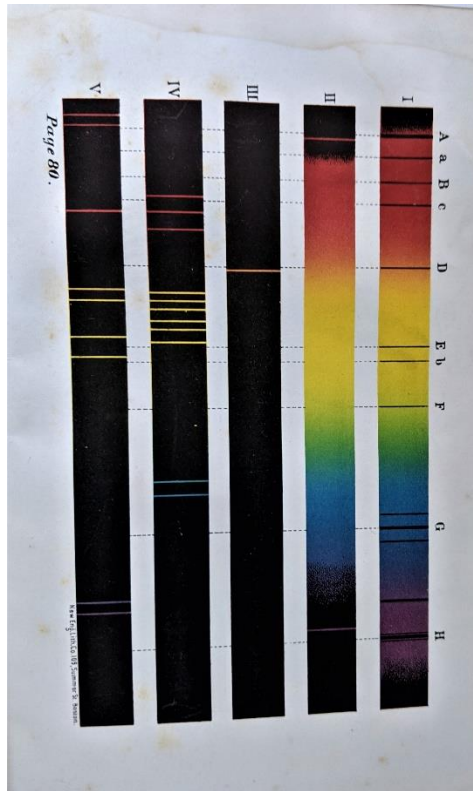


5. (Cholera). *An Account of the Rise and Progress of the Indian or Spasmodic Cholera. With a Particular Description of the Symptoms Attending the Disease. Illustrated with a Map Showing the Route and Progress of the Disease, from Jessore, Near the Ganges, in 1817 to Great Britain in 1831.* New Haven: Published and Sold by L. H. Young, 1832. \$ 150.00

8vo. 200 x 120 mm., [7 ¾ x 4 ½ inches]. 48 pp. Engraved folding map. Original printed wrappers; spine and corners chipped, with some residue of scotch tape, removed, on spine and outer margin. With faults a good copy.

The *Account* provides description of the first appearance of the disease, its physical symptoms, the impact on the populations in India and its transmission to the United Kingdom. Very good map. (577)

FROM THE WORKS AND OBSERVATIONS OF
PROFS. SCHELLEN, ROSCOE, HUGGINS, LOCKYER, YOUNG AND OTHERS



6. (Color Theory). *Spectral Analysis Explained. Its Uses to Science Illustrated, showing its Application in Microscopical Research, and to Discoveries of the Physical Condition and Movement of the Heavenly Bodies, and Including an Explanation of the Received Theories of Sound, Heat, Light, and Color.* Boston: Estes and Lauriat, 1872. \$ 100.00

8vo. 205 x 140 mm., [8 x 5 ½ inches]. [2], pp. 55-177, [4] pp. ads. Illustrated with two color plates and black and white illustrations in the text throughout. Original plum cloth, faded at edges and spine.

Compiled by the Editor of *Half Hour Recreations in Popular Science*. Prof. H. Schellen's research was originally published in London in 1872. His theories, and others working on the subject created such a sensation that multiple editions describing the phenomenon were printed by a number of competing publishers in London, New York, Philadelphia and Boston immediately after its original appearance. This much shortened version published for a popular audience explains this Schellen's methods for understanding elements of the universe hitherto unknowable, including the invisible elements that compose sound, light and color. (576)

PRAISED BY ALEXANDER VON HUMBOLDT
WHOSE RESEARCH ON CLIMATE HELPED ESTABLISH THE SCIENCE

7. (Environmentalism) Blodget, Lorin. *Climatology of the United States, and of the Temperate Latitudes of the North American Continent. Embracing a full comparison of these with the Climatology of the Temperate Latitudes of Europe and Asia, and especially in regard to Agriculture, Sanitary Investigations and Engineering.* Philadelphia: J. B. Lippincott and Co., 1857. \$ 575.00

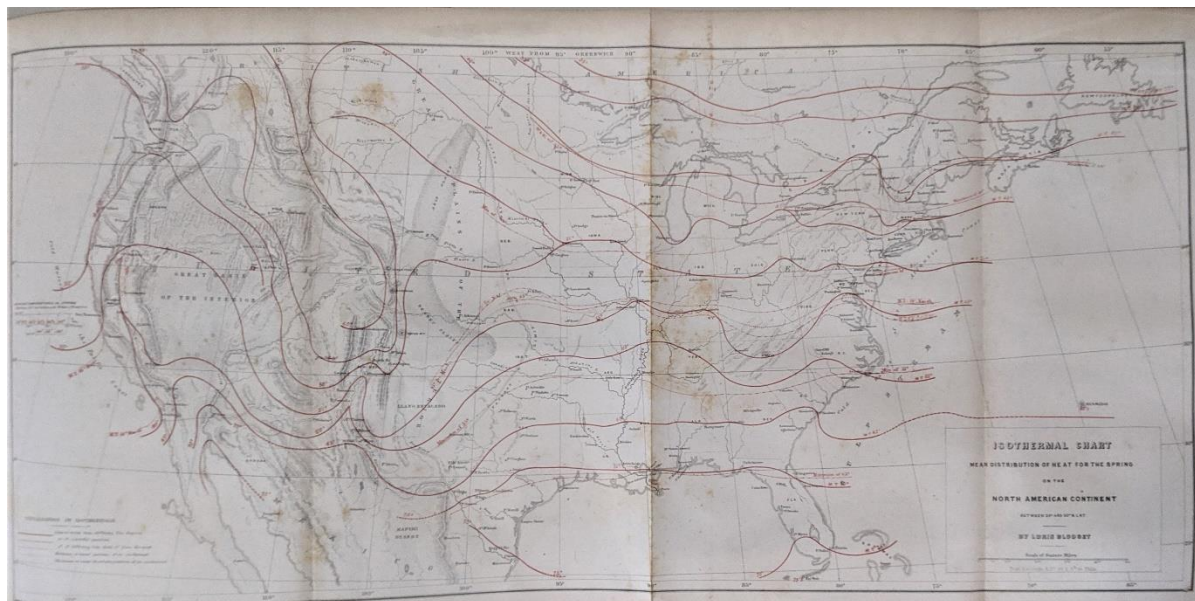


Large 8vo. 270 x 185 mm., [10 ½ x 6 ¾ inches]. xvi-536 pp. 12 folding maps and one chart. Embossed publisher's cloth, title gilt on spine; head and tail of spine chipped, joints a bit worn with small chipped missing; otherwise a sound and attractive copy, unopened. With a presentation inscription to "Mr. Wm Miller from his father, August 16, 1857."

First edition of the first American book on the subject of climatology and was highly acclaimed here and abroad. The subscriber's list of over 200 American scientists is included in the publication and according to publishing records, 500 copies were purchased and sent to European centers of science and research and introduced Blodget and his research to the international scientific community.

This highly original and comprehensive book includes chapters on statistics as applied to climatology; climate as it relates to the topography with emphasis on both Coasts, the Gulf Coast, and the Plains States; seasonal variations in temperature, precipitation, and wind velocity; climate impact on agriculture and sanitary conditions in areas of climate upheaval. The book is illustrated with 12 topographical maps of the United States at given times of year and record the change in temperature and precipitation given changing climatic condition. Much of this information relates

to European information and statistics on climate and gives the work an international importance. The lithographic maps are by F. Bourquin of Philadelphia.



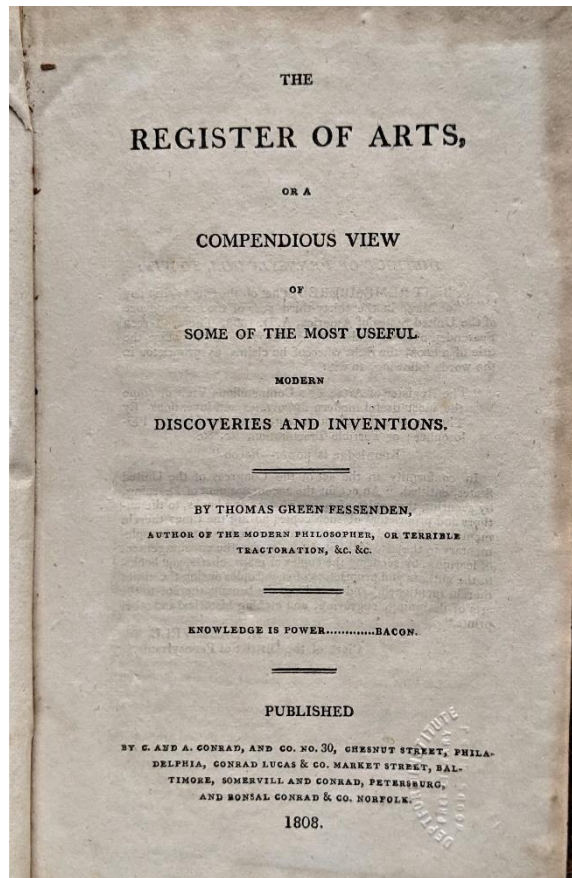
Blodget was born in Jamestown, New York, educated locally and graduated from what is now known as Hobart College in Geneva, New York. One of his first jobs was as a researcher at the Smithsonian where he conducted his work on climate in American and the Northern Hemisphere. His study of statistics lead him to work at the War Department and then the Treasury where he published a highly regarded book on tariffs and trade. He was also a member of the Philadelphia Board of Trade. He is thought to have published over 150 reports on numerous subjects regarding the relationship between climate, population, agriculture and trade. He died in Philadelphia in 1901.

Sabin, *Dictionary of Books Relating to America*, 5950. Allibone, *Critical Dictionary of English Literature and English and American Authors* I, p. 207. *Appleton's Cyclopaedia of American Biography* I, p. 295. Peters, *America on Stone* p. 101. (575)

A POET, JOURNALIST, SATIRIST, AGENT & PROMOTER OF INVENTIONS

8. Fessenden, Thomas Green. *The Register of Arts, or a Compendious View of Some of the Most Useful Modern Discoveries and Inventions*. Philadelphia, Baltimore, Petersburg and Norfolk: Conrad and Co., 1808. \$ 225.00

Small 4to. 215 x 130 mm., [8 ½ x 5 inches]. [11], 404 pp. Illustrated with two engraved plates and one 'table' in the text. Contemporary calf; joints cracked, spine and edges rubbed; with faults a sound copy with good paper stock. This copy with the embossed stamp of the Deptford Free Library.

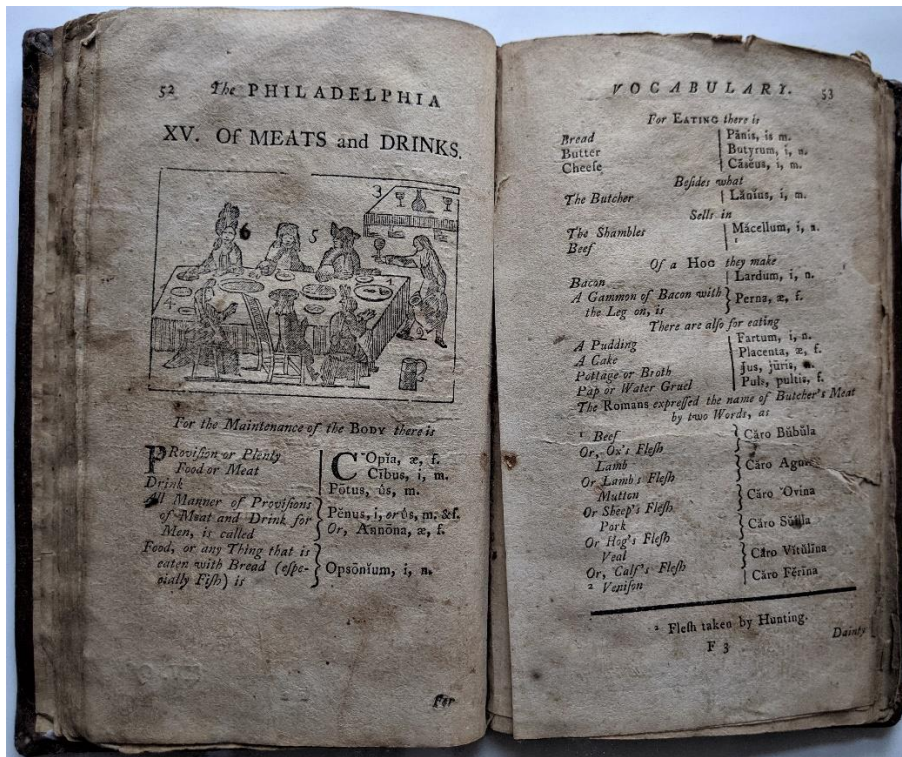


First edition and only edition. Highly informative and opinionated study of the condition of American manufacturing and invention during the 'National Period' of American history. *The Register of Arts* includes not only the recipes of a particular trades and industry, but the history and development of manufacturing, including information on inventors, inventions, and patents applied for and received. The most interesting and perhaps useful section is entitled, "Sketch of Principal American Manufacturers and Manufactories; Bridges; Canals; Turnpike Roads; Agricultural Improvements; Patent Inventors, &c." which Fessenden organizes by State and Territory. It provides a synthesis of information on the state and progress of industry at a critical period in American history.

Thomas Green Fessenden was one of the rare individuals who made his living as a writer, poet, satirist of Jefferson, newspaper man, inventor and salesman of inventions during the first decades of the 19th century. A truly independent spirit in the age of tremendous growth and expansion of the United States.

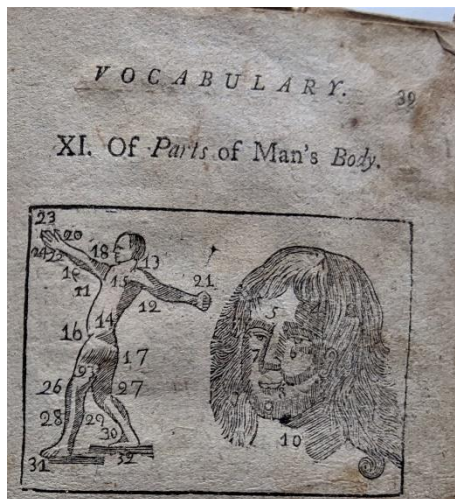
Sabin, *Dictionary of Books Relating to America*, 24215. Shaw & Shoemaker, *American Bibliography*, 15012, Rink, *Technical Americana*, 9658. Appleton, *Critical Cyclopaedia of American Biography*, II, p. 445. *Allibone's Critical Dictionary of English Literature and British and American Authors*, I, p. 590. (579)

EARLY AMERICAN CHILDREN'S BOOK ILLUSTRATED WITH WOODCUTS



9. Greenwood, James. *The Philadelphia Vocabulary, English and Latin* "Put into a New Method proper to acquaint the Learner with Things as well as pure Latin Words. Adorned with twenty-six pictures. For the Use of Schools. Philadelphia: Carey and Co, 1787. \$ 650.00

12mo. 165 x 100 mm., [6 ½ x 4 inches]. viii, 123 pp. Contemporary brown calf, joints cracked and reinforced with expert tissue repair; paper stock brown with age, three leaves with expert repair to tears, edges a bit fragile, yet a sound and attractive copy. Ownership inscription of Joseph Mathew Liber.



Engravers, 116. (570)

“First American edition of this popular textbook. . . The present edition is copied from the English version, first published in London about 1710, with the title *The London Vocabulary*.”

“The woodcuts on the title-page depicts Philadelphia on the left-hand side and London on the right. In the text there are 25 very crude woodcuts. First American edition of this popular textbook.”

Evans, *American Bibliography* 20398. Sabin, *Dictionary of Books Relating to America*, 28690 “school book with poor woodcuts”. Rosenbach, *Early American Children's Books*, 177. Hamilton, *Early American Book Illustrators and Wood*

MOST COMPLETE AND VALUABLE COLLECTION OF SHELLS AND BOOKS ON CONCHOLOGY
IN THE UNITED STATES



10. Jay, John C. *A Catalogue of the Shells, arranged according to the Lamarckian System; together with Descriptions of New or Rare Specimens, contained within the Collection of John C. Jay M.D.* New York: Published by Wiley & Putnam, 1839. \$ 250.00

Folio. 310 x 250 mm., [12 x 9 $\frac{3}{4}$ inches]. 126 pp. 10 full-page plates. Bound in printer's wrappers; some minor chipping at the spine, expertly repaired. With the embossed stamp of the American Museum of Natural History, who upon being contacted states that all the copies called for are presently in the Museum's collections. This appears to be a copy printed by the Museum for public sale or presentation.

Third and most complete edition. John Clarkson Jay was a physician in New York City who amassed the largest collection of shells and conchology in the United States to date. "The value of Dr. Jay's collection of shells and of his conchological library, is well known to the students of this department. Dr. Jay's Catalogue enumerates about 11,000 well-marked varieties, and at least 7000

well-established species.” His collection of shells and books was purchased by Catherine Wolfe and presented to the American Museum of Natural History. “It is known as the Jay Collection.”

In the Introduction Jay writes, “I repeat, it will give me pleasure to exchange duplicate specimens, and will receive live and perfect shells, whether they are enumerated in this Catalogue or not; and, as far as I am able, supply whatever may be desired in return.” Surprisingly, this title was cited by Brunet in his *Manuel du Libraire*.

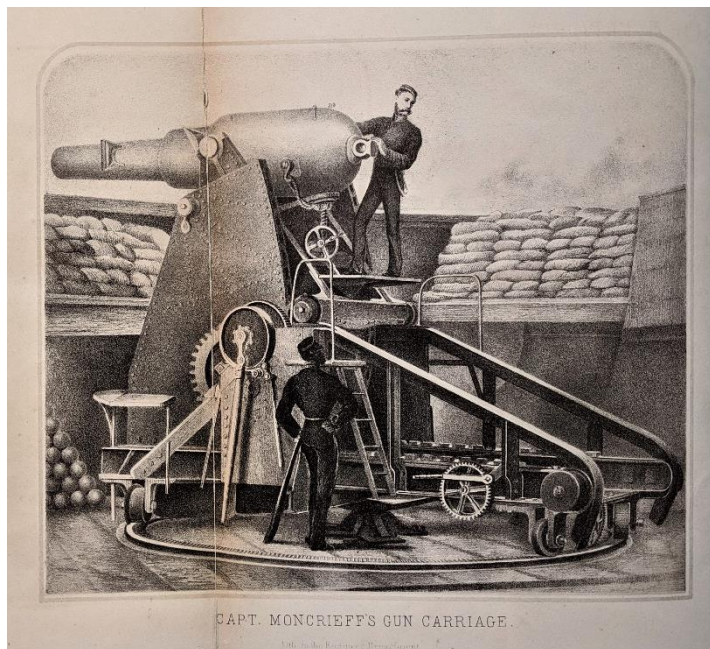
Jay was also a member of the Lyceum of Natural History, now known as the New York Academy of Sciences and was, as treasurer, a founder of the New York Yacht Club, trustee of Columbia College, and author of a number of books on his collection and rare specimens of shells.

Brunet III, 518. Sabin 35851. Allibone, *A Critical Dictionary of English Literature and British and American Authors* I, p.957. *Appleton's Cyclopaedia of American Biography* III, p. 413. (568)

NEW INVENTIONS INCREASING GUN MOBILITY, PLACEMENT, AND ROTATION

- LESSONS LEARNED FROM THE CIVIL WAR -

11. King, Captain W. R. *Counterpoise Gun-Carriages and Platforms. Published by Direction of Bvt. Maj. Genl. A. A. Humphreys for the Use of Officers of the Corps of Engineers.* Washington: Government Printing Office, 1869. \$ 450.00



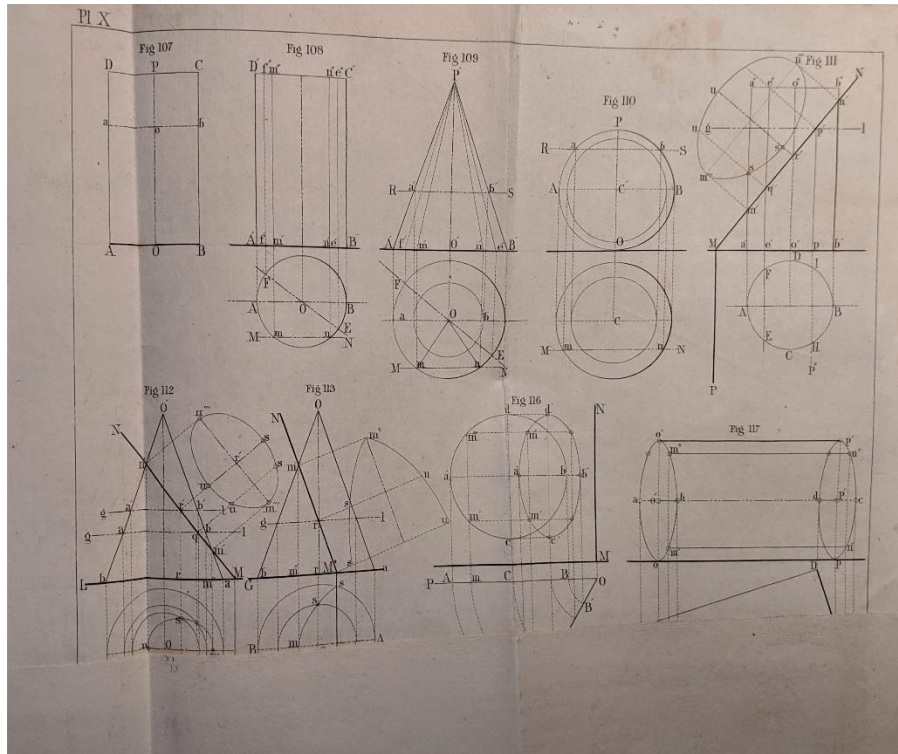
Folio. 300 x 225 mm., [11 ¾ x 9 inches]. 60. [1] pp. Folding lithographic frontispiece, and 17 folding lithographic plates. Publisher's cloth, title printed in gilt on upper cover; rebacked with cloth. From the library of the Franklin Institute with stamps throughout. With faults a very good, clean copy.

Rare military publication devoted to construction of carriages for canons and large guns, printed at the Government Printing Office. The lithographs illustrating the text are designed and printed by the Corps of Engineers, United States Army. In addition to the plates, the text includes list of specifications, component parts, and costs of various

carriages and platforms used for the different sized guns and canons. Rolling guns, revolving guns, guns with fixed horizontal axis, sliding guns, and guns which rise and lower vertically are all discussed.

Rare. There does not seem to be any copies of this title on the market. OCLC calls for 13 copies, six of which are in government libraries and other at Columbia, NYPL, LoC, Hagley Museum, Princeton, and the University of Virginia. (572)

“ONE OF THE MOST SUCCESSFUL MANUALS YET PUBLISHED ON THE SUBJECT”
TRÜBNER’S *BIBLIOGRAPHICAL GUIDE*



12. Mahan, D. H. *Industrial Drawing; Comprising the Description and Uses of Drawing Instruments, the Construction of Plane Figures, the Projections and Sections of Geometrical Solids Architectural Elements, Mechanism, and Topographical Drawing; With Remarks of the Method of Teaching on the Subject.* New York: John Wiley, 1863. \$ 200.00

8vo. 240 x 150 mm., [9 ½ x 6 inches]. xvi, 156, [1] pp. Illustrated with 20 folding diagrams; tear to plate 6 without loss. Bound in publisher's brown cloth, title gilt on spine; spine chipped and expertly repaired. Ownership inscription of C. Whitaker, and Harriet N. Whitaker on the title-page. .

Second edition, revised and corrected; published again at the height of the Civil War. Includes instruction on method of drawing and its instruments, construction of arcs and circles, problems of rectilinear figures, construction of proportional lines and figures, projection, drawing machinery and topographical drawing. Fully illustrated with diagrams to compliment the text.

Dennis Hart Mahan was a graduate of West Point, who after graduating continued his education in Europe and upon his return became Professor of Civil and Military Engineering at the Academy. In addition to this work on drawing, he was the author of six other text books, focusing on engineering, fortification, geometry, and mechanics. They were published in South as well as the North and had influence on CSA engineers and tacticians as well as their counterparts in the Union cause. His works were also translated in to German and used in Prussian military academies.

Mahan was considered one of the most influential teachers and innovators of his time who had significant impact on the conduct of the War on both sides of the conflict. After the War he was forced to resign from the Academy and committed suicide in 1871.

Allibone, *Critical Dictionary of English Literature and British and American Authors*, ii, 1203. *Appleton's Encyclopedia of American Biography* IV, p, 176. (580)

PREPARED FOR THOSE CLASSES OF COMMUNITY WHO ARE
THE BONE AND SINEWS OF OUR REPUBLIC

13. (Shepard, John). *The Artist & Tradesman's Guide. Embracing Some Leading Facts & Principles of Science, and a Variety of Matter Adapted to the Wants of the Artist, Mechanic, Manufacturer, and Mercantile Community.* Utica, [N.Y.]: William Williams, 1827. \$ 400.00

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8vo. 235 x 140 mm., [9 ¼ x 5 ½ inches]. 216 pp. Original terracotta cloth over boards, printed paper label on spine; binding faded at spine and upper edge, head and tail of spine and edges frayed; paper stock brown with age. With faults a sound and not unattractive copy.

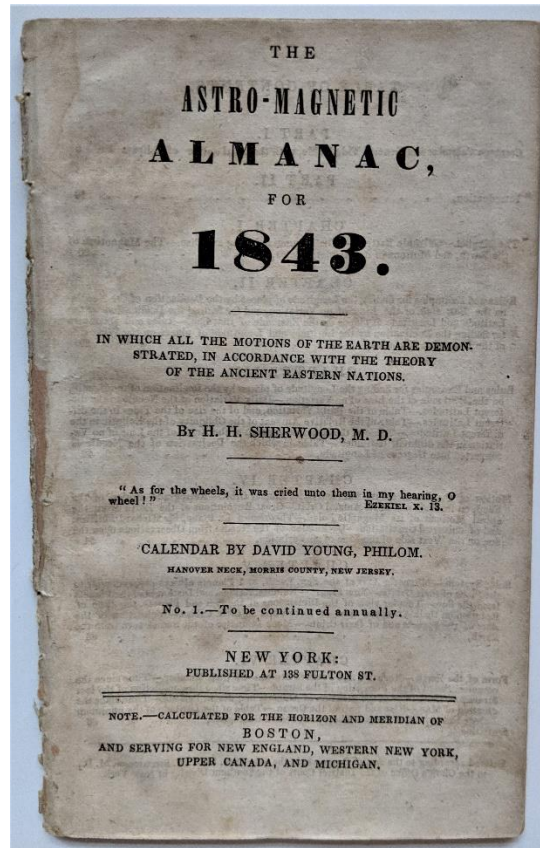
First edition of a scarce provincial imprint. Manual and recipe book offering techniques for producing and manufacturing hundreds of products for the American market. Shepard includes tips on new modes of transportation and how to calculate shipping costs in order to take advantage of the growing markets in the West. Chapters include descriptions on how to make soaps, work with metal, color cloth by dyeing, equipment required for weaving and techniques, lessons in printing and engraving, and numerous chapters on the cultivation of the soil and crops, with an emphasis on distillation, brewing, and wine making.

Shepard's work found considerable attention and two more edition where published in New York City by C. J. Johnson in 1829, both

considerably revised and expanded.

Rink, *Technical Americana*, 213. Shoemaker, *American Imprints*, 30585. (578)

CELESTIAL THEORY OF THE ANCIENT EASTERN NATIONS REVIVED



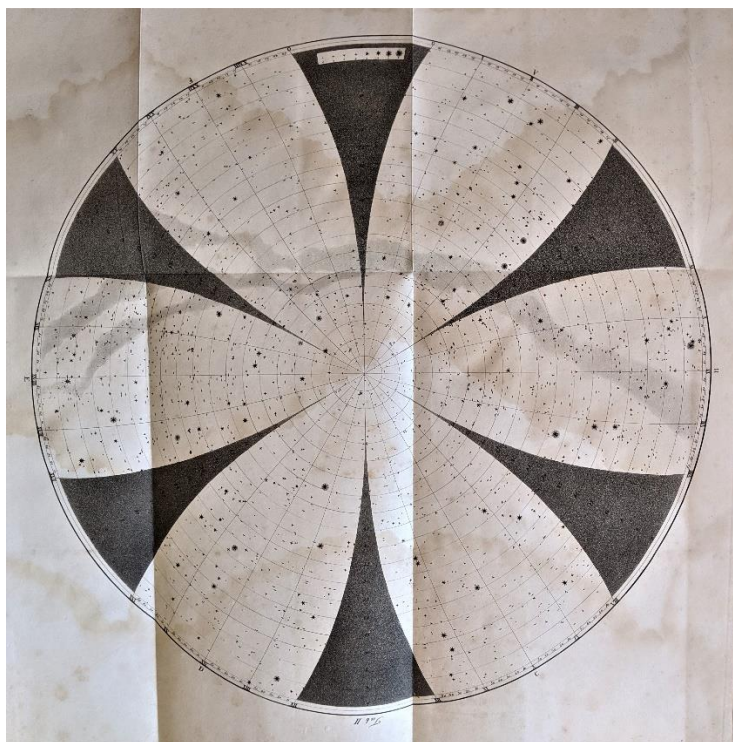
14. Sherwood, H. H. *The Astro-Magnetic Almanac, for 1843. In which all the Motions of the Earth are Demonstrated, in Accordance with the Theory of the Ancient Eastern Nations... Calendar by David Young.* New York: Published at Fulton Street, [1842]. \$ 150.00

12mo. 180 x 110 mm., [7 x 4 ¼ inches]. 72 pp. Illustrated throughout with woodcut images of the planets. Disbound, trimmed to outer margin.

First edition. “No. 1.—To be Continued Annually.” This appears to be the only edition printed. “The loadstone, the magnet, magnetism, and the mariner’s compass, have been known to the ancient eastern nations from time immemorial. They called the two opposite forces in the magnet male and female and taught that everything was formed and moved by the combined action of these male and female forces. Little, however, was known on this subject among the Europeans. . .”

OCLC list nine copies of this edition only. (581)

PRINTED AT THE UNIVERSITY PRESS



15. Struve, F.G.W. *Catalogus Novus Stellarum Duplicium et Multiplicum*: Doprati: Typis J. C. Schuenmanni, typographi academici, 1827. \$ 750.00

Folio. 340 x 210 mm., [13 ½ x 8 ¼ inches]. [8], lii, 88 pp., with errata slip at end. With two plates, one folding. Original blue paper wrappers, white paper spine, paper label with title on upper board; boards a bit soiled, paper at spine chipped in places; text clean and bright, some foxing and tide marks to two plates; sound and attractive copy.

First edition. Star catalogue compiled by Friedrich Georg Wilhelm Struve, Director of the Observatory at the Imperial University of Dorpat in Russia. Struve was the founding father of a family of astronomers whose impact on the field covered over 150 years.

His original research focused on the study of ‘double stars’ or stars that were situated in the heavens so close together that they appeared to be of the same source. His *Catalogus Novus*, published in 1827, contains the classification of the angular separation of 3,112 double stars from his observations of over 122,000 stars. He began his research on the subject in 1820 and ending with the publication of this work.

Struve was elected to membership in academies of science in Russia, England, Sweden and the United States (1834) for his astronomical work and his research continued into the 1860’s when he died in St. Petersburg in 1864. He is perhaps most well-known for his study of geodesy, or the study of the earth, its orientation in space, and the gravitational field in which it is exerted in the solar system.

Dictionary of Scientific Biography XIII, pp. 108-113. (567)