

OCCASIONAL LIST

TECHNOLOGY

Palinurus Antiquarian Books
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[24 items]

1. Cooper, T.
**The Introductory Lecture, of Thomas Cooper
... Prof. of Chemistry at Carlisle College**

Carlisle: A Loudon, 1812.
First Edition. 8vo, viii, [1] - 236 pp.
Very good; a small tide mark to lower fore corner of the first few leaves; moderate foxing in the body of the text.
Original blue paste paper boards..

A work by the English polymath and associate of Priestley who found his way to America in the late 18th century. The book is his inaugural lecture at Carlisle College. Cooper provides a history of chemistry from the Greeks through Lavoisier with special attention to electro-chemistry, geology, phlogiston theory, and mineralogy. There are sections given over to glass making, plating and gilding, and other technologies of the period. There is an extensive appendix of notes. Rink #671; Cole #293.

\$975

2. Davy, H.
**Elements of Chemical Philosophy, Part I,
Vol. I** (all published).

London: J Johnson, 1812.
First Edition. 8vo. There are 12 engraved copper plates. Internally a bright copy; boards worn; text block split; paper label partially abraded.
Original publisher's pastepaper boards; drop down cloth box.

Davy presented his studies and experiments in what is one of the first treatises on physical chemistry. John Davy commented, "...it is ... to be considered an epitome of his own labours, and discoveries, and peculiar views" The book contains an account of the author's discovery of fluor spar and the origin of fluoric compounds. There is also a modification of Lavoisier's classification of elements and brief history of chemistry and electro-chemistry. It is most unusual to find this book in the original publisher's paste paper boards. Fullmer p. 67 (incorrect collation); Cole #344; Duveen pp. 160 - ' 61

\$2,500

3. Brownrigg, W.
**The Art of Making Common Salt, as now
Practised in Most Parts of the World; with
several improvements proposed in that Art**

London: C Davis, 1748.
First Edition. 8vo, xxiv, 295, [3 - errata] pp. + 6 folding copperplates of apparatus. The half-title is retained.
Very good, bright; joints strained. Full contemporary calf.

Practical considerations of commerce led the author to examine the various means of producing salt. He concluded that salt could be made economically in England. Duveen points out that this is a valuable book. It provides the first detailed account of the importation of platinum from the West Indies. The plates are deep impressions of the buildings and apparatus used in the making of salt. Cole #209; Duveen p. 104; Partington III, 127-130. \$850

4. J P Friez & Sons - TRADE CATALOG.
**Standard Weather Instruments / Catalog # 4 /
Julien P Friez & Sons.**

Baltimore: Julien P Friez & Sons, [1929?].
First Edition. 8vo. Each of the instruments is illustrated. 138 pp.
Very good with docketed date stamp on the frt. wrapper.
Original printed wrappers.

An uncommon scientific instrument catalogue that contains a number of obscure and desirable instruments, e.g., a "nephoscope". Each of the instruments or installation of instruments is fully described with occ. theoretical explanations. The catalog is accompanied by a separately issued price list. The firm ran a large facility and the Belfort Observatory located at Baltimore and Central Ave. in Baltimore. \$250

5. Jones, B M & Griffiths, J C.
Aerial Surveying by Rapid Methods.

Cambridge: University Press, 1925.

First Edition. 4to, xiv, [2]. [1] - 160 pp. + 6 inserted halftone plates; 2 navigational fold-outs on one plate; 15 numbered diagrams; 2 folding plates and an additional half-tone photograph in a pocket on the rear pastedown (so issued by the publisher).
A near fine copy.
Original publisher's cloth.

A book that inaugurated the science and proved the airplane to be an invaluable intelligence asset. The book is based on WWI experiences and numerous experiments designed by the authors and implemented by the RAF after the war. The text establishes the scientific basis for deciphering the information of aeronautical reconnaissance. The text also contains sections devoted to the sophisticated equipment utilized aboard the aircraft - much of it new. \$150

6. Branom, F K.
Teacher's Manual. The Use of Globes.

Chicago: A J Nystrom, 1925.
First Edition ?. 8vo. The text is illus. .
Good; somewhat loose in the wraps; slight discoloration along the edge.
Original printed wrappers.

An instruction book for teachers to introduce concepts and reasons for geography or the weather. The adverts at the rear are also of interest because it is a record of the globes offered for sale by the Johnston-Nystrom Company. \$95

7. Ivens, E M.
Pumping by Compressed Air.

New York: John Wiley & Sons, 1914.
First Edition. 8vo, vi, [1] - 244 pp. + 2 large inserted folding plates and text illustrations throughout.
Very good.
Original publisher's cloth.

A detailed technical treatise on return air systems for transporting goods of all kinds. Once commonplace in all 'modern' buildings and often used for urban mail deliveries in large cities like Paris or New York, these air systems are no longer used. They were, however, a very efficient way for rapidly transporting small packets of printed information. This is a technical engineering manual for the design of such systems.

\$125

8. TRADE CATALOG - ELECTRICITY. **Palmer Bros. Catalog and Price List Dynamos ... Motors, Electro Plating Machines**

Mianus [CT]: Palmer Bros., ca. 1890.
Edition Unknown. 8vo, 16 pp. The text is illustrated throughout as are the pictorial wrappers.
Good; loose in the wrappers.
Original printed wrappers.

An early trade catalog of dynamos, motors, castings, and plating equipment. Unlocated.

\$175

9. Whelpley, J D & Storer, J J - METALLURGY.

Whelpley & Storer's New Method of Separating Metals from Sulphurous and Other Ores

Boston: Herald Job Office, 1866.
First Edition. 8vo, there are 4 color litho. folding. plates of the furnaces and crushers.
Very good; inst. stamp on the front wrapper and blank portion of one plate.
Original grey printed wrappers.

An ingenious idea for the separation of non-ferrous metals from their ore compounds. It envisaged the use of massive crushing devices to render the ore a fine powder. This was then fed into a furnace by blowers and mixed with a combustible medium (coal dust) and ignited. Once fired the furnace was meant to be a self-sustaining reaction fueled by the burning sulphur. The heat would then melt the small bits of ore and reduce them to metal and waste products. The bed of the furnace was a mechanically driven current of water that would precipitate both pure metal and place by-products in solution. This was an ambitious methodology for refining non-ferrous metals that may have had a chance to succeed were it not for problems of control and the invention of electrolytic methods later in the century. The lithographs of the furnaces and ancillary machinery are very impressive.

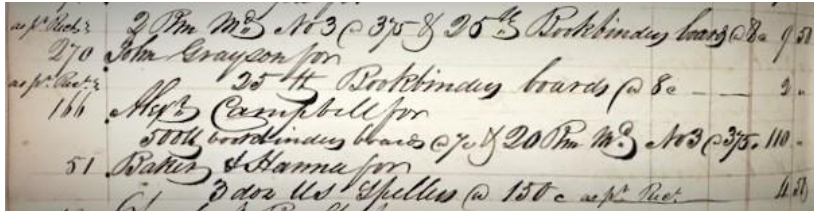
\$1,200

10. Anon. - AMERICAN PAPER MAKING. [Manuscript] **Ledger for the Redstone Paper Mill, July 1825 - Nov. 1826.**

Brownsville [PA]: Redstone Paper Mill, 1825/1826.
Folio, appx. 280pp.

Good; the first 60 pages have been utilized as a scrap book in 1880s.

Original reverse calf.



A rare and valuable account ledger for the Redstone Paper Mill that was founded on Redstone Creek in Fayette City (4 miles from Brownsville) appx. 50 miles outside of Pittsburgh in western Pennsylvania in 1796 by Jonathan Sharpless and Samuel Jackson. This paper mill was the first in Pennsylvania west of the Alleghenies and supplied newsprint for the Pittsburgh Gazette and newspapers as far away as Cincinnati. It was also a manufacturer of all kinds of printing and special purpose papers. At the time of inception the paper mill consisted of paper mill, grist mill, and tenements for the work staff. By 1797 the mill employed appx. 25 people. By 1823, the only year of an extant ledger for the mill, there were 13 women employed (primarily at making paper). The business was finally destroyed by fire in the 1840s at which time its inventory of paper was valued at nearly \$20,000. Ownership had descended directly to members of the Sharpless family and one Job Harvey. The ledger offered here is 280 pages in length. The first 60 pages have been used as a scrapbook and will require the removal of all kinds of paper advertising to be legible. This should not be a great nuisance and once accomplished will reveal another two months of activities. The narrative, however, is unencumbered between Aug. 30, 1825 and the end of the journal Oct. 31, 1826. The record is a day-to-day narrative of shipments and purchases at the mill site. It includes all shipments of paper (by type) and transport into

Pittsburgh, purchases of rags, books for a local school, binding charges, blank book production, the order and evolution of the manufacture of book binding boards (including the purchase of machinery), occasional statements on the employment of women, payments to the Sharpless family etc. This is a full and unusually detailed accounting of income and expenditures relating directly to the manufacture and sale of paper and the book arts in frontier America. By the 1820s the Redstone Mill had also grown to include a small local store and undertaken many of the commercial tasks associated with mill work, e.g., carding, grinding fees. These records are also present in the daily accounts. By reading through the ledger one is given the impression of substantial commercial activity and community centered on the paper mill. There is also the record of a drought in 1825 that brought production to a close for a short time. A magnificent resource. \$15,000

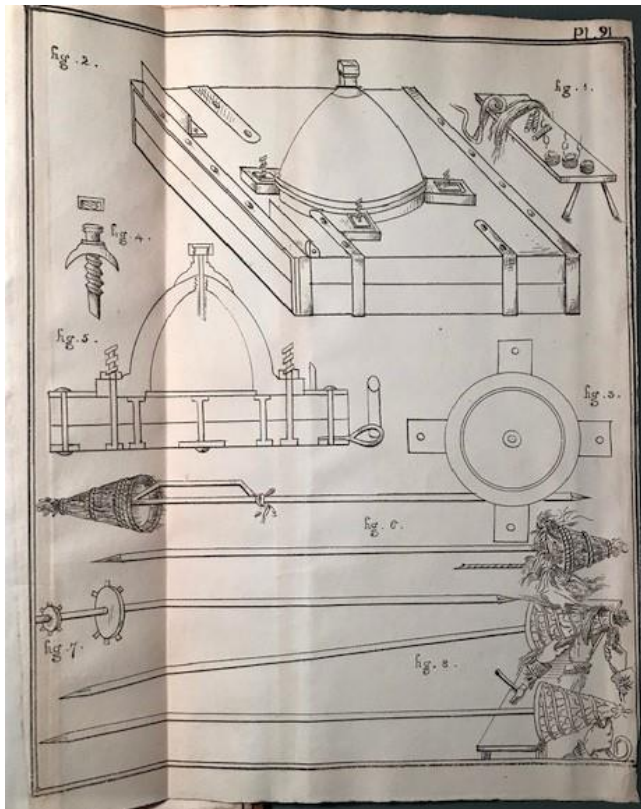
11. MILITARY PYROTECHNICS - LITHOGRAPHY. **Military Pyrotechny, for the Use of the Cadets of the US Military Academy West Point, 1832.**

[West Point]: [J C Poortermans], [1831].

First Edition. Small folio, title, blank leaf, 56 pp. + 24 plates.

Very good; binding broken. Contemporary calf backed boards.

The first edition of the lithographic press located at the West Point Military Academy. This manual was printed for the small number of cadets as a reference and text for a series of lectures in the production of bombs, rockets, and explosive shells. It is the most comprehensive and elaborate of any of the six technical manuals issued for exclusive use of the cadets. It is comprised of 56 pages of lithographed text followed by 24 lithographed plates. The plates are line



drawings depicting the step-by-step manufacture of all kinds of explosive and rocket propelled ordnance. Little is known about the origin and duration of this lithographic press at West Point. It is, however, known that in the following year Poorterman was replaced by another lithographer by the name of George Aspinwall. The manual was produced under the direction of Mahan who, after completing his course of scientific and engineering studies in France, was appointed to teach at the Academy. He oversaw the establishment of new professional standards at West Point, the only engineering college in America. See "Tech. and Culture" for Jan. and April of 1993.

\$4,500

12. Ferranti, Zenobia - TELEGRAPHY.
Valore Comparativo dei Sistemi Telegrafici
 BOUND WITH - **Telegrafia.**

Rome, Turin: Various Publishers, 1893/'95. OFFPRINTS. 4to, I - 33 pp.; II - 68, [3 - index] pp. There are illustrations throughout.

Good; the binding is scuffed; library pocket on pastedown but no other accessioning.
 Contemporary three-quarter leather.

Two lengthy offprints concerning the technology of telegraph systems and a comparative view of the technology in use in Italy. \$125

13. Haber, F.
Thermodynamik technischer Gasreaktionen.

Munich/Berlin: R Oldenbourg, 1905.
 First Edition. 8vo. There are text illus..
 Very Good, tight copy.
 Original publisher's printed cloth.

A comprehensive work on the thermodynamics of gas reactions by the major chemist. This copy retains the separately printed errata sheet. DSB, Supp., 439; Partington, IV, 636. \$200

14. Karsner, H T & Reimann, S P.
Studies in Uranium Poisoning, Parts I-IV.

Boston: Jour. of Medical Research, 1918.
 OFFPRINTS. 8vo.

Fine.
Original printed wrappers.

Four papers on the toxicity of uranium to human beings. \$200

15. Anon. – WINE CASKS
**Traite de la Composition et Usage de la Jauge
... de mesurer ... vaisseaux ronds, selon les
differentes mesures de chaque lieu.**

Toulouse: G-L Colomyez & J Posuel, 1691.
First Edition. 8vo. There is one engraved plate.
Very good; some spotting to verso of plate; small repaired tear
in gutter of the plate; page 37/38 is bound out of place; blank
verso of plate spotted and dust soiled.
Disbound.

*An original provincial publication specific to the needs of the
wine trade. This pamphlet explains the construction of a
nomographic rule - gauge - for measuring the volumes of all
types of wine casks (muids and barriques in French). The
plate illustrates two scales, presumably patterns for the laying
out of the gauge on metal or wood. The text explains the
mathematical basis of the rule and how it functions. Absent
from OCLC; 1 loc. in Toulouse.* \$425

16. Anon.
**Repair and refit ledger for American whalers
out of Fairhaven and New Bedford, 1845 -
1846.**

[Fairhaven, MA]: 1845 - 1846.

Small folio, commercial bound ledger, appx. 180 pp.
Good; binding rubbed and a bit worn; some signatures loose in
the casing.

Original leather backed marbled boards.

*A most interesting commercial record for an unidentified 'finish'
worker who was responsible for leading, caulking, painting,
and miscellaneous other finish or repair work aboard a variety
of vessels - but primarily whalers - out of Fairhaven and New
Bedford in 1845/'46. The entries are detailed and explicit as to
costs, materials employed, time, and brief description of tasks.
In addition to the ships there are entries for all kinds of house
finish work both public and private for residents of Fairhaven.
Among the ships named with full page entries are the
Acushnet, Sharon, Pacific, Ansel Gibbs, Amazon, Rebecca
Sims, Java, Heroine, Florence, Eliza Adams etc. - at least 16
individual ships are named and others identified. In addition to
repair are the comprehensive entries for new ships, e.g.,
Abraka, new schooner Fish Huttelstone (appearing with
several full-page entries). Associated with this employment on
new ships was work undertaken for two unidentified 'steam
boats' in Fairhaven. In several instances work aboard ship is
associated with undertakings for the members of the
ownership group of the vessel. See Lund, Whaling Masters*
\$1875

17. Saegmuller, George .
**Descriptive Price-List of First-Class
Engineering & Astronomical Instruments**

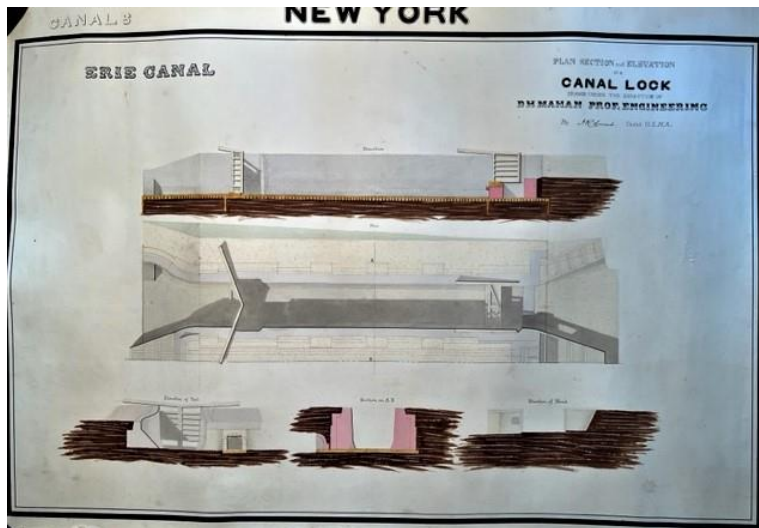
Washington DC: G Saegmuller, 1901.
First Edition. 8vo, 112 pp. The catalog is illustrated throughout.
Good; wrappers are somewhat spotted; corners a bit ruffled;
one signature loose.

Original publisher's cloth backed printed and illustrated wrappers; stapled as issued.

The third catalog issued by Saegmuller but most likely the first to contain his most complex surveying and astronomical wares. Previous listings contained the carry-over instruments of Fauth & Co. that Saegmuller acquired after buying out his partners. His long association with the United States Coast and Geodetic Survey served him well in business and its support permitted the development of many of the high end instruments illustrated in this list. See Fried, "Jour. of the Ant. Telescope Society", 1994.

\$375

18. Smead, J[ohn] R[adcliff] - ERIE CANAL.
New York - Erie Canal: Plan, Section, and Elevation of a Canal Lock Drawn Under the Direction of D H Mahan



[West Point Military Academy]: 1850-1854.

Original watercolor and gouache rendering within a thick black border line, on a sheet measuring appx. 590 x 880 mm.; thick, cream colored, watercolor paper stock. Very good with some faint light spotting (inoffensive).

As accomplished.

A large, appealing, and impressive engineering drawing signed by cadet John Radcliff Smead (class of 1854) who upon graduation went to New Mexico. J R Smead was the son of Raphael Smead who was an instructor in mathematics during 1825/26 at the academy. The elder Smead left to take up duties in the regular army and died of yellow fever in 1848 returning from the Mexican War. D H Mahan (DAB XII, 209-210) was appointed prof. of engineering at West Point in 1832. Mahan had studied for years in France and was, at the time, in possession of the finest engineering education available. His appointment at West Point allowed him to establish and shape the course of instruction for the next half century. At the time of his employ it was his responsibility to educate the cadets in everything that pertained to the study of engineering. Over the course of his career he wrote about a dozen textbooks that became the "bibles" of engineering studies in America. It is not possible to over estimate his impact on the study of the engineering sciences in United States. The watercolor rendering offered here is no doubt the result of a student assignment; executed in an accomplished fashion to a high standard.

\$1,200

19. Pickett, Benjamin Lindley. - ARIZONA
The Construction of the Bartlett Dam.



Urbana, IL: Not Published, 1939. 4to, [12], 205 pp. + numerous mounted original photographs, plans, charts, and maps.

Very good.

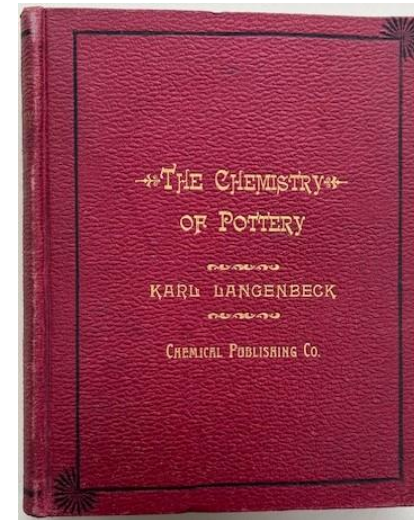
Contemporary linen cloth.

The Bartlett Dam was a multiple arch, reinforced concrete dam erected on the Verde River 36 miles northeast of Phoenix between 1936-1939. It was the highest dam of its type in existence. It was built by the Dept. of the Interior for the Salt River Water Users Association to store flood water of the Verde River to render unnecessary the lowering of the reservoir along the Salt River during growing season. The report covers all facets of construction, supply, and planning for the dam from the initial concrete plant through completion. It is thorough and highly detailed. The construction photographs are especially useful.

\$575

20. Langenbeck, Karl - ROOKWOOD POTTERY.

The Chemistry of Pottery.



Easton, PA: Chemical Publishing Co., 1895.

First (only) Edition. 8vo, [2], vi, [1] - 197, [3 - adverts] pp. + frontispiece and one inserted plate; text illustrations.

Very good.

Original publisher's red pebble grain cloth.

An important book by a founding and key member of the early Rookwood Pottery works. The title page lists him as formerly being the Superintendent of the Rookwood Pottery. Given the status of the Rookwood Pottery in the history of American decorative arts at the end of the nineteenth century this book is virtually unique in the community for its open discussion of clay composition and formulation of glazes. He, along with Mary Louise McLaughlin, were the source of the innovative techniques and glazes produced for Rookwood, whose

founder, Maria L Nichols Storer, hired them both. Mc Laughlin codified a good deal of her work in her publications, e.g., her rare early 96 pp. pamphlet, Pottery Decoration Under the Glaze, published in Cincinnati by Robert Clarke in 1880. Langenbeck was an early associate in the years before she founded the Rookwood Pottery, who provided instruction to Storer in China painting. His role expanded after he was hired and the pottery was succeeding. In those early years Cincinnati was a "hotbed" of ceramic innovation and within a decade spawned a number of competitive enterprises and drew a number of talented beginners into the field, e.g., Artus van Briggel. Langenbeck's work was fundamental to each of these since his approach was through the chemistry of the clay and glazes and subtleties imparted by altered formulae rather than the traditional "mechanical" consideration of working the clay. See Anita Ellis, The Ceramic Career of M. Louise McLaughlin, and her history of the Rookwood Pottery.

\$800

21. Dambach, Christoff.
**Büchsenmeisterei Das ist Kurze doch
eygentliche und gründliche Erklärung deren
Dingen so einem Büchsenmeister fürnemlich
zuwissen von nöthen**

Franckfurt am Mayn: Conrad Cotthoye, 1615.
" ... wider ins Truck aussgangen". Small 4to, [4], 206, [2] pp. + large folding plate of the design of a unique gunner's caliper including five scales and vignette title in red & black accompanied by numerous large, well-executed woodblock text illustrations (some repeat).
Good; some browning and toning; wear to the binding covers; small bit of abrasion to the title page where someone has attempted to erase a signature; p. 40 with an old clean tear (no

loss); p. 205 with the loss of the lower blank fore-corner and one word; joints strained; good margins throughout.
Old manuscript leaf (somewhat abraded) over paste-paper boards - original.

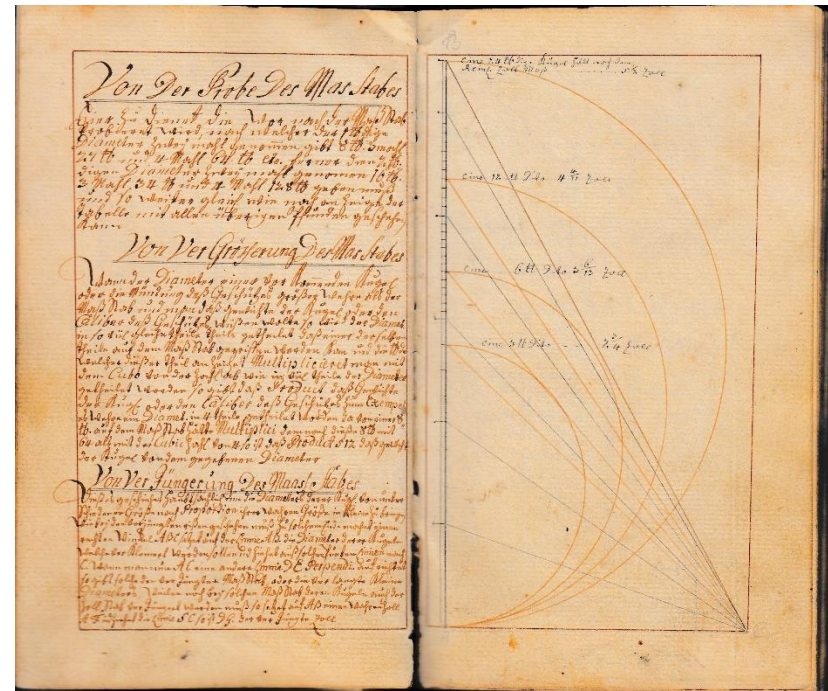
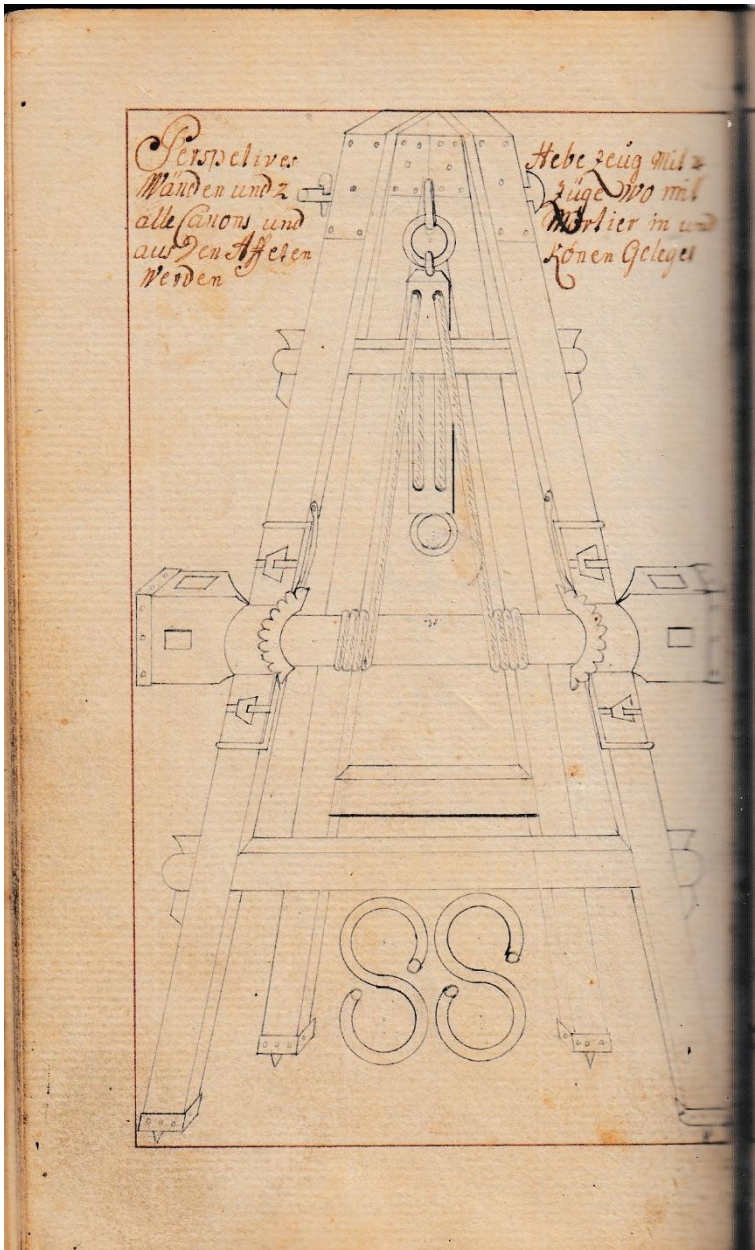
The book is divided into four parts: aiming and directing cannon fire, charging and use of mortars, making shot, and counter-battery fire. The instrument depicted in the folding plate is referred to only as "the instrument" with directions for sighting the weapon and calculating shot-distance-powder for various weights with the scales provided. The book appears to have only this printing recorded and has one location in Europe. The printer's device leaf at the end of the text states that Cotthoye sub-contracted the printing to B Hofmann in Darmstadt. The title indicates that the text of the book was gleaned from a number of published works issued prior to the impression date.

\$975

22. Anon.
**Nöthige Einleitung und Vorbericht zu der
grossen Artilleri [sic] Kunst.**

Early 18th century. 8vo, appx. 260 pp.; handsomely illustrated throughout with detailed, finely rendered ink drawings. Executed in a very clear German Gothic script. What appears to be an ex-libris statement in another (later) hand for Caroli Marquand.
Very good; front endpapers are excised; front hinge cracked. Contemporary stiff vellum wallet binding with a pocket at the rear pastedown.

A complete course of instruction for artillery founded on the technology and weaponry of the period of Friederich Wilhelm (1688 -1740) that is cited in the text by the author. The text goes from ballistic charts, calculations and design of calipers



to gun carriages, shot, auxiliary equipment for servicing the artillery (with an unusual chart(s) on the cost calculations for various calibers of artillery), fortification of batteries, etc. The illustrations reveal a profound knowledge of the technology. An impressive early 18th century military manuscript. \$1,650

23. Vincens, Ernest.
**Journal de Voyage dans les fonderies
 d'Alsace et de Belgique.**

Unknown: Unique manuscript., 1883.

Folio (395 x 250 mm) notebook, appx. 154 pages. With a number of mounted illustrations (some folding, colored) and printed additions.

Very good; the binding is somewhat worn and chipped; one folding illus. is separated at the folds (no loss).

Original half cloth over flexible paper card wrappers.

An impressive report on the work of foundries in Alsace, Diedrich and Niederbroun, and Cockerill in Belgium. The author appears to have been an engineer (parts of the report contain the use of calculus). A good deal of the report is given over to technical details (there is superb "nature-printed" inserted illustration of the grain structure of cast iron utilizing a section of a casting as the printing plate for the full-page illustration) and machinery. The latter covers the most modern equipment, power sources, shaping, forging, production of iron and steel (the Bessemer process is covered). A superb technical report.

\$1,250

24. [Perrault, Charles] - GARDENS.
Labyrinthe de Versailles. The Labyrinth of Versailles. Der Irr-garte zu Versailles. 'tDool-H of tot Versailles.

[Amsterdam]: Nicolaus Visscher, [1682].

Later Printing. 4to, [23], 81, [5], [1] - 79, [9] pp. + 41 full page engraved plates.

Good; some dustiness and spotting; front cover present but detached; text page 53 has an old repaired tear; good margins throughout; old English private collection blind-stamp to the front free endpaper.

19th century three-quarter leather.

Perrault, whose name is synonymous with the labyrinth, actually had nothing to do with its design or implementation. He was, however, responsible for writing the guidebook commissioned by Louis XIV. Labyrinths had been popular features of gardens since the Middle Ages. The contemporary popularity of La Fontaine's verses based on Aesop's fables provided the theme for the decoration of the Labyrinthe. There were 39 fountains in the area covered by the Labyrinthe. The arrangement was such that wherever one found oneself one saw at least three or four of them. Perrault exulted in the design of the fountains and the manner in which they "animated" the characters depicted. More than that, however, were the implied life lessons of each of the depicted tales. Nothing can recreate the experience of the garden but Perrault's illustrated guide offered here is as close to the origin as one gets. See Thompson, The Sun King's Garden, for a good history.

\$975



END