

# OCASSIONAL LIST

## Dials, Perspective, Devices

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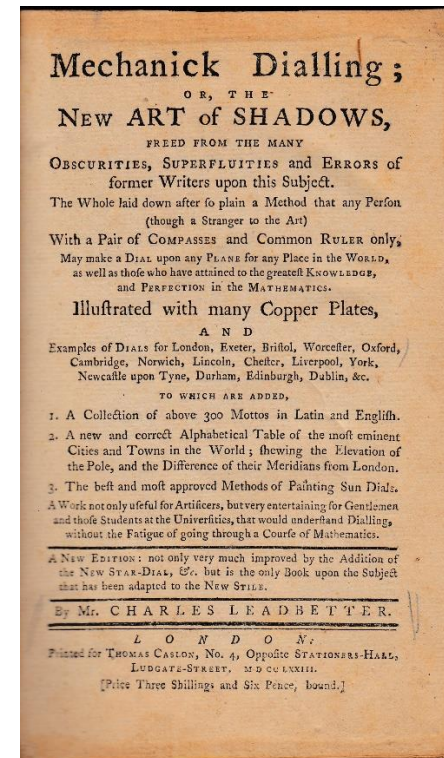
### 1. Jaeger, E R von Jaxtthal - OPHTHALMOLOGY. **Über die Einstellungen des dioptrischen Apparates im menschlichen Auge.**

Vienna: k. k. Hof- und Staatsdruckerei, 1861.  
First Edition. 8vo. There are five lithographic plates of the retina and lens sections; table.  
Good; occasional light dustiness; backstrip reinforced with later paper overlay.  
Original prtd. wrappers.

*An important book. It is Jaeger's observations on his years of study of normal and abnormal eyes and the factors affecting eyesight. There are interesting collateral topics taken up in the text, e.g., the chemical composition of the liquids bathing the eyeball etc. It precedes Helmholtz and Donders (who acknowledged Jaeger as a major source). Jaeger's book is filled with many original and important observations (Lesky) for*

*new borns and adults. He modified and advanced the science of ophthalmoscopy and its instrumentation (Gorin) to complete the research for the book. The illustrations in the book are reminiscent of the fine work in Pagenstecher's atlas issued years later. Becker #205; see Hirsch; Gorin; Lesky. \$400*

### 2. Leadbetter, Charles. **Mechanick Dialling; or, the new art of shadows ... improved by the addition of a new star dial ....**



London: T Caslon, 1773.  
Fourth Edition. 8vo, xi, [1 - advert], [1] -148 pp. + 13 engraved plates of dials and designs for laying them out.  
Very good with some overall toning; spine chipped and rebacked.  
Full contemporary calf.

*A comprehensive book by an excise officer who conducted polemics in the press of the day and published several technical astronomical books. The book offered here is one of the most straight forward manuals on a complex topic that I have encountered. Leadbetter provides instruction for setting and laying out the hour lines etc. for various forms of equinoctial dials, spheres, and dials of various shapes. There are also sections for laying out scales and designing quadrants. There are tables of latitude for the main cities of the world and for England. Accompanying the technical portions of the text are instructions for painting the faces of dials, preparations of oils for, "... laying on colours upon Dials", ingredients of those colors, gold-leaf, and finally the painting of timber work. Wallis p. 86.* \$475

### 3. Delambre, J B J - MATHEMATICS. **Rapport Historique sur les Progrès des Sciences Mathématiques depuis 1789**

....

Paris: Imp. Imperiale, 1810.  
First Edition. 4to, [8], 272 pp.  
Very good; front wrapper detached; first signature loose; spine abraded; unopened.  
Original paper wrappers.

*Delambre's summary of the progress of mathematics, astronomy, algebra, geometry and mechanics through the 18th century. An excellent contemporary synopsis. See DSB; see Norman #1481.* \$350

### 4. Feilitzsch, [F C] Frhr. v - ASTRONOMY.

### **Optische Untersuchungen veranlässt durch die totale Sonnenfinsterniss des 28 Juli 1851.**

Greifswald: C A Koch, 1852.  
First Edition. 8vo. There are 3 plates; one with three color flaps.  
Good in worn wrappers.  
Original green publisher's printed. wrappers.

*A most interesting pamphlet that examines the optical phenomena that accompany a total eclipse. The author's interest was piqued by several reports of colors in the corona or the appearance of color flashes immediately preceding the end of the eclipse. He states in the introduction that he feels that current explanations of these things is inadequate and cannot be explained by astronomical means. They require the application of the laws of physics and the wave theory light. Then in a startling assertion he notes that light rays passing the moon are bent (!), i.e., must be bent. Why? Because he requires that they be to explain the color phenomena on the basis of interference of light rays. There is no proof of this assertion given (a pity). An important and almost great piece of scientific astronomy. Poggendorff I, 730.* \$350

## 5. De Morgan, A. **An Explanation of the Gnomonic Projection of the Sphere ... Maps of the Stars ... of the Earth.**

London: Baldwin & Cradock, 1836.  
First Edition. 8vo, [4], 126, [2 - adverts], [8 - inserted adverts]  
pp.  
Very good.  
Contemporary binder's cloth.

*One of De Morgan's earliest books. The book is a detailed explanation of the relation between projections in general and the surface of the sphere which they represent. There is also an important appendix to the text explaining the origin of Herschel's catalogue of double stars and the ingenious measuring device he developed to accurately gauge astronomical distances while viewing through a telescope.*

\$250

## 6. [Wallace, W] - GEOMETRY. **Geometry.**

[Edinburgh]: 1816. OFFPRINT. 4to. There are 5 plates.  
Very good. front cover detached; small inoffensive inst. stamp  
on the front board.  
Original paper backed boards.

*Wallace was the author of this article on geometry for the Edinburgh Encyclopaedia. The complete article (retaining the pagination) and the five plates accompanying it was offprinted. Wallace inscribed this copy twice. On the front cover in*

*Wallace's hand it states : Mr. Rigaud / Sav. Prof. Geometry / Oxford / May 1816. On the upper margin of the first text page Wallace again insc. it : From the Edinburgh Encyclopaedia / to Mr. Rigaud / From Mr. Wallace. The recipient was Stephen P Rigaud who was appointed Savillian professor of geometry in 1810 and in 1827 succeeded A Robertson as Radcliffe observer and Savilian prof. of astronomy. Rigaud is best known for his work on Newton's Principia ..... See DSB for Wallace; see DNB for Rigaud.*

\$175

## 7. 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 half-tone 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

8. Eckert, M - CARTOGRAPHY.  
**Die Kartenwissenschaft Forschungen  
und Grundlagen zu einer Kartographie  
als Wissenschaft**, 2 vols.

Berlin: Verein. Wissen. Verleger, 1921/25.  
First Edition. 4to. There are illustrations, plates, and maps  
throughout.  
Very good; hinges somewhat strained because of the weight  
of the text and flimsy binding.  
Original publisher's cloth backed boards.

*Eckert is the originator of the "Eckert equal area projection of  
the sphere" one of the means by which the globe can be  
projected on to a flat surface. The book offered here is a  
product of such prodigious learning and scholarship as to  
almost defy description. It is simply the best book ever  
published on the origin and nature of scientific cartography.  
Chamberlain, 102.* \$400

9. Alison, A.  
**Essays on the Nature and Principles of  
Taste**.

Boston: Cummings & Hilliard, 1812.  
First American Edition. 8vo.  
Very good; crisp copy; small chip to the head of the spine.  
Full contemporary calf.

*One of the minor classics of the philosophy of aesthetics  
published at the end of the 18th century. It was constantly in*

*print throughout the early 19th century. In addition to  
philosophy the author also devotes himself to questions of  
color, form, and composition. S & S #24584; see DNB I, 286-7.*  
\$100

10. Aznar de Polanco, J C - WRITING  
MANUAL.  
**Arte Nuevo de Escribir por Preceptos  
Geometricos y Reglas Mathematicas**.

[Madrid]: [M R de Murga], [1719].  
First Edition, second state - plates numbered. 4to. There is an  
engraved title, frontispiece (with four saints), engraved portrait,  
and 39 engraved plates.  
Good; old gall ink stain to p.74 has resulted in the loss of a few  
letters; some margins close (but complete); binding worn; text  
block beginning to split.  
Contemporary limp vellum.

*A sought after book in which the author departs from usual  
forms of calligraphic art and presents it as a geometrical  
science. It is the first Spanish writing manual listed in the Hofer  
catalog. Harvard has two copies, both defective. The copy  
offered here is, according to Palau, Hofer, and others,  
complete with the maximum number of plates. Palau suggests  
that early issues of the book may have fewer plates. The  
author was an orphan (born in 1663) raised by the  
schoolmaster of his native town (Mostoles). He was to become  
famous as a creative and inventive (and favored) member of  
the court as well as a didactic writer on art, a mathematician,  
architect, and instructor of fencing. An impressive work with  
plates illustrating the laying out of dials and the mathematical  
basis for various letter forms. This resulted in a lengthy and*



detailed text that is most uncommon for this kind of book. The engraving throughout is elaborate and elegant. Only one plate is signed by the engraver Juan Bernabe Palomino; Cotarelo assigns all the engraving to him. The state results from the fact that the plates are numbered consecutively - Harvard has a defective copy without the numbering. What is of special interest is the crucial significance (see Corbeto) of such books and especially Aznar de Polanco on the early development of punchcutting in Spain during the formative mid-eighteenth century. The in depth analysis of the 'etra grifa' - a cursive type - is directly attributed to Aznar de Polanco. Hofer Coll., # 137; Palau # 21133; Cotarelo y Mori I, pp. 134 - '40; see Corbeto, *The Library*, v. 10, #3, esp. pp. 286 - 289.

\$2,500

## 11. Boehm, A - MILITARY - SURVEYING.

### Grundliche Anleitung zur Messkunst auf dem Felde, samt zweyen Anhängen

....

Frankfurt & Leipzig: H L Broenner, 1759.

First Edition. 4to. [16], 1 - 304 [312 correct] pp. + 24 engraved plates.

Very good with spotting throughout.

Full contemporary calf, raised bands.

Boehm was a professor of mathematics at the Univ. of Giessen. The book offered here is handbook and manual for surveying accompanied by two appendices that are devoted to surveying over water and underground or mine surveying tailored to special needs, e.g., driving air shafts. The latter subjects are appended to the text as they pertain to a

*complete understanding of the science of surveying and were of particular practical use. Boehm's other published books are all in the field of military science (artillery etc.) and his comments in the Messkunst associate it with his other published work. He appears to have been particularly well informed on the literature of the subject (that includes French publications) and technically quite adept. He offers suggestions on the construction of special use instruments and apologizes for the omission of any mention of certain kinds of instruments by explaining that they were inaccurate and of little use. In all an excellent treatise on surveying and map making. Poggendorff I, 222.*

\$1,850

## 12. E Dietzgen Co. **Use and Care of Drawing Instruments.**

New York: Dietzgen, 1930.  
Edition Unknown. 8vo. It is illus. throughout.  
Fine.  
Original. printed wrappers.

*A manual of care and also a trade catalog for parts and supplies.*

\$45

## 13. Haskoll, W. **The Practice of Engineering Field Work Applied to Land, Hydrographic, and Hydraulic Surveying ....**

London: Atchley and Co., 1858.

First Edition. 8vo, vii, [1], [1] - 324, + 35 plates and diagrams. There is also an inserted 8 pp. priced catalog for Elliott Brothers instrument makers.

Good; some light damp staining to the margins and bit of mildew stain on the rear cover; one diagram with a tear (no loss); unopened.

Original publisher's cloth.

*A valuable technical guide to advanced methods of surveying in all fields. There are excellent illustrations of instruments and their use.*

\$245

## 14. Fechner, G T - VISION - EYE. **Über einige verhältnisse des binocularen Sehens.**

Leipzig: Hirzel, 1860. OFFPRINT. 4to, [2], [339] - 563, [1] pagination. There are text illustrations.  
Fine copy; as new; unopened.  
Original publisher's printed wrappers.

*A lengthy offprint retaining the pagination. A important study of the phenomena of binocular vision and the discovery of what has become known as Fechner's Paradox, i.e., the diminution of the brightness recorded in the retina of one eye through sympathetic response with the other eye. The author also discusses color vision and sensitivity. This lengthy research paper was published the same year as the author's well known Psychophysik (G-M #4972). In both the aim is to quantify sense phenomena and explain them from the mathematical standpoint. Fechner was a keen investigator and raised many intriguing questions, e.g., the identity of the retinas of two eyes, border phenomena of vision etc. . Absent from Becker; see Boring and DSB for lengthy entries.*

\$300

15. Shuckburgh, G A - RAMSDEN -  
INSTRUMENT - ASTRONOMY.  
**An Account of the Equatorial  
Instrument.**

London: Phil. Trans., [1793]. OFFPRINT. 4to, [2], [3] - 64 pp +  
3 folding tables and 6 large folding plates.  
Very good; some occasional spotting; front upper fore corner  
of wrapper reinforced; backstrip worn; wrappers chipped at the  
extremities; ownership stamp on the title.  
Original blue paper wrappers.



*The original offprint illustrating and explaining the design of the great Ramsden equatorial. The instrument and work described herein was the culmination of a life's work and experience. Commencing with the publication of his Description of a New Universal Equatorial Instrument in 1774 Ramsden embarked upon an unprecedented career. He was elected a Fellow of the Royal Society in 1786 and winner of the Copley Medal ( for, '... various inventions and improvements in philosophical instruments.' ) in 1795. The quadrant described herein was constructed for George Shuckburgh's private observatory. The description of the device is lengthy (over 60 pages) and is accompanied by generous fold-out illustrations. Ramsden's workshop completed the commission to the delight of Shuckburgh who wrote: ' ... I am entitled to believe that the accuracy of these divisions under consideration is hardly to be equalled, and still less to be excelled, by that of any astronomical instrument in Europe ....' Schuckburgh presented this copy to a contemporary member of the Royal Society, Charles Englefield, scientist and mathematician. Dumas illustrates the instrument (plate 96) in his discussion Ramsden and astronomical instrumentation. Dumas, p. 170; King, Telescope, p. 171; DSB II, 284 - '5; Bennett, Divided Circle; see McConnell's book on Ramsden. \$8,500*

16. Thon, Christian Friedrich Gottlieb -  
DECORATIVE ARTS.  
**Vollständige Anleitung zur Lackirkunst,  
oder: genaue, richtig ... und  
nothwendiges ... Handbuch für  
Technologen ... Ebenisten ....**

Ilmenau: B F Voight, 1825.  
Third Enlarged & Revised edition. 8vo, xxviii, [1] - 737, [3 -  
errata] pp.  
Good with some wear to the binding; spotted and toned  
throughout. Contemporary paste paper boards.

*An invaluable reference for varnishes, lacquer work, color and  
its application to metals, glass, paper, leather, canvas, woods,  
stone etc.. The author was also responsible for a number of  
other craft and technology guides, e.g., his two-volume work  
on bookbinding. The book offered here covers all aspects of  
the problems of fixing colors and finishes to all kinds of  
surfaces. It also includes recipes and notes on polishing and  
preparing surfaces. Engelmann citing only this third edition; no  
printings in American holdings in OCLC.* \$675

## 17. Penther, J F. **Praxis Geometriae .... - WITH - Zugabe Zur Praxi-Geometriae ....**

Augsburg: J M Probst, Kunst-Haendler .., 1761.  
Sixth Edition. Enlarged. Small. folio. There is an allegorical  
frontis. and 39 plates.  
Good, some toning and occ. spotting; boards loose; backstrip  
abraded; institutional blind stamp on title.  
Original paste paper boards.

*Penther's influential book is here extended and enlarged  
incorporating new sections on projective geometry. A striking  
vignette has been added to the title of the Zugabe that  
features a case of surveying instruments against a view of the  
city of Augsburg. The book was intended for practical  
instruction and is not to be considered in the same manner as  
theoretical works in mathematics (see Deut. Mus. catalog*

*listing)* . As such it was a fundamental work and essential  
reference for cartography, engineering, and architecture during  
the 18th century. See Berlin #1734; Pogg. II, 399 - 400; see  
numerous ref's. in Schutte, Architekt und Ingenieur \$1,000

## 18. Marteau, F J - DECORATIVE ARTS. **18th century bronze portrait medallion by the French goldsmith Francois Joseph Marteau.**

Paris: F J Marteau, 1730. Only impression. Medal.  
Very good; as issued.

*A cast circular ( 59 mm dia.) bronze portrait medal by the  
French goldsmith F J Marteau (1720 - 1759). The portrait  
profile of the subject, M de Polignac (1661 - 1742), is recto  
with Marteau's name at the lower extremity of the image.  
Verso is a well modelled image of King David seated with a  
harp and singing as an angel presents an open book. This all  
below the motto: Docebo Iniquos Vias Tuas ( I will teach the  
iniquitous your ways ). Marteau had engraved a series of  
medals for Louis XIV and XV. He also commemorated the  
French Arctic expedition in 1744. He bore the title, 'marchand  
orfevre et graveur de medailles du Roi'. Various gold designs,  
boxes and etui are in the Walters, Rijksmuseum etc. See  
Sargentson, Merchants and Luxury Markets.* \$350

## 19. Le Brun / Bosse / Böckler [ed.] - **ETCHING & PRINT MAKING Sammelband.**



**Dess Welt-berühmten Herrn Le Brun ... Entwurff Wie die Künstler die Affecten der Menschen exprimiren sollen .... - BOUND WITH - Radier - Büchlein Handelt von der Etzkunst Nemlich: Wie man mit Scheidwasser in Kupfer etzen/ das Wasser/ wie auch den harten und weichen Etzgrund mache solle ... durch Abraham Bosse ... beschrieben ... und vermehret ... durch Georg Andream Böcklern.**

Augspurg / Nurnberg: Kroniger und Goebels / Paul Fuersten, 1704 / 1689.

First German / Second German Edition with the Boeckler amendments. 8vo, I - [10], 40pp. + 43 plates; II - [20], 201, [7] pp. + frontispiece & 18 plates & 2 text illustrations.

Very good; four leaves closely trimmed (no loss); some overall toning. The plates in the Le Brun have ms. pencil Italian translations of the German titles.

Full contemporary blind stamped pigskin.

*Two essential French print treatises of the 17th century that are here offered in their German translations incorporating important additions to the text. In the case of the Bosse there are two major subsections of the text by Boeckler on the painting of royalty and another section on paint and color in heraldry and a discussion of etching techniques in rendering drawings. The Le Bron and Bosse **are accompanied by a third individual work bound in, that is missing its frontispiece***

*but is otherwise complete. It is Willhelm Goeree's Anweisung Zu der Practic oder Handlung der allgemeinen Mahler Kunst ...., Hamburg, 1678 translated by Johann Langen. This has two large subsections devoted to the use of watercolor for illustration of all kinds (124 pp.) and drawing, in all facets of the fine arts (152 pp.) wherein the editor touts that the text has been enlarged by 50%. In all a massive anthology including Boeckler's especially useful additions on etching and print making with numerous illustrations very much of the 'how to' variety. All three tracts were published by booksellers. \$2,800*

**20. Ambronn, L[eopold] - ASTRONOMICAL INSTRUMENTATION. Handbuch der Astronomischen Instrumentenkunde, 2 vols.**

Berlin: J Springer, 1899.

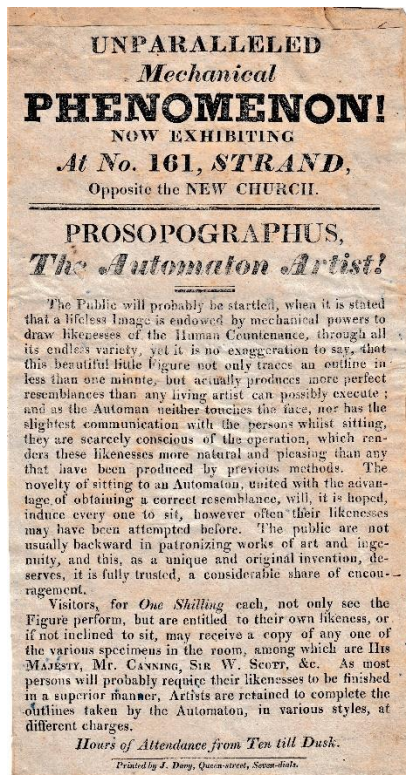
First Edition. 4to, I - x, 500; II - viii, 501 - 1276 pp. Text illustrations throughout.

Very good; x-library copy with a prominent release stamp to the front free endpaper of both volumes; number at the base of the title pages and a small stamp on the verso of the title page; otherwise clean, tight, and bright throughout.

Original publisher's green cloth.

*A landmark work in the history of instrumentation, theory, and design. Volume one is devoted to the examination of accessory parts - levels, clocks, axes and circles, mirrors, eye-pieces etc. Older forms are treated at length providing a superb overview of their historical development. Volume two is devoted to complete instruments utilized in observatories. The emphasis is on German makers and does lead to some glaring omissions, e.g., the failure to mention Dent in the clock section. The book is an essential reference.* \$1250

21. Anon. - SILHOUETTES -  
 MINIATURES - LIKENESSES.  
**Unparalleled Mechanical Phenomenon!**  
**... Prosopographus, The Automaton**  
**Artist - OFFERED WITH - ... Exact Likeness, A**  
**Frame and Glass Included ,, By Messrs.**  
**Percival & Lowe ....**



[London]: ca1830. J Davy, Queen-street, Seven-Dials / M'Mullen, Rinier, Exchequer-st. [Ireland?]. Handbills, measuring appx. 225 x 115 and 275 x 110 mm.

Good; old folds; some overall toning; the Automaton is mounted (blank margins cut down a bit) on what appears to be a portion of a blank sheet from a 19th century album; the Percival & Lowe handbill is as issued. As found.

*Two unlikely survivals from the period of Canning's government. The Automaton appears to have been some variant of a camera lucida (first patented in 1806 by William Wollaston - the basic principles of the device, however, were first delineated by Kepler in his Dioptrice, 1611) because at the end of the text it is stated: "... Artists are retained to complete the outlines taken by the Automaton, in various styles ...." The Percival & Lowe is illustrated with a profile silhouette and advertises 'miniatures' at a modest fee. Their handbill touts their recent accomplishments and success in Dublin, Cork, and Limerick. No locations.*

\$975

22. Weidler, Johann Friedrich - MINING.  
**Anleitung zur unterirdischen Mess-**  
**oder Markscheidekunst ....**

Vienna: Johann Thomas Edlen von Trattner, 1765.

First German Edition. 8vo, 117, [1] pp. + 4 folding plates.

Good; some toning and spotting; overall wear and chafing of the joints.

Contemporary three-quarter leather.

*Weidler was prof. of mathematics at Wittenberg, The book offered here is a German translation - issued posthumously -*

of a work he originally published in Latin. It is an introduction to the complexities of mine surveying. Poggendorff II, 1281. \$325

23. Anon.  
**Manual of Surveying Instructions for the Survey of Public Lands of the United States ....**

Washington DC: GPO, 1902.  
First Edition. 8vo, [4], [5] - 203, [1] pp + 8 very large folding plates.  
Very good; some rubbing to the cloth.  
Original publisher's cloth.

*A highly detailed instruction manual for the survey of American public lands; including a history of the development of the instructions from the time of Jefferson forward to the publication date. Included are three specimen samples of surveying field notes for Montana undertaken by Richard Roods and then Robert Acres in 1890 and 1893. The large folding plates are in excellent condition overall.* \$300

24. Polygraph Company (E M Goldsmith & Co. Props).  
**The Polygraph.**

Philadelphia: Polygraph Company, ca1885.  
Original lithographed square tin container, instruction pamphlet, and metal device.  
Good with some abrasion to the tin box; separation of pages in the instruction booklet; minor occasional damp stain.

As issued.

*The patent for the device was granted in Dec. 1885 (Patent #332148). The patent holders were E Goldsmith and E Reizenstein. The description given for it was: "Device for laying off geometric figures." There may have been two versions manufactured; the more substantial being the heavy gauge, stamped, metal device offered here.* \$325



END