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(#27)

PALINURUS ANTIQUARIAN BOOKS

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jh@palinurusbooks.com

1. Scaccia, Sigismund.

Tractatus de commerciis et cambio Rome: Jacob Mascardi, 1619.

First Edition. Small folio. [8], 755, [1], [123] pp. Good with browning and spotting throughout; hip notes of 6 pages are partially trimmed; paper flaw at the corner of p. 283 just touching the numeral. Contemporary limp vellum.

One of the earliest Italian treatises codifying the radical economic changes taking place in what has now been seen as the formative period of modern banking and economic theory. The overthrow of scholastic ideas in relation to money, credit and value are due to classic (Cossa) books like Scaccia's offered here. Scaccia provides a clear picture of the commercial world and an explanation as to prevailing concepts of value and price. The book supports the new liberal ideas of the period and justification for innovative credit and commercial operations of economic utility. Old Palgrave III, p. 360; see Cossa; absent from Einaudi; Kress, Italian, only later ed.

\$700

2. [Lowndes, William].

A Report Containing an Essay for the Amendment of the Silver Coins. London: Printed by Charles Bell, 1695.

First Edition. 8vo. [2], 3 - 159, [1] pp. Good with some occasional soiling. Disbound.

Lowndes was secretary of the treasury when he published the results of his investigation into the state currency in England. Palgrave cites it as an important report. In it Lowndes repudiated any step that would have debased the currency. To stabilize the currency he suggested that all silver coin denominations be raised by 25%; he also maintained that since the price of silver had risen the measures he recommended would stop the melting of coin and encourage bullion to come to the mint. There is a good analysis of the mint and its history in the text. Wing, L-3323; Palgrave II, 646-'47.

\$425

3. Trotter, A.

Observations on the Financial Position and Credit of such States of the North American Union as have Contracted Public Debts London: Longman, Orme, 1839.

First Edition. 8vo. A large color outlined folding map. Very good. Original publisher's cloth.

An unusual economics monograph in that it treats the specific impact of public debt contracted by the states. Trotter provides a detailed account of the issues of the central bank and state banking structure in addition to an informed commentary on the economic and industrial infrastructure of each state. A most informative and important book. Kress C-5026.

\$450

4. Jacobi, C G J - MATHEMATICS.

Disquisitiones Analyticae de Fractionibus Simplicibus. Berlin: F A Herbig, 1825.

First Edition. 4to. A good copy with some overall toning; pencil underlining on title. Original marbled wrappers.

Jacobi's dissertation and first published work. The work he is best known for is his independent derivation and investigation of elliptic functions and its notation. He and Abel were coincident in their investigations and discoveries. DSB VII, 51 - 55; Ball, pp. 327 - ' 39. \$800

5. Kater, H - OPTICS - INSTRUMENTS.

A Description of a Vertical Floating Collimator; and an account of its application to astronomical observations London: R Taylor, 1828.

OFFPRINT. 4to. There are 2 steel engraved plates. Very good. Original plain blue wrappers.

This a separately issued offprint retaining the original pagination. Kater was a member of the Royal Engineers. He devised and built a number of geodetic instruments for the accurate determination of the longitude and acceleration of gravity (see Turner). But his most important contribution to scientific instrumentation is the device described in this offprint. The collimator permitted the alignment of a telescope attached to a circle in any position of the instrument with negligible error. See Lenzen & Multhauf on Kater's instruments. \$500

6. D'Arcy, H - HYDRAULICS.

Recherches experimentales relatives au mouvement de l'eau dans les tuyaux. Paris: Mallet-Bachelier, 1857. First Edition. 4to. & Folio atlas of 12 lithographic plates. The text is rebaked; institutional blind stamp on title; folio in original wrapper (rear wrapper wanting) with stamp and institutional bookplate - NO other accessioning. Text is bound in half leather; folio is boxed.

One of the great experimental and theoretical works of hydraulics of the 19th century. D'Arcy's contributions lay in the conclusive demonstration that resistance to fluid flow depended upon the type and condition of the boundary material. An important theoretical work. See Rouse pp. 169 - 173; Roberts, p. 86; Tokaty, p. 93. \$1,750

7. [Rulie, P / Gouttes, J-L / Turgot, A R] - MONEY.

Théorie de l'intérêt de l'argent Paris: Barrois, 1780.

First Edition. 12mo. Near fine copy. Full contemporary calf.

The book was originally written by the Abbe Rulie but then considerably revised and enlarged before publication by Abbe Gouttes and the Minister of Finance (1774-'76) Turgot who was one of the great economists of the 18th century. The book is a summary of the historical debate of the controversy surrounding interest on money. The author's vigorously support the principle of interest on loans. Chapter XI is devoted to the relationship between money and commerce stating that commercial activity could not exist or expand without interest bearing loans. Kress, B-319; Einaudi # 2667. \$725

8. Bryant, H B & Stratton, H B.

Bryant & Stratton's Counting House Book Keeping ... the science of accounts ... in ... merchandising ... banking, exchanges, stock brokerage. New York: Ivison, Blakeman, Taylor, [1863].

First Edition. Large 8vo. Very good. Original publisher's cloth.

The standard commercial accounting guide offering many special case examples not found in the personal accounting literature of the period. LICA Cat. p. 150. \$175

9. Amici, G B - OPTICS - ASTRONOMY.

Descrizione d'un nuovo micrometro. Verona: Mainardi, 1816.

OFFPRINT. 4to. One folding copper engraved plate. [2] 3-18 [2-{blank with errata pasted to it}]; plate. There is a hand written presentation on the front wrapper to the physicist G B Venturi (noted for his work in hydraulics). Very good with some small marginal tide marks. Original grey wrappers.

The presentation is to Venturi who was a prof. of physics at Pavia and well known for his work in hydraulics and optics. The paper is Amici's theoretical work on the improvement of the accuracy of astronomical micrometers used in conjunction with the Herschel telescope. He does cite the work of Ramsden, Dollond, and Maskelyne. The errata slip has autograph corrections. Houzeau/Lancaster II - 938 - citing only the journal appearance; DSB I, 135 - 136. \$3,000

10. Wallace, W.

Investigation of Formulae for Finding Logarithms of Trigonometrical Quantities from one Another Edinburgh: P Neill, 1823.

OFFPRINT. 4to. Very good. Disbound.

Wallace was Leslie's successor to the chair of mathematics at Edinburgh. He was also responsible for the erection of the observatory at Calton Hill as well as the invention of two 'calculating' devices, the eidograph and chorograph. See DNB. \$275

11. Laplace, [P S].

Essai Philosophique sur les Probabilites. Paris: V Courcier, 1814.

Second Enlarged Edition. 8vo. Fine with some occasional spotty foxing. Original pink marbled wrappers.

This Essai is the the separately issued introduction to the second edition of Laplace's, Theorie Analytique ... first published in 1812 and appearing with the important supplements and addenda as the second edition in 1814. Laplace's biographer in the DSB notes that this book has had a longer life and greater readership than any other work by the author. ' The reason for its continuing - indeed, its growing - success has clearly been the importance that probability, statistics, and stochastic analysis have increasingly assumed in science, social science Inevitably, Laplace's technical writings have come to have the same sort of relation to the later development of the discipline of probability that, for example Newton's Principia had to the later science of mechanics. ' DSB XV, 374; see Stigler for citations. \$575

12. Holditch, H - MECHANICS.

On Rolling Curves. Cambridge: Trans. Cam. Phil. Soc., 1839.

OFFPRINT. 4to. Three lithographic plates of these curves and trains. Very good; some age toning. Disbound.

A thorough explanation of a class of curves described by Euler in the fifth volume of the Acta Peteropolana which, when caused to turn around fixed centers, have the property of communicating motion without friction (only in a perfect system). Euler's analysis was cursory and he abandoned the topic. Holditch takes up the issue and follows the investigation to a point where he provides actual diagrams of such curves. The practical application, because of the corollary property of altering uniform rotation into continually varying angular velocity, had a profound impact on the design of machinery used in silk weaving and printing where this specific property is desirable. An important paper. \$250

13. Leslie, J.

An Experimental Inquiry into the Nature, and Propagation, of Heat. London: J Mawman, 1804.

First Edition. 8vo. There are nine engraved plates. Very good with some wear to the spine; faint tide mark to corners of the frontispiece. Original paper backed boards.

An important work in the history of thermodynamics that established several fundamental laws of heat radiation, i.e., that the emissivity and absorptivity for any surface are equal; that the emissivity of a surface increases with the increase in reflectivity; that the intensity of heat radiated from a surface is proportional to the sine of the angles of the rays to the surface. He was also able to distinguish between conduction and radiation of heat. Leslie's research and this book also played an important role in the early nineteenth century debate about whether heat was a form of motion or matter. In chapter 19 Leslie describes some of the apparatus, notably a photometer, that he used in his experiments (two distinct types are illus.). He appears to have been a particularly adept designer of experiments and apparatus. DSB VIII, 261 - 262 ; Cardwell, Watt to Clausius, pp. 107 - 112; Roberts p. 203. \$700

14. Jones, B M & Griffiths, J C.

Aerial Surveying by Rapid Methods. Cambridge: University Press, 1925.

First Edition. 4to. There are illus. throughout with a pocket containing sheet maps. 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. \$200

15. Groth, P - CRYSTALLOGRAPHY.

Physikalische Krystallographie. Leipzig: W Engelmann, 1885.

Second Enlarged Edition. 8vo. One color folding plate. Very good, some wear to the spine. Contemporary half leather over marbled boards. .

Groth was prof. of mineralogy at Munich and keeper of the Bavarian State Collection. He published numerous articles and several editions of the work offered here. His most important work is in explaining the connections between chemical composition of minerals and their crystal structure. The book offered here are his lectures on the subject supplemented by an

excellent section on the theory and use of various scientific instruments (goniometers etc.) used in mineralogical research. DSB V, 556 - 558. \$300

16. Spooner, L.

A New System of Paper Currency. Boston: A Williams & Co., 1861.

First Edition. 8vo. Good; rear wrapper missing. Original printed wrapper.

Spooner's plan for mortgage stock banking company and the issuance of money backed by its real estate. An intriguing pamphlet with many cogent comments on the nature of money and banking. \$400

17. Boehm, A - MILITARY - SURVEYING.

Grundliche Anleitung zur Messkunst auf dem Felde, samt zweyen Anhangen Frankfurt & Leipzig: H L Broenner, 1759.

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

18. [Holbrook, C] ASTRONOMY.

Teacher's Manual Explaining the Use of Chas. W. Holbrook's Lunar Tellurian. Hartford: Printed for the Author, [1888].

First Edition. 8vo. Text illustrations throughout. Very good with some occasional spotting; rear cover with some discoloration to the cloth. Original publisher's cloth.

Holbrook manufactured and sold a globe and this lunar model. He succeeded his father Dwight in the business of manufacturing school apparatus. The tellurian described in this book was patented by Charles in 1887. Though the book describes an 8 inch globe none are known to exist. The manual explains the motions of the earth and moon, seasons etc.. See Rittenhouse, II, # 3, pp. 96 - 98; Rittenhouse I, # 1, pp. 3 - 6.

\$200

19. Skinner, E B. T

The Mathematical Theory of Investment. Boston: Ginn and Company, 1913.

First Edition. 8vo. Very good. Original publisher's cloth.

An early work on the application of advanced mathematics to financial problems. The third section of the book is given over to probability applied to insurance and annuities. The second section addresses problems of bond valuation, building and loan associations, and issues of depreciation. \$150

20. Thomson, W Sir [Lord Kelvin] - ENGINEERING.

Elasticity. Edinburgh: Adam and Charles Black, 1878.

OFFPRINT. 4to. Text illustrations. Very good; hinges strained. Original publisher's cloth.

A fundamental statement of the basic laws of mechanics of solids and theory of elastic deformation. This was considered to be the best explanation of the subject in the English language. Roberts Cat. p. 182; Todhunter & Pearson, II/2, pp. 436 - 451.

\$275

21. Simms, F W.

A Treatise on the Principal Mathematical Instruments Employed in Surveying ...

Astronomy ... their Construction, Adjustment, and Use Baltimore: F Lucas, [1836].

First American Edition. 8vo. Text illustrations. Very good. Original publisher's cloth backed boards.

Simms' book is one of the very few technically sophisticated and accurate instrument books available in post-colonial America. The instruments discussed are all of English design. This printing has the advantage of containing editorial notes and amendments by J H Alexander. Simms was an English instrument maker whose shop was the successor to Benjamin Cole and John Troughton. A difficult book to find in original condition. \$175

22. Javan, A, Bennett Jr., W & Herriott, D - LASER.

Population Inversion and Continuous Optical Maser Oscillation in a Gas Discharge Containing a He-Ne Mixture. Murray Hill [NJ]: Bell Tel. System Tech. Pub., 1961.

OFFPRINT. 4to. There are diagrams throughout. A very good copy. Original printed wrappers.

The announcement of the successful construction and operation of the first continuous-wave gas maser, i.e., a gas laser. This Bell Tel. publication (# 4326) follows the initial account in the Physical Review Letters of Feb. 1961. \$250

23. [Wingate, E].

Logarithmotechnia or The Construction and Use of the Logarithmetical Tables -

BOUND WITH - A Logarithmetical Table London: Miles Flesher, 1648. Third [Second] English Ed. 12mo. There are text illustrations [8], 135, [1], [156], [38] pp.. Very good; rebaked at some time in the 20th century; good margins throughout. Full contemporary calf.

Wingate's early and rare tract on logarithms bound with his table and a supplement by Cuslon for navigational observations to determine distance in latitude from port of departure. The tract is identified as being the third edition, fully corrected by the author. Copies located all appear to lack the table (except the copy at MU) present here. The table, first printed with a French title and prelims. because of Wingate's residence in that country, is noted as being rare by Henderson. It was originally published in 1625; re-issued in 1626 enlarged by the addition of

sines and tangents and then in English the same year. A corrected edition was issued in English in 1635. It is this corrected table with an English fly title dated 1635 and no printer identified that is bound in here. It appears to have been re-set and corrected once again given the variant signing of the first two signatures of this copy when compared with the on-line record of the BL and the fact that the errata of the orig. 1635 is not present. One assumes there would have been more errors located and the original identified errors corrected requiring some re-setting of type. The tract and table are bound with an additional set of tables entitled 'Certain Useful Tables' This is cited in Wing ('72) as a separate title entry (but without entry number) but is dropped in the '94 revision. The author citation is to a Phinehas Cuslon (or Cosby as the title has it) who apparently prepared these tables: proportional parts and tables of declination of the sun. These are dated 1660 and printed in London, '... for Ph. Stevens, at the Golden Lion in S. Pauls Church-yard'. The chief interest of the volume is historical; rare in trade. Purchase of this volume is accompanied by a bottle of champagne for reading the description. Wing # 3018A (1972 ed.) & STC # 25851. \$4,250

24. GERMAN INSTRUMENTS OF PRECISION.

Physiology testing apparatus - instrument catalogs. Various places: var. publishers, ca 1890. First Editions. 8vo. All are illustrated. There is some occ. chipping and separation of wrappers; otherwise very good. Original printed wrappers.

A superb group of late 19th century trade catalogs for German manufacturers of precision instruments for medical laboratories. In the instance of Petzold the firm was also known for its astronomical instruments. They are as follows:

1] W Petzhold - *Instrumente und Apparate Physiologische Experimente und Vivisectionen*, Leipzig, 1888, 8vo., 20 pp., illustrated.;

2] E Zimmermann - *Preis-Verzeichniss uber Apparate zu psychologischen u. physiologischen Experimenten*, Leipzig, 1894, 20 pp.;

3] O Moecke {inhaber der firma O Hornn} - *Illustriertes Preis-Verzeichniss chirurgischer Instrumente*, Leipzig, [1888];

4] W Pfeffer - *Ein neuer heizbarer Objecttisch*, Leipzig, 1890, 18 pp., illustrated - WITH separately printed advertisements for the thermostat and object table (in proof);

5] F Majer - *Physiologische Apparate*, [Leipzig], [1888], illustrated - WITH an albumen print of the Hurtle kymographion and three sheets of autograph notes (identified as 1897) in a clear hand describing same and its use and adjustment; manufactured by Eugen Albrecht of Tubingen (Universitats-Mechanikus). A rare group of German instrument makers catalogs. The Moecke has one holding in OCLC at Leipzig; everything else is unlocated. \$3,500

25. Rowlett, J[ohn].

Rowlett's Average Time Calculator; or, Plain and Easy Methods For Finding the Average Time on Notes [Philadelphia]: J Rowlett, 1836.

First Edition. broadside. Very good; small loss of printed border at one point. as issued.

A method of calculating the total interest due on multiple purchases with different amounts due at different dates. A useful commercial broadside. It meas. appx. 14.75 x 9.75 inches (printed on yellow paper stock). Absent from Karpinski. \$275

26. Ambronn, L[eonold] - 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 nonetheless an essential reference. \$1,250

27. Webb, Charles Henry - MACHINE CALCULATION.

Webb Adder. [New York]: C Webb, Nov. 5 & 12, 1889. Device (stamped verso '3270') and original wooden box; instruction sheet absent. Very good; box worn and broken.

Webb was a journalist, playwright, and poet. He returned to New York from California in 1866 and in 1868 patented his first 'Adder'. It was a commercial success. The device could do accurate addition but could not add large numbers or do subtraction, multiplication, and division. Despite the limitations Webb was able to obtain many testimonials and flattering comments for the device. The Panic of 1873 brought an end to his business and he returned to writing. But in 1889 he patented another Webb Adder based on the earlier design but this time the device was made of steel. Peggy Kidwell, "The Webb Adder", Rittenhouse, vol. 1, # 1, pp. 12 - 17.

\$500



28. Tardieu, A - TERRESTRIAL GLOBE.

Globe terrestre, dresse par Ambroise Tardieu, d'après l'invention de A Weinling et cie. Strasbourg: Marin & Schmidt, 1831.

First Edition. The globe is comprised of 12 gores printed on kid leather and hand-colored. Very good with occasional light surface wear and one or two spots; the base is a modern reproduction.

An incredible survival including the original decorated paste paper cylindrical box it was sold in by the manufacturer. 26 years ago Sotheby's claimed they were selling the only known existing copy in private hands of this globe (June 1991, lot # 404). Apparently they were incorrect. Here is another, better example. The globe was originally to be inflated for use and then deflated, taken down, and stored. It was

intended for the amusement of adolescents. Both terrestrial and celestial globes were offered by the manufacturer. The globe is made up of 12 gores of kid skin and two polar calottes of the same material that are so skillfully joined as to appear seamless. The gores were printed from steel engraved plates and then hand-colored. The coloring, names, outlines of countries, geographical points of interest etc. all remain fresh and legible (Dolz refers to the fact that the globe he so meticulously describes is nearly illegible because of age browning). Tardieu is recognized as one of the premier French map engravers and the globe benefits from the inclusion of the most recent mapping of the unknown portions of the world (all major voyages of discovery are included through Dumont d'Urville and Beechey in 1826/27). The diameter is appx. 8 1/2 inches with all the text in French. There is a brass valve with a stopcock at the north pole and a brass pinion at the south pole. The globe rests and turns in a wood (?) meridian ring, horizon ring, and quadrant. The rings retain their original brightly finished orange and green enamel paint. The rings and quadrant are overlaid with paper engraved with designs of the zodiac, place names, coordinates, climate, and degree markings.



There is an hour ring with a brass pointer at the north pole. The horizon ring has inset brass fittings to align the quadrant and meridian ring and provide a rigid structure when assembled. Overall the condition is excellent. The box accompanying the globe has a hole on the underside not affecting the printed surface. A wonderful cartographic artifact.

Dolz, Erd - und Himmelsgloben, pp. 58 - 59.
\$9,500

29. Taylor, M - MATHEMATICS - MASKELYNE.

Tables of Logarithms ... with a preface and precepts for an explanation and use of the same, by Nevil Maskelyne London: F Wingrave, 1792.

First Edition. Folio. [16], 64, [446] pp. a - d², A - 5C²-1 Very good, untrimmed; some wear to the wrappers; modest browning to the pages of the Preface. Original publisher's blue wrappers.

An important, accurate, and massive set of tables accompanied by a 64 page preface (dated Jan. 14, 1793) and introduction by Maskelyne, The author was on the staff of the Nautical Almanac and a pupil of Hutton. Henderson #92.

\$1,450



