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BOOTH A44

PRESENTATION COPY

ADAMS, John Quincy. *Oration on the life and character of Gilbert Motier de LaFayette. Delivered at the request of both houses of the Congress of the United States, before them, in the House of Representatives at Washington, on the 31st December, 1834.* Washington: Printed by Gales and Seaton, 1835. 8vo. Contemporary straight grain morocco. An excellent copy inscribed by the author. First edition of Adams' biography of the Marquis de Lafayette, inscribed by Adams to David Potts Jr., an Anti-Masonic congressman from Pennsylvania (1831-1839). \$ 7500.00

RARE EDITION WITH SUPERB WOODCUTS

ARCHIMEDES. Αρχιμηδους παντα σωζομενα. *Archimedes opera.* Paris: Claude Morel, 1615. Folio. Contemporary calf. The complete works of Archimedes, the first edition edited by David Rivault. It contains all of Archimedes' monumental contributions to science: his discovery of the principle of specific gravity and methods for calculating the centres, circle measurements, the quadrature of the parabola and spirals, techniques of analysis, his theoretical work on mechanics and hydrostatics, an approximation of the value of π , and his treatment of the numeration of large numbers. \$ 6000.00

GOD'S GOVERNMENT ON EARTH

AUGUSTINE, Aurelius Saint. *Of the citie of God. With the learned comments of Io. Lod. Vives. Englished by J[ohn] H[ealey].* London: George Eld, 1610. Folio. Contemporary calf. First edition in English. *De civitate Dei* influenced world history from the middle ages to the end of the eighteenth century, and its power is still present, for example, in international law. It was described by Voltaire as the first contribution to a philosophy of history. \$ 12,000.00

CLASSIC OF EMBRYOLOGY

BAER, Karl Ernst von. *De ovi mammalium et hominis genesi epistolam ad Academiam Imperialem Scientiarum Petropolitanam.* Leipzig: Leopold Voss, 1827. 4to. Contemporary half calf over marbled boards. First edition of Baer's famous discovery of the mammalian ovum. "The notion that all animals come from eggs was pronounced by Harvey, and de Graaf proclaimed that the follicle named after him was really the mammalian egg. It remained for Baer to plot the course of ovulation and fertilisation from its later stages back to the ovary and there to identify the minute cell which was the ovum" (PMM). \$ 38,000.00

PRECISION BOMBING

BELIDOR, Bernard Forest de. *Le bombardier François. Ou nouvelle methode de jeter les bombes avec precision.* Paris: de l'Imprimerie Royale, 1731. 4to. Engraved frontispiece plus 8 folding engraved plates showing mortars, rockets, explosive charges, fireworks, etc., text tables. Contemporary calf. First edition. An essential work for use in combat, containing systematic firing tables. The author explains his methods of setting trajectories based upon the type of projectile being used, as well as the makeup of the hardware used to shoot the projectiles. The exquisite illustrations show the different type of canon, bullets and mortars, loading material, and additional swagger that can be used. \$ 950.00

BEMBO, Pietro. *Le prose di M. Pietro Bembo. Nelle qual si ragiona della vulgar lingua, scritte al Cardinal de' Medici, che poi fu creato Sommo Pontefice, & detto Papa Clemente VII.* Venice: Nicolo Moretti, 1586. 8vo. Contemporary limp vellum; an excellent copy from the library of noted Shakespeare scholar Charles Tyler Prouty. Later edition of a milestone in the development of the Italian language, in which Bembo defends the Tuscan vernacular as a literary language. \$ 650.00

WONDERFUL READING AT ANY TIME

BERESFORD, James. *The miseries of human life; or the groans of Samuel Sensitive and Timothy Testy. With a few supplementary sighs from Mrs. Testy. In twelve dialogues.* London, 1806-1807. Two volumes. 8vo. Hand-coloured aquatint engraved folding frontispiece to Volume I, and stipple-engraved folding frontispiece to Volume II. With numerous woodcuts and a folding program for the Theatre Royal announcing Miss Biddy Suckling in *The Tempest* and *The Infant Caliban* which is added to the performance in Volume II. Contemporary half-calf over marbled boards. Third edition of Volume I and first edition of Volume II, with nine additional dialogues, as overheard by James Beresford. \$ 425.00

**THE FIRST FRENCH BOOK ON NAVIGATION
WITH EARLY DESCRIPTION OF SOUTH AMERICA**

BESSARD, Toussaint de. *Dialogue, de la longitude.* . . . Rouan: Messgissier, 1574. First edition of this extremely rare treatise, the first work printed in France on navigation and one of the earliest attempts to determine longitude at sea. \$ 85,000.00

THE GREAT AMERICAN ATLAS

BLANCHARD, Rufus. *Historical atlas of the United States.* [Chicago]: [T. Kane & Co.], [1876-1893]. Large folio. Illustrated throughout with maps, charts, and historical images, many in color. Full maroon calf. First edition of each of the parts of this valuable American atlas, widely recognized by leading educators for its valuable contribution to American history and geography. It includes maps of the United States as well as the acquisitions of its territories, the Hawaiian Islands, Europe, the world and ocean currents, and much more. Of particular interest is the map, *The Acquisition of Territory to the United States*, which at the time was the only map to correctly show the western limit of the Louisiana Purchase as terminating on the line of the Rocky Mountains instead of on the Pacific Coast. \$ 7500.00

THE RARE FIRST EDITION IN ENGLISH

BOEHME, Jacob. *Mysterium magnum. An exposition of the first book of Moses called Genesis.* . . . London: M. Simmons for H. Blunden, 1654. Folio. Full calf in a contemporary style. First Edition in English of Boehme's masterpiece, a mystical interpretation of Genesis. As a young man, Boehme experienced a mystical vision revealing the spiritual structure of the universe as well as the relationships between good and evil and God and man. His focus on the vision of the spiritual universe supports his detailed discussion of the first book of the Old Testament. Now quite rare, this book became highly influential on generations of mystics, especially of the English school, where societies of Behmenites were formed. \$ 8500.00

AN ACCOUNT OF A FAILED EXPEDITION TO POLAND

BOËNCOURT, Chevalier [Galliard]. HENDERSON, Alexander (editor). *A narrative of the French expedition to Dantzic in 1734; Voyage des troupes Françaises en Pologne.* Edinburgh: Alexander Henderson, 1831. Two parts in one. 4to. First part in English, second part in French. Uncut and largely unopened. First and only edition, extremely rare; only 58 copies were printed, this being number 36. A Francophile and book collector, author of the well known *Ancient and modern wines* (1824), Henderson acquired an eighteenth century French manuscript by Boëncourt, who was part of a French military expedition to the besieged port city of Dantzic (Gdansk) in Poland during the War of Polish Succession. Russians had a claim to the throne, but Sweden, in alliance with the French, wanted Stanislaw, the son-in-law of Louis XV, on the throne. Of course a war broke out. The French sent reinforcements, but the Russians proved superior and Stanislaw fled in disguise. There are no copies of this account located in America, 2 in France and 1 in Poland. \$ 8500.00

IMPORTANT WORK ON CELL THEORY

BORDEU, M. Theophile de. *Recherches sur le tissu muqueux, ou l'organe cellulaire, et sur quelques maladies de la poitrine.* Paris: Ches Pierre Franc. Didot Le Jeune, 1767. 12mo. First edition. Considered one of the most important works in the history of cell theory, Bordeu "described connective tissue - under the name mucous tissue - showing its role in exchanges, the phenomena of nutrition, and the mechanical equilibrium of organs and tissues" (DSB). \$ 650.00

MUSCULAR MECHANICS

BORELLI, Giovanni Alfonso. *De motu animalium. Pars prima (secunda). Editio altera. Correctior & emendatior.* Leiden: Johannem de Vivie, Cornelium Boutesteyn, Danielem à Gaesbeeck & Petrum vander Aa, 1685. Two volumes in one. 4to. With engraved title page and 18 folding plates. Second edition of Borelli's major work on the application of mechanics to the muscles and a classic work in cardiology. Volume I treats external motions, or the motions produced by the muscles; Volume II deals with internal motions, such as the movements of the muscles themselves, circulation, respiration, the secretion of fluids, and nervous activity. The fine plates illustrate his analyses of animal motion. \$ 3000.00

A BRANDED BOOK

BRAVO DE PIEDRAHITA, Juan. *De curandi ratione per medicamenti purgantis exhibitionem libri. III.* Salamanca: Cornelius Bonardus, expensis Joannis Pulmanni Theod. filii, 1588. 8vo. Contemporary calf, with the top edge branded! First edition of this very rare and influential medical work which pioneered the renaissance of Spanish medicine at the University of Salamanca. Bravo treats the nature of disease and health, covering such topics such as food, environment, treatment of pain, human senses, as well as the use of drugs and narcotics. \$ 4500.00

COVERING THE ESSENTIALS OF ARTILLERY

BROWN-WESTHEAD, G.E. [MANUSCRIPT]. *A practical course of artillery.* [Woolwich:, 1835]. 8vo. Title with coloured pen and ink hand-drawn vignette, numerous drawings throughout, all finely detailed. A beautifully executed manuscript created for the artillery class at the Royal Military Academy at Woolwich. It starts with general remarks on artillery and gunnery, discusses construction of guns, ammunition, and the best means by which to fire various types of arms. There are sections on signal rockets, on casting bullets, and on gunpowder. A large section includes exercises dealing with the mounting and dismounting, and movement, of guns between various locations. Finally, there are small parts dealing with pontoons, remarks on military law, and illustrations of knots. \$ 2500.00

A DOCTOR'S RELIGION

[BROWNE, Thomas]. *Religio medici.* [London]: Printed for Andrew Crooke, 1645. (bound with) **DIGBY, Sir Kenelme.** *Observations upon religio medici.* London: Printed by F. L. for Lawrence Chapman and Daniel Frere, 1644. Two volumes in one. 8vo. Contemporary calf. Second authorized edition of one of the most famous and influential treatises in the English language, the *Religio medici* (*A doctor's religion*)

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represents Browne's attempt to arrive at a vital concept of faith, one with tolerance, humour and dignity. Included is the second enlarged edition of Digby's commentaries. \$ 1500.00

CANDOLLE, A.P. & SPRENGEL, K. *Elements of the philosophy of plants: containing the principles of scientific botany.* . . . Edinburgh: William Blackwood, 1821. 8vo. With 8 full-page illustrations containing numerous figures. Contemporary calf. First edition in English. The first three parts (nomenclature, theory of classification, descriptive botany) are taken from Candolle's *Théorie élémentaire de la botanique*. The remaining part, the structure and nature of plants, is by Sprengel, who added the preface. An essential book by two of the greatest and most eminent botanists of their time. \$ 600.00

WITH DODGSON'S MANUSCRIPT CORRECTIONS

CARROLL, Lewis [DODGSON, Charles Lutwidge]. Four mathematical pamphlets offered together: **1.** *Formulae. (Group C.)*. [Oxford: c.1878]. Bifolium. Rare cyclostyled pamphlet, with Dodgson's manuscript corrections in his characteristic purple ink. **2.** *Formulae*. [Oxford]: 19 March 1878. 8vo. Cyclostyled. This work consists of 18 formulae corresponding to the topics in section L of the pamphlet *A Guide to the Mathematical Student in Reading, Reviewing, and Working Examples*. **3.** *Algebraical formulae and rules for the use of candidates for responsions*. [Oxford: University Press, 1870]. Bifolium. **4.** *Arithmetic. I*. [Oxford: University Press, c.1870]. Bifolium. First edition. Templates for 33 examination problems divided into 5 sections: integral and concrete numbers, vulgar and decimal fractions, rule of three. \$ 24,000.00

PRESENTATION COPY

CARROLL, Lewis [DODGSON, Charles L.] *Euclid and his modern rivals*. London: Macmillan & Co., 1879. 8vo. Frontispiece drawing of the "Theorems of Euclid I Arranged in their Logical Sequence." Polished calf by Riviere. Presentation inscription on the half-title in Dodgson's purple ink to Rev. W.A. Barclay dated March 27, 1879. First edition of the author's famous contribution to analytic geometry, in the form of a five-act comedy about a mathematics lecturer, Minos, in whose dreams Euclid debates his original *Elements* with the modern mathematicians of the day. \$ 8500.00

A MODEL OF ANATOMIC ILLUSTRATION

CASSERIUS, Julius. *De vocis auditusque organis historia anatomica singulari fide methodo ac industria concinnata tractatibus duobus explicata ac variis iconibus ære excusis illustrata*. [Ferrara: Victorius Baldinus, 1601 (second colophon, 1600)]. Folio. Elaborately engraved title, 2 engraved portraits, and 33 engraved anatomical plates. Our copy is one of a few printed with a blank verso M₃, a printer's error, considered by researchers to be an earlier issue. It is also bound in the original boards, and due to a probable binder's error, it was bound without 4 congruent text leaves (Q₂₋₃ and B₂₋₃), which are supplied in facsimile. Overall a handsome and elegant copy with some contemporary manuscript. First edition of the most beautiful and celebrated book published on the ear and throat. Divided into two parts, one on the organs of speech and the other on hearing, the work records the first accurate description of the laryngeal muscles and nerves as well as the first useful account of the nature of sound. Casserius' detailed and accurate studies included a wide range of animals: mammals, birds, amphibians, and insects --- all examined in relation to human organs. \$ 18,000.00

NOTED IMPROVEMENTS IN WEAPONRY

CAVALLI, Jean. "Aperçu sur les canon rayés se chargeant par la bouche et par la culasse et sur les perfectionnements a apporter a l'art de la guerre en 1861." From *Mémoires de l'académie des sciences de Turin*, Série II, Tome XXII. Turin: Imprimerie Royale, 1862. 4to. With 4 folding plates. First edition of this rare work in French published by the Academy of Sciences in Turin, on new technology in military armaments. The author provides an overview of the refinements proposed to barrel rifle and muzzle-loading and breech canons. He details the changes that the military is making to their weapons, including both the guns as well as the ammunition. \$ 400.00

**AN IMPORTANT SOURCE FOR RENAISSANCE TECHNOLOGY
INCLUDING DESCRIPTIONS OF MICHELANGELO'S TECHNICAL DESIGNS**

CEREDI, Giuseppe. *Tre discorsi sopra il modo d'alzar acque da' luoghi bassi.* Parma: Seth Viotti, 1567. 4to. Woodcut title vignette of a unicorn, 4 very large folding and 13 text woodcuts. Contemporary limp vellum. First and only edition. A splendid copy of this important study of Renaissance hydraulic engineering and mechanics, as well as the earliest history of the subject. The focus of the work is the investigation of the construction and use of the Archimedean screw for the drainage and irrigation of fields. \$ 9500.00

CICERO, Marcus Tullius. *Le filippiche di Marco T. Cicerone, contra Marco Antonio.* Venice: Paulus Manutius, 1556. 4to. With the anchor and dolphin device, woodcut historiated initials. First edition of this Italian translation of Cicero's famous Phillipics by Girolamo Ragazzoni, an Italian Bishop to the diocese of Bergamo and later apostolic nuncio to France. The Phillipics are a series of fourteen speeches given by Cicero condemning Mark Antony in 44-43 BCE. \$ 450.00

INSCRIBED PRESENTATION COPY

COLLADON, Frédéric, & [CANDOLLE, Augustin-Pyramus de]. *Histoire naturelle et médicale des casses, et particulièrement de la casse et des sénéés employés en médecine.* Montpellier: Jean Martel, 1816. 4to. With 20 engraved plates. Original wrappers; an uncut and partially unopened copy inscribed by the author to a Monsieur le Pasteur as a testimony of friendship and gratitude. First edition of a valuable work containing detailed descriptions of the medical properties of the genus casses, along with a classification of each specimen. Colladon's professor, Candolle, wrote the botanical descriptions. \$ 650.00

THREE VALUABLE CONTRIBUTIONS TO EARLY MEDICINE

COLOMBO, Realdo. *De re anatomica libri XV.* Paris: Wechel, 1562. 8vo. Contemporary signature on title dated 1640. Second edition. It is here that Colombo defines his discovery of the pulmonary or lesser circulation, i.e., the passage of blood from the right cardiac ventricle to the left via the lungs. He describes the duplicatures of the peritoneum, the ventricles of the larynx, and the mode of action of the pulmonary, cardiac, and aortic valves, clearing up a number of errors of his predecessors. **[bound with]**
RONDELET, G[uillaume]. *De ponderibus sive de iusta quantitate & proportione medicamentorum liber.* Lyon: Bonhomme, 1560. First edition and extremely rare (1 copy known) treatise on diseases and their cures. **[bound with]**
LOMNIUS, J[odocus]. *Medicinalium observationum libri tres.* Antwerp: Plantin, 1560. First edition. This valuable contributions to the practice of medicine and therapeutics by Lomnius was in great demand up into the eighteenth century. \$ 9500.00

DETERMINING THE SHAPE OF THE EARTH

CONDAMINE, [Charles Marie de] La. *Journal du voyage fait par l'ordre du roi, a l'équateur, servant d'introduction historique a la mesure des trois premiers degre's du meridiem. (offered with) Mesure des trois premier degre's du meridiem dans l'hémisphere Austral, tirée des observations de M.rs de l'académie royale des sciences, envoyés par le roi pour l'équateur.* Paris: De L'Imprimerie Royale, 1751. Two separate volumes. 4to. With 9 engraved plates, including the map of Quito. Contemporary tree calf. First edition of the account of the scientific expedition to the equator sponsored by the Academie des Sciences. \$ 8500.00

**SECOND EDITION OF COPERNICUS' DE REVOLUTIONIBUS
AND FIRST WITH RHETICUS' NARRATIO PRIMA**

COPERNICUS, Nicolaus. *De revolutionibus orbium coelestium, libri VI . . . Narratio prima, per M. Georgium Ioachimum Rheticum ad D. Ioan. Schonerum scripta.* Basel: Heinrich Petri, [September, 1566]. Folio. Contemporary vellum. Second edition of Copernicus' epochal work, the first to propound the theory of planetary orbits. Added here for the first time is Rheticus' famous tract, *Narratio prima*, first published in 1540, containing the actual first announcement of Copernicus's system. \$ 150,000.00

HISTORY OF THE KNIGHTS TEMPLAR

COSTA, Bernardo da. *Historia da militar ordem de nosso senhor Jesus Christo.* Coimbra: Na Officina de Pedro Ginioux, 1771. 4to. Title in red and black with the official red cross insignia of the Order of Christ woodcut. First edition of the history of the Knights Templar (1118-1318) and its genesis. A fine specimen of the utmost rarity, this fruitful chronicle of Portugal's early history covers the period between 1128 (when Portugal gained independence and King Alfonso Henriques drove out the Moors) to 1342. This most ancient and secret order has a fascinating history, especially in and around this geographic area, and the book provides details of its founders, its masters, monuments, donations, and a treatment on the authentication of the True Crosses of the Templars. \$ 3500.00

PRESENTATION COPY

CRICK, Francis Harry Compton & WATSON, James Dewey. "Molecular structure of nucleic acids. A structure for deoxyribose nucleic acid"; "Molecular structure of deoxypentose nucleic acids"; "Molecular configuration in sodium thymonucleate." Offprint from *Nature*, Vol. 171, April 25, 1953. 8vo. Presentation copy, signed by Crick, Maurice Wilkins, and by Wilson and Stokes at the end of their paper. First edition. The original offprint of what a consensus of scientists consider the greatest intellectual achievement of modern science: the identification of the double-helix structure of DNA. \$ 45,000.00

INFLUENTIAL MANIFESTO BY PIONEER PARAPSYCHOLOGIST

CROWE, Catherine. *The night side of nature: or, ghosts and ghost seers.* London: T.C. Newby, 1848. Two volumes. 8vo. First edition of the most popular and influential work on paranormal phenomena in the nineteenth century. The author recounts hundreds of authentic tales of supernatural occurrences, including premonitory dreams, poltergeists, and döpplegangers, in a passionate plea for scientists to conduct serious investigations into these strange occurrences. \$ 3200.00

THE VERY RARE FIRST EDITION

CULPEPER, Nicholas. *The English physitian, or, an astrologo-physical discourse of the vulgar herbs of this nation: being a compleat method of physick, whereby a man may preserve his body in health; or cure himself, being sick, for three pence charge, with such things only as grow in England, they being most fit for English bodies. . . .* London: Printed by Peter Cole, at the sign of the Printing Press in Cornhil, near the Royal Exchange, 1652. Folio. With frontispiece portrait of the author. Contemporary boards. First edition, extremely rare, espousing Culpeper's theory of the relationship between astrology and herbs and physical health. \$ 4500.00

IMPROVEMENTS IN DELIVERY OF ELECTRICITY

DAL NEGRO, Salvatore. *Nuovo metodo di costruire macchine elettriche di grandezza illimitate e nuovi sperimenti diretti a rettificare l'apparato elettrico.* Venice: Pietro Zerletti, 1799. 8vo. Contemporary wrappers; wide margins, uncut. First edition of this scarce treatise describing the author's electrostatic machine, and some of the experiments he conducted with it. The folding plate illustrates the machine, which accompanies the instructions on how to build it. In the next few years he made various improvements to the pile of Volta, a recent invention, which he called electric motors (batteries). \$ 1800.00

FOUNDATION OF THE ATOMIC THEORY

DALTON, John. *A new system of chemical philosophy.* Manchester: S. Russell for R. Bickerstaff, 1808; London: Russell & Allen for R. Bickerstaff, 1810. Two volumes. 8vo. Original boards with the original spine labels. First edition of the first two parts of Dalton's epoch-making work in which he expounded his atomic theory, the most essential development in modern chemistry. Dalton postulated the indestructibility of atoms, and so made possible the formulation of the Law of Conservation of Matter, enunciated the Law of Multiple Proportions, and determined and tabulated the atomic weights of elements. \$ 15,000.00

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THE GENESIS OF THE THEORY OF EVOLUTION

DARWIN, Charles, FITZROY, Robert, & KING, P. Parker. *Narrative of the surveying voyages of His Majesty's ships Adventure and Beagle. . . .* London: Henry Colburn, 1839. Four volumes. Complete with 44 lithographed plates and all of the maps and charts. Original cloth. First edition, first issue recording the historic voyage of the Beagle, including Darwin's *Journal* which forms the third volume of the *Narrative*, Darwin's first published book. \$ 85,000.00

ASSOCIATION COPY WITH LETTERS AND UNRECORDED OFFPRINT

DARWIN, Charles. *On the origin of species by means of natural selection. . . .* London: John Murray, 1859. 8vo. Contemporary half-morocco over marbled boards. An excellent copy inscribed by Leonard Darwin, Charles' son, with related material bound in at the end, including a 2-page letter signed by Darwin, and an unrecorded offprint of a paper on Darwin's work. First edition of Darwin's historic and pioneering work on the theory of evolution; certainly the most important biological book ever written. The half-title is inscribed by Leonard Darwin: "This is the first edition of the Origin -- written by my father -- containing a passage on p. 184 which he always regretted to have omitted in later editions -- 10 April 1927." \$ 135,000.00

We also have a first American edition of the *Origin*, fourth issue (the important one with the first major changes to the text).

EXPRESSION OF MONKEY SEXUAL EMOTIONS

DARWIN, Charles. "Sexual selection in relation to monkeys." In *Nature*, Volume VX, November 1876 to April 1877, pp. 18-19. London and New York: Macmillan and Co., 1877. 4to. (the entire volume). First printing of Darwin's original paper discussing sexual selection in his 1871 work *Descent of man*, stating that the case of the "brightly-coloured hinder ends and adjoining parts of certain monkeys" was the most interesting and perplexing to him. Also included are two reviews of Darwin books, including *Geological observations on the volcanic islands (second edition)* and *Effects of cross- and self-fertilisation in the vegetable kingdom*. In addition, there are two testimonials to Darwin on the occasion of his birthday. \$ 650.00

DARWIN, Erasmus. See SEWARD, Anna.

FATHER AND SON COLLABORATION

DARWIN, Sir Francis. "On the power possessed by leaves of placing themselves at right angles to the direction of incident light." In: *Journal of the Linnean Society*, June 3, Vol. XVIII, No. 112., pp. 420-455. London: Longmans, Green, Reader, and Dyer and Williams and Norgate, 1881. 8vo. Original blue printed wrappers. First printing of this extensive article on the phototropism of plants, expounding on a topic that the author's father had discussed on numerous occasions. This paper is an extension of their collaborative research on the 1880 work, *On the power of movement in plants*. \$ 850.00

AMERICAN CLASSIC OF MEDICAL GEOGRAPHY

DRAKE, Daniel. *A systematic treatise, historical, etiological, and practical, on the principal diseases of the interior valley of North America, as they appear in the Caucasian, African, Indian, and Esquimaux varieties of its population.* Cincinnati & Philadelphia: Winthrop B. Smith & Lippincott, Grambo & Co., 1850-1854. Two volumes. 8vo. Large folding frontispiece (hydrographical map) and 19 maps and plates. Contemporary calf. First edition of the most important work on the natural history of malaria published up to that time. It is a veritable encyclopedia of North American topography, geography, geology, botany and meteorology, along with statistical data of diseases, their classification, etiology, diagnosis and treatment. The second volume treats of fevers such as yellow fever, typhus fever, the exanthemata, and the unclassified phlogistic fever in relation to topographic, meteorologic and sociologic features. \$ 2500.00

EPIC WORKS IN MODERN PHYSICS

EINSTEIN, Albert. 1. *Entwurf einer verallgemeinerten Relativitätstheorie und einer Theorie der Gravitation. I. Physikalischer Teil.* Leipzig: B.G. Teubner, 1913. 2. --- & **GROSSMAN, Marcel.** "Kovarianzeigenschaften der Feldgleichungen der auf die verallgemeinerte Relativitätstheorie gegründeten Gravitationstheorie." From *Zeitschrift für Mathematik und Physik*, Volume 63, No. 1-2. Leipzig: Teubner, 29 May 1914. 3. --- *Die Grundlage der allgemeinen Relativitätstheorie.* Leipzig: J.A. Barth, June, 1916. 4. --- *Über die spezielle und die allgemeine Relativitätstheorie.* Braunschweig: Friedr. Vieweg & Sohn, 1917. 5. **LORENTZ, H[endrik] A[ntoon].** *Das Relativitätstheorie Drei Vorlesungen gehalten in Teylers Stiftung zu Haarlem.* Leipzig und Berlin: B.G. Teubner, 1914. 6. **MINKOWSKI, Hermann.** *Raum und Zeit. Vortrag, gehalten auf der 80. Naturforscher-Versammlung zu Köln am 21 September 1908.* Leipzig und Berlin: B.G. Teubner, 1909. Six works bound together. 8vo. Five with their original printed front wrappers. Numerous annotations in pen and pencil. Ownership inscription of L[ouis] Kollros, Swiss mathematician, geometer, and biographer of Jakob Steiner. First editions of Nos. 1, 2, 3, 5 and 6, second edition of No. 4. This collection of original offprints contains Einstein's most significant contributions to the theoretical basis for the release of atomic energy, and on general relativity. Lorentz's *Relativitätstheorie* is one of the earliest expositions on Einstein's theory of relativity, and led to a major breakthrough in nuclear fission. Minkowski's epoch-making paper, *Raum und Zeit*, is the mathematical foundation of the theory of relativity, and the first promulgation of the concept of space-time and the four dimensional space-time continuum. \$ 15,000.00

FIRST MAJOR BOTANICAL WORK OF THE AMERICAN SOUTH

ELLIOTT, Stephen. *A sketch of the botany of South-Carolina and Georgia.* Charleston, S.C.: J.R. Schenck, 1821-1824. Two volumes. 8vo. With 12 plates. From the library of Lewis David de Schweinitz, president of the University of North Carolina (where he had the largest private collection of plants in America), who was known as the first major American mycologist; many of the basic American fungi were named by him. First edition of this valuable work on the botany of South Carolina. \$ 4000.00

FRENCH RENAISSANCE ANATOMY

ESTIENNE, Charles. *La dissection des parties du corps humain divisee en trois livres. . . .* Paris: Simon de Colines, 1546. Folio. With 64 full-page woodcuts and 100 smaller text woodcuts. Contemporary calf ruled in blind. First edition in French of this celebrated anatomy, considered one of the greatest woodcut books of the French Renaissance. This is the more preferred edition, with two additional illustrations not included in the Latin printing of the prior year. \$ 28,500.00

EDITIO PRINCEPS

EUCLID. [Greek:] *Elementa geometriae.* Basle: Johann Herwagen, 1533. Folio. Contemporary English calf. *Editio princeps* of Euclid's *Elements*, an epic-making text with the important commentary by Proclus on the first book. This edition is also important for the innovation of geometrical diagrams within the text, rather than in the margins. \$ 45,000.00

"ANALYSIS INCARNATE"

EULER, Leonhard. *Introductio in analysin infinitorum.* Lausanne: Marc-Michel Bousquet, 1748. Two volumes. 4to. Complete with frontispiece, portrait of the dedicatee, Jean Jacques Dourtout de Mairan, directions to the binder and 41 folding engraved plates. Contemporary mottled calf. First edition. This definitive work on analytical mathematics caused a revolution in this branch of mathematics, a subject which had hitherto never been presented in such a general and systematic manner. \$ 9000.00

EULER'S FIRST PUBLICATION

EULER, Leonhard. *Positiones logicae miscellaneae quas . . . pro vacante cathedra logica ad d. 30. Jan. M DCC XXII . . . publico eruditorum examini subjiciet M. Joh. Rudolphus Battierius . . . respondente . . . Leonhardo Eulero.* [Basel]: E. & J.R. Thurneisen, 1722. 4to. Contemporary marbled wrappers. First edition of Euler's first publication. Just 14 years old, Euler responds to the thesis of Johann Rudolf Battier (1693-1759), a candidate for the Basel's vacant chair of logic. This publication is quite rare; OCLC locates only 1 copy at Basel, and only 1 other copy is known (in a private collection). \$ 15,000.00

BIOGRAPHY OF PROCLUS

FABRICIUS, Joh[an] Albertus. *Procli philosophi Platonici vita, scriptore Marino Neapolitano, quam altera parte de virtutibus Procli theoreticis ac theurgicis auctiorem, & nunc demum integram primus edidit, versionem, breves notas, atque elenchum scriptionum Procli adjecit Joh. Albertus Fabricius.* . . . Hamburg: Godofredum Liebezeit, 1700. 4to. Text in Greek and Latin. Old wrappers. First separate edition of Marinus's life of the neo-Platonist philosopher Proclus (d. 485). The present edition, by the erudite Fabricius, is dedicated to Richard Bentley, Master of Trinity College, Cambridge. Fabricius' dedication is apparently unmentioned in the standard life, correspondence and bibliography of Bentley. \$ 850.00

CARING FOR CHILDREN IN THE SIXTEENTH CENTURY

FERRARI, Omniboni [Ognibene]. *De arte medica infantium, libri quatuor.* . . . Brescia: Francesco and Pietro Maria Marchetti [Colophon: Vincenzo da Sabbio], 1577. Two works in one. 4to. With 4 engraved text illustrations. Contemporary vellum. First edition. The work is divided into three parts: the management of wet nurses; the care and feeding of the newborn; and the diseases of children. Notable are the illustrations which include a self-operated breast pump for extracting milk, a device for training children to walk, a child's stool with a toilet, and a helmet designed to protect the child's head from injury. \$ 12,000.00

FIRST AMERICAN TREATISE ON GEMSTONES

FEUCHTWANGER, Lewis. *A treatise on gems, in reference to their practical and scientific value; a useful guide for the jeweller, lapidary artist, amateur mineralogist, and chemist; accompanied by a description of the most interesting American gens, and ornamental and architectural materials.* New York: Printed by A. Hanford, 1838. 8vo. Original cloth. First edition, extremely rare first issue. This pioneer work treats chemistry, geological and geographical distribution, nomenclature, lore, processing of gemstones for gem trade, as well as use of gemstones in optics. Also included is an appendix on pearls and coral. Of special significance here is the first adequate record of native American precious stones and their localities. \$ 2500.00

DESCRIPTION AND CURE OF ASTHMA

FLOYER, John. *A treatise of the asthma.* London: Richard Wilkin, 1698. 8vo. Contemporary calf. First edition of the first clear description of bronchial asthma. It is the first major monograph on the subject in English. \$ 5500.00

[FRANKLIN, Benjamin]. *The autobiography of Benjamin Franklin.* Chicago: R.R. Donnelley & Sons, 1903. 8vo. With frontispiece portrait of Franklin. Title in red and black. Original publisher's cloth. First edition of the first Lakeside Classic. \$ 650.00

ANALYZING WORKS OF THE GREAT CLASSICAL ARTISTS

FREART, Roland, Sieur de Cambrai. E[VELYN], J[ohn] (trans.) *An idea of the perfection of painting.* . . . [London]: Henry Herringman, 1668. 8vo. Contemporary calf. Signature and armorial bookplate of George Baillie (Lord of the Treasury). First edition in English. Freart, architect and art connoisseur, was the first translator of Leonardo's *Treatise on Painting*. He was a vigorous advocate of the classical tradition in art, and here analyzes the works of artists such as Plini, Leonardo, Raphael and Poussin. \$ 1200.00

GALILEO'S FIRST PUBLISHED BOOK

GALILEI, Galileo. *Le operazioni del compasso geometrico et militare.* Padua: Paolo Frambotto, 1649. 8vo. With a large folding engraved plate of the sector and numerous woodcut text diagrams. Early soft boards. Third edition. Galileo describes and explains the use of his invention, the geometric and military compass, or circle of proportion. \$ 5500.00

A MASTERFUL POLEMIC FOR THE NEW SCIENCE

GALILEI, Galileo. *Dialogo sopra i due Massimi Sistemi del Mondo Tolemaico, e Copernicano.* Florence: Giovanni Battista Landini, 1632. 4to. Engraved frontispiece by Stefano della Bella in fine facsimile on early paper. Contemporary vellum. First edition of Galileo's statement and defense of the Copernican system of heliocentrism, which directly led to his trial for heresy in Rome in 1633. \$ 70,000.00

"GRAVITATION IS A MATHEMATICAL DELUSION"

GALL, [William, Senior]. *The solar system paraphrased, or our range of space as it was and is; wherein the circles from the sun to Neptune presented to the mind in distinct views, with the physical forces in operation which commenced, developed, and decomposed the dependent parts of each circle, clearly demonstrating that gravitation is a mathematical delusion. To which is appended A paraphrase on the fall of man.* Aberdeen: T. Menzies, 1855. 8vo. Contemporary cloth. The author's copy, with corrections for a second edition in his hand, and with an ALS inserted. First edition. A wonderful anti-Newtonian work. The main body of the text is in verse, and the peculiarity of it can be garnered from the extended title. The autograph letter further illustrates the author's eccentricity, being a 4-page rebuttal of a critic in an unnamed Gazette, who had stated that "ridicule is the only weapon by which [Gall] can possibly be met." OCLC records no copies in America. \$ 1500.00

STUNNING ILLUSTRATIONS

GANZ, Guiseppe. *La medicina pittoresca o museo medico-chirurgico: Corredato di cento tavole d'anatomia generale, descrittiva, chirurgica e patologica, di patologia interna ed esterna, di medicina operatoria, d'ostetricia, di materia medica e terapeutica.* Venice: Presso Giuseppe Antonelli, 1834; 1836; 1838; 1839. Four volumes. Folio. Complete with 194 engraved plates. First edition in Italian, a translation of what appears to be a French work printed the same year and published in Paris by the Bureau de la Médecine Pittoresque. A compelling treatise of anatomy, physiology, pathology, natural history and therapeutics, with enchanting illustrations and erudite comments taken from the leading experts in various medical specialties of the time, including Soemmering, Scarpa, Caldani, Albinus, Mascagni, Haller, Hunter, Charles Bell, Tiedemann, Sandifort, Gall, and others. The author treats nearly every part of the body, with a focus on anatomy and pathology, depicting the most grotesque yet alluring anatomical research and illustrations of organs, instruments, devices, and plants. \$ 4500.00

THE HORBLIT / GINGERICH COPY

GAURICO, Luca. *Ephemerides recognitae et ad unguem castigatae . . . Eiusdem schemata & praedictiones ad annum . . . 1552. . . .* Venice: Iunta Typographus, 1533. 4to. Contemporary half-calf over paste boards, 2 leaves (a₇₋₈) in facsimile, otherwise an exceptionally fine copy from the libraries of Harrison Horblit and Owen Gingerich with their bookplates. First edition of the very scarce ephemerides from Gaurico, containing tables as well as astrological prognostications for the years 1534 through 1551. \$ 6500.00

CHIEF WORK ON CELESTIAL MECHANICS

GAUSS, Carl Friedrich. *Theoria motus corporum coelestium in sectionibus conicis solem ambientium.* Hamburg: Perthes & Besser, 1809. 4to. First edition, a classic of astronomy and mathematics. Gauss introduces the principle of curvilinear triangulation and the four formulae in spherical trigonometry known as "Gauss's Analogies," by which he was able to accurately calculate and predict orbit location. \$ 5500.00

ORIGINAL OFFPRINT OF GÖDEL'S PROOF

GÖDEL, Kurt. "Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme I." Offprint from *Monatsheften für Mathematik und Physik*, XXXVIII, Band I. Leipzig: Akademische Verlagsgesellschaft, 1931. 8vo. Original printed back wrapper; front wrapper in facsimile (from the copy owned by Princeton University, with *Überreicht vom Verfasser* printed on top). First edition of the first printing of Gödel's Proof, the single most celebrated result in mathematical logic. This paper, *On Formally Undecidable Propositions* (Gödel's Incompleteness Theorem), in which he proved that arithmetic was incomplete, is of legendary rarity. \$ 55,000.00

THE ORIGIN OF THE SPANISH INQUISITION

GONZÁLEZ DE MONTEZ, Reinaldo. Skinner, Vincent, trans. *A discovery and playne declaration of sundry subtyll practices of the Holy Inquisition of Spayne.* London: John Day, 1568. 4to. Bookplate of Alfonso Cassuto. First edition in English of one of the rarest and most important works describing the horrors of the Spanish Inquisition, including legal proceedings and trials, as well as biographies of a number of persons condemned, including a native of Mexico. \$ 24,000.00

GOSSE, Philip Henry. *Actinologia Britannica. A history of the British sea-anemones and corals.* London: Van Voorst, 1860. 8vo. With frontispiece plus 11 chromolithographs and text illustrations. First edition of the author's most important work, considered a standard authority on marine biology. \$ 1000.00

GOULD'S STUNNING PARTRIDGES

GOULD, John. *A monograph of the odontophorinæ, or partridges of America.* London: Richard and John E. Taylor for the Author, [1844]-1850. Large folio. Complete with half title, list of subscribers, and 32 magnificent hand-colored plates. Contemporary morocco. First edition of Gould's splendid folio on the partridges of America, in which he celebrates the unassuming game bird in a grand and sumptuous style, expertly illustrating 35 partridge species in their natural surroundings. \$ 24,000.00

THE PRECURSOR TO BURTON'S ANATOMY OF MELANCHOLY

GRAHAME, Simion. *The Anatomie of Humors.* Edinburgh: Thomas Finlason, 1609. 4to. Tipped in is a leaf with 2 pages of nineteenth-century manuscript dealing with the history of this book. First edition of the original printed treatise, exceedingly rare. This work, consisting of prose interspersed with verse, describes the melancholy or humors of man. Like so many other writers on the subject, including Burton, Grahame's inducement was due in great part to his own depression and melancholy. \$ 45,000.00

**ONE OF THE GREATEST ARGUMENTS IN SCIENCE:
THE CONTROVERSY OF THE COMETS**

[GRASSI, Orazio]. *Libra astronomica ac philosophica qua Galilaei Galilaei, opiniones de cometis a Mario Guiducio in Florentina Academia expositae, atque in lucem nuper editae, examinantur a Lothario Sarsio Sigensano.* Perugia: Marci Naccarini, 1619. 4to. Engraved title vignette of one of the 1618 comets in the constellation of Libra. First edition of Grassi's extraordinarily important and bitter attack on Galileo's theory of the nature of comets, later inspiring *Il Saggiatore*. \$ 24,000.00

THE BEST-KNOWN MEDICAL BOOK IN THE ENGLISH LANGUAGE

GRAY, Henry. *Anatomy descriptive and surgical.* London: John W. Parker, 1858. 8vo. With half-title and 363 text illustrations. Contemporary half-calf and marbled boards. First edition. \$ 9500.00

ON TEACHING OCCUPATIONS (INCLUDING PRINTING) TO THE BLIND

GUILLIÉ, [Sébastien]. *Essai sur l'instruction des aveugles, ou exposé analytique des procédés employés pour les instruire.* Paris: Imprimée par les Aveugles, 1817. 8vo. With an elaborate frontispiece and 21 remarkable engravings. First edition of Guillié's classic work explaining his system of teaching reading and writing, as well as occupations, to the blind. The finely illustrated plates depict idealized, smartly dressed blind students

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weaving, knitting, playing musical instruments, caning chairs, and in an especially exquisite engraving, printing – possibly the same blind craftsmen who printed this copy! \$ 1200.00

GUNTER, Edmund. *The workes of Edmund Gunter, containing the description of the sector, cross-staff, and other instruments; with a canon of artificial sines & tangents &c. Much enlarged by the authour. Together with a new treatise of fortification. (with) FOSTER, Samuel.* Whereunto is now added the further use of the Quadrant, fitted for daily practise. London: F. N[eile] for Fr[anciscus] Eglesfield, 1653. Four books in one. 4to. Engraved frontispiece of Gunter's scale, engraved allegorical title, and additional title for *Canon triangulorum, or tables of artificiall sines and tangents* dated 1652; numerous illustrations, diagrams and charts, many full-page. Complete with the 4 slips tipped in, all uncut in their original sheets, including the often-lacking volvelle, *The Nocturnall*. Contemporary calf; from the library of Frank L. Streeter. First edition of the collected works of Gunter, who is widely considered to be one of the inventors of the logarithm, along with Napier and Gunter's close friend Henry Briggs. Gunter's important descriptions of his ground-breaking instruments as well as his considerable work on surveying figure in the present work. \$ 8500.00

CORNERSTONE IN THE HISTORY OF HOSPITAL REFORM

HÄBERL, Franz Xaver. *Abhandlungen über öffentliche Armen- und Kranken-Pflege mit einer umständlichen Geschichte der... gemachten Erweiterungs- und Verbesserungs-Versuchen und der hievon im neuen allgemeinen Krankenhaus zu München gemachten Anwendungen.* München: Zaengl, 1813. Two parts in one. 4to. Complete with 8 folding copper engraved plates and 2 folding lithographed charts. First edition of this rare treatise. The author provides a history of public health and advocates for hospitals to have separate rooms with a ventilation system to remove foul air. Following up on Lavoisier's research, this work formed the foundation of what became a two centuries discussion on the minimum amount of fresh air per occupant needed to maintain comfortable indoor conditions to prevent the spread of germs. \$ 3500.00

FROM THE KING'S CLOSEST ATTENDANT

[HAMMOND, Henry]. *Of the power of the keyes: or, of binding and loosing.* London: Printed for Richard Royston, 1647. 4to. First edition of this anonymous tract in which the author engages in controversial critical interpretations on church policy and authority. Citing Matthew 16:19 ("And I will give unto thee the keys of the kingdom of heaven: and whatsoever thou shalt bind on earth shall be bound in heaven: and whatsoever thou shalt loose on earth shall be loosed in heaven"), the book responds to the attempts to restructure the Church by Parliament during the Westminster Assembly. \$ 950.00

HARVEY, William. *Exercitationes de generatione animalium.* Amsterdam: Elzevir, 1651. 12mo. With the added engraved title carrying the London imprint intended for the English trade, and the Elzvir device on the second title. Contemporary vellum with overlapping edges. First issue of the second edition, published the same year as the first (London) edition. Harvey's fundamental work on embryology and endocrinology was the most important book on the subject to appear during the seventeenth century. \$ 1500.00

EXPLAINING THE FIRST LAW OF THERMODYNAMICS

HELMHOLTZ, H[ermann von]. *Ueber die Wechselwirkung der Naturkräfte und die darauf bezüglichen neuesten Ermittlungen der Physik.* Königsberg: Gräfe & Unzer, 1854. **(bound with)** *Ueber das sehen des menschen ein populär wissenschaftlicher vortrag gehalten zu Königsberg in Pr. Zum besten von Kant's denkmal am 27. Februar 1855.* Leipzig: Leopold Voss, 1855. 8vo. **I:** Second edition (printed the same year as the first). This extremely rare paper (*On the Interaction of Natural Forces, and Recent Physical Discoveries Bearing on the Same*), considered Helmholtz's most brilliant scientific lecture, was given in direct response to Clausius' assault of his landmark work, *Über die Erhaltung der Kraft (On the Conservation of Energy)*. Helmholtz here refutes the attack, and in a masterly exposition intelligible to all, he communicates his theory of the sun's heat based on his first law of thermodynamics. **II:** First edition of this lecture on "human vision," given on the occasion of the unveiling of a Kant memorial in Königsberg. \$ 750.00

SHOCKING ILLUSTRATIONS

HENDY, James. *A treatise on the glandular disease of Barbadoes: proving it to be seated in the lymphatic system.* (bound with) *A vindication of the opinions and facts, contained in a treatise on the glandular disease of Barbadoes.* London: C. Dilly; G. Kearsley, 1784; 1789. Two volumes in one. 8vo. First editions of these extremely rare works on medicine in the Americas. The first is an important treatise on glandular diseases of Barbados, a leprosy variety also known as *Jambe des Barbades* or “Red evil.” It is here that Hendy correctly identifies elephantiasis, the first separately printed English account of this disease. Five years later, Hendy returned to the subject to report new facts and reply to various criticisms received. \$ 8500.00

HODGES, William R.A. *Travels in India, during the years 1780, 1781, 1782, and 1783.* London: printed for the author, 1794. 4to. Large folding engraving (“A Map of Part of Bengal and Bahar with the provinces of Benares, Allahabad, Oude and Agra) plus 14 engraved plates. **(bound after) KNIGHT, Richard Payne.** *The Landscape, a didactic poem. In three books. Addressed to Uvedale Price, Esq.* London: W. Bulmer, 1794. 4to. With 3 plates (2 with fold-outs). **I.** Second edition, first printed the prior year. The plates to this account were engraved after the sketchbooks kept by the first professional British landscape painter to visit India. **II.** First edition. The publication of *The landscape* resulted in a public controversy, in part for its critique of the landscape architectural styles of Capability Brown and Humphrey Repton, but more for Knight’s skeptical viewpoint and liberal politics. The author was dubbed by Horace Walpole as “the Knight of the Brazen Milk-Pot” (after the small brazen pot, plate III) and vilified for an “insolent and self-conceited poem.” \$ 2500.00

EARLY FUND-RAISING EFFORT

[HOLMES, Oliver Wendell; SARGENT, John O.; BENJAMIN, Park]. *The Harbinger; a May-gift.* Boston: Carter, Hendee and Co., 1833. 8vo. Original cloth with paper label. With engraved portraits of Holmes and Benjamin laid in. In a cloth slip-case. First edition. *The Harbinger* was compiled and sold to raise funds at a Boston May-Day fair to benefit the *New England Institution for the Education of the Blind.* Contains 17 of Holmes’ poems, including *The last leaf* and *The ballad of the oysterman.* \$ 1200.00

PRESENTATION COPY

HOLMES, Oliver Wendell. *The autocrat of the breakfast table.* Boston: Phillips, Sampson, and Company, 1859. 8vo. Pebbled cloth over beveled boards. Inscriptions to fly-leaf, “Miss Sally Gardner, from her friend and cousin OW Holmes.” Second edition. Presentation copy to Holmes’ cousin. One of the few impressions issued before the 1859 failure of the firm Phillips, Sampson, and Company. \$ 1800.00

SUPPLEMENT TO THE MICROGRAPHIA

HOOKE, Robert. *Lectures and collections.* . . . London: J. Martyn, 1678. 4to. First edition of one of the very rare volumes of the author’s lectures. Hooke’s contributions include a discussion of the comets visible during the 1660’s and confirmation of Leeuwenhoek’s microscopy experiments. Other contributors include Sir Christopher Wren, Boyle, Cassini, Halley, Gassendi and Hevelius. \$ 12,500.00

A COMPLETE SET OF THE MISSING PHILOSOPHICAL TRANSACTIONS

[HOOKE, Robert, ed.]. *Philosophical collections, containing an account of physical; anatomical, chymical, mechanical, astronomical, optical, or other mathematical and philosophical experiments and observations.* . . . London: [John Martyn], Moses Pitt, and Richard Chiswell, 1679-82. Seven parts in one. 4to. Contemporary marbled boards. First edition of the complete set of parts, printed after the *Philosophical transactions* had ceased publication. Included are papers by Hooke, Leeuwenhoek, Borelli, Tyson, Hevelius, Flamsteed, and Cassini, Moxon, Malpighi, Thomas Burnett, Edmund Halley, Bernoulli and Leibniz, among many others. \$ 24,000.00

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HORAE B.M.V. *Hore diue virginis Marie secu[n]dum vsum Ro-manum cum aliis multis folio sequenti nota-tis vna cum figuris Apocalipsis & multis figuris Bible nouiter insertis.* Paris, [1510]. 8vo. [107] of 108 leaves (lacking M₁). Printed on vellum in red and black, initials on every leaf in gold, red and blue. Large woodcut illustration on title, 16 full-page plus numerous smaller woodcuts. Contemporary tree calf, hand-colored printed paper paste-downs. A splendid book of hours printed on vellum from the press of the Hardouins. The Almanach is dated from 1510 to 1530. \$ 18,500.00

HORST, Gregor. *Operum medicorum; tomus primus; tomus secundus; tomus tertius.* Goudae: vander Hoeve, 1661 (Vols. I and II), Amsterdam: Pieter LaBurgh, 1661 (Vol. III). 4to. Complete with added engraved portrait of the author, and an engraved illustration depicting an anatomy class, chemistry laboratory and other notable scenes. Second edition of Horst's collected works, enlarged and augmented, a compilation of great importance and influence in the understanding of the human body. The prolific author was especially concerned with the application of physics and chemistry to medicine. Horst's treatise details the structure and function of the body at all ages, its ailments, and remedies to maintain good health. \$ 2500.00

DEVELOPMENT OF THE PENDULUM CLOCK

HUYGENS, Christian. *Horologium oscillatorium sive de motu pendulorum ad horologia aptato demonstrationes geometricae.* Paris: F. Muguet, 1673. Folio. Original fly-leaf with contemporary annotations, plus a few annotations throughout text. An excellent copy. First edition. This work contains a description of the pendulum clock that Huygens invented in 1656, probably the greatest advancement to physics. "A work of the highest genius which has influenced every science through its mastery of the principles of dynamics. It is second in scientific importance perhaps only to Newton's *Principia*" (Singer). \$ 35,000.00

EXTRATERRESTRIAL LIFE

HUYGENS, Christian. *The celestial worlds discover'd: or, conjectures concerning the inhabitants, plants and productions of the worlds in the planets.* London: for Timothy Childe, 1698. 8vo. With 5 folding engraved plates. Contemporary calf, gilt spine. An excellent copy with the Minto booklabel. First edition in English, first published in Latin the same year under the title *Cosmotheoros*. Huygens' book contains one of the earliest discussions of the possibility of alien life and the plurality of worlds. He argues that "in the Copernican world system, the earth holds no privileged position among the other planets. It would therefore be unreasonable to suppose that life should be restricted to earth alone." \$ 16,000.00

JACKSON, G. A. *Algiers: being a complete picture of the Barbary States: their government, laws, religion and natural productions: and containing a sketch of their various revolutions, a description of the domestic manners and customs of the Moors, Arabs, and Turks: an account of the four great capitals of Algiers, Tripoli, Tunis, and Morocco: and a narrative of the various attacks upon Algiers by the European states.* London: R. Edwards, 1817. 8vo. With 10 hand-colored plates, including the fine folding map facing the title. First and only edition of this fascinating study of North Africa. Jackson describes the inhabitants, customs, and religions of the Berbers, Arabs, Moors, Turks, and Jews of the Barbary States. Of particular interest are his accounts of slavery in the area. \$ 3500.00

CLASSIC HISTORY OF THE JEWISH PEOPLE

JOSEPHUS [Flavius]. *The famous and memorable workes of Iosephus, a man of much honour and learning among the Iewes. Translated out of the Latin and French by Thomas Lodge, Doctor in Physicke.* London: Printed by J[ohn] L[egat] for Simon Waterson, 1632. (**Bound with**) *The lamentable and tragicall history of the wars and utter ruine of the Iewes, comprised in seven bookes by Flavivs Iosephvs, the sonne of Matthias.* London: Printed for Andrew Hebb, 1632. Folio. Contemporary calf with metal-hinged bosses and engraved clasps. Originally published in 1602, Lodge's translation is the first English printing of Josephus, of which this is the fourth edition; all printings in English by Lodge are rare. There is a descriptive table of contents for each chapter, and the extensive index make this a valuable resource citing countless authors, religious officials, and biblical references. This work is paramount for Jewish history as it is known today, and one of the few "classical" Jewish accounts written during a period dominated by Christian chronicles. \$ 2500.00

FOUNDATION OF PRACTICAL PSYCHOLOGY

JUNG, Carl Gustav. *Psychologische Typen.* Zurich: Rascher, 1921. 8vo. Original printed gray wrappers; an excellent uncut copy. First edition of Jung's most important work, the "basic psychological principles whose validity is commensurate with the undeniable facts of man's historic development and the realities of individual experiences." \$ 600.00

EARLY ANATOMICAL WOODCUTS

KETHAM, Joannes de. *Wundartzney zu allen Gebrechen des gantzen Leibs.* Frankfurt am Mayn: Herman Gülfferichen, 1549. 4to. With 4 large woodcut instruments on title, a large double page wound-man woodcut, and small woodcut of a zodiac man. Old German pasteboards. Early edition of this rare surgical treatise containing the first detailed anatomical illustrations ever printed. \$ 12,500.00

EARLIEST EXAMPLE OF "NATURE-PRINT"

KNIPHOF, Jonannis Hieronymi. *Botanica in originali pharmaceutica das ist: Lebendig officinal-kräuter-buch.* Erfurt: In Verlag Joh. Mich. Funckens/Buchhaendl. und Universitaets-Buchdrucker, 1733. Folio. With 200 magnificently illustrated nature-prints in fine contemporary coloring. Contemporary vellum. First edition of this profusely illustrated work on medicinal plants. The book is also of great interest for offering one of the first known examples of the *naturselbstdruck*, or the 'nature-print' technique used for scientific proof, a process by which a flat press and printer's ink capture the image of plant specimens. For each plate there is a corresponding full page explanation of the plant and its medicinal properties, with a description of its environment, root, stem, flower, seeds, and preparation of the extracts for the chemist's pharmaceutical purposes. Rare; 18th century specimens such as contained in this work were made in small editions due to the tenuous nature of the plants used for the printing process and the time consuming process of production. \$ 45,000.00

THE FOUNDATION OF ANALYTIC MECHANICS

H.C. SCHUMACHER'S COPY

LAGRANGE, Joseph Louis. *Méchanique analitique.* Paris: la Veuve Desaint, 1788. 4to. Contemporary polished calf. First edition of the author's masterpiece which laid the foundation of modern mechanics. It contains the discovery of the general equations of motion, the first epochal contribution to theoretical dynamics after Newton's *Principia*, next to which it has been ranked. \$ 18,000.00

WITH A CATALOGUE LISTING ALL KNOWN EUROPEAN LIGHTNING RODS

LANDRIANI, Marsilio. *Dell'utilità dei conduttori elettrici.* Milan: Marelli, 1784. 8vo. Original wrappers. First edition of the author's fascinating treatise on lightning rods, treating, among other matters, practical construction and use, and a detailed description of Franklin's experiments. \$ 3500.00

INCLUDES LAPLACE'S BRILLIANT HISTORY OF ASTRONOMY

LAPLACE, Pierre-Simon. *Exposition du systeme du monde.* Paris: Imprimerie du Cercle-Social, An IV [1796]. Two volumes. 8vo. First edition. A remarkable work which presents the author's explanation of the origin and formation of the solar planetary system. Laplace's celebrated nebular hypothesis as well as his discoveries on the rotation of the moon, its elliptic path, etc., are included. \$ 2500.00

INFLUENCED BY LEONARDO AND DÜRER

LAUTENSACK, Heinrich. *Des Cirkels unnd Richtscheyts, auch der Perspectiva, und Proportion der Menschen und Rosse kurtze, doch gründtliche Underweisung dess rechten Gebrauchs. . . .* Frankfurt: [Georg Raben for Sigmund Feyerabend and Heinrich Lautensack], 1564. 4to. With 3 folding woodcut plates and 107 woodcut text illustrations. First edition of this rare treatise on perspective and draughtsmanship, important for its use by artists, architects, and goldsmiths. One of the sections, on human proportion, owing much to Dürer, also includes woodcuts illustrating the proper proportions of a horse. \$ 14,500.00

A PROFOUND INFLUENCE ON DARWIN

LYELL, Charles. *Principles of geology, being an attempt to explain the former changes of the earth's surface, by reference to causes now in operation.* London: John Murray, 1830, 1832, 1833. Three volumes. 8vo. Complete with all half-titles, maps, and plates. First edition of Lyell's classic of modern geology, in which he makes a comprehensive presentation of the uniformitarian theory of change. This hypothesis led to one of the most revolutionary scientific ideas of the nineteenth century --- that the age of the earth was enormously greater than had ever been supposed. \$ 10,000.00

LIMITED EDITION PORTFOLIO

MALORY, Thomas. BEARDSLEY, Aubrey. *Morte d'Arthur portfolio.* [Reproductions of eleven designs omitted from the first edition of *Le Morte D'Arthur* illustrated by Aubrey Beardsley and published in MDCCCXCIII : also those made for the covers of the issue in parts and a facsimile print of the Merlin drawing]. London: J.M. Dent & Sons Limited; [Edinburgh: Turnbull & Spears, 1927]. 4to. With 14 illustrations. No. 179 of 300 copies on hand-made paper. This lavishly illustrated portfolio was issued in conjunction with the third edition of Aubrey Beardsley's *Le morte d'Arthur* (1927), and includes several designs omitted from both the first and second editions. \$ 950.00

MUNICIPAL AND LEGAL STRUCTURE OF A SIXTEENTH CENTURY SWISS TOWN

MANUSCRIPT. *Ordonnances de police de la ville de Pourrentruy dressees en l'an mil cinq cents nonante huit le sixiesme de Mars. Avec la declaration et mitigation de l'avant police faite le vingt Septieme - Apuril 1609. Comme aussi le Depart. des liepures du 23 Apuril 1551. Et le Depart. de delemont du 26 Mars 1560. . . .* Porrentruy: [n.p.], 1551-1609. Four parts in one. Folio. You wouldn't think that a small town in sixteenth-century Switzerland would be so structured, with written rules and regulations setting forth the responsibilities of its municipal employees. But indeed it is! Of historical significance, this notable manuscript records the municipal structure of the Swiss city Porrentruy, including titles and offices, duties and responsibilities, and wages, of municipal employees and appointees. Much of the manuscript deals with aspects of Porrentruy's legal system, including operation of the courts, judges and clerks, the scope of their oversight, how legal matters and court cases are conducted, and penalties for various criminal behavior. \$ 9500.00

VALUABLE MATHEMATICS SAMMELBAND

[MATHEMATICS]. Six papers bound together:

- 1. DEDEKIND, Richard.** *Was sind und was sollen die Zahlen.* Braunschweig: Vieweg and Son, 1888. First edition, rare, of Dedekind's important work on set theory;
- 2. FISCHER, Otto.** *Konforme abbildung sphärischer dreiecke auf einander mittelst algebraischer funktionen.* Leipzig: von Metzger & Wittig, 1885. First edition of the author's thesis on conforming images of spherical triangles by means of algebraic functions;
- 3. PHRAGMÉN, [Lars] E[dvard].** *Über die Berechnung der einzelnen Glieder der Riemann'schen primzahlformel.* Stockholm: Kongliga vetenskaps-Akademiens Förhandlingar, 1891. First edition of this famous work on the calculation of the individual members of the Riemann prime number formula;
- 4. NEUMANN, Carl.** *Ueber den Satz der virtuellen verrückungen; Ueber das princip der virtuellen oder facultativen verrückungen.* [Leipzig: von Breitkopf und Härtel, 1869]. Two separate papers on virtual displacements. Neumann created the second-type boundary, which, when imposed on an ordinary or partial differential equation, if specifies the value that the derivative of a solution is to take on the boundary of the domain;
- 5. LERCH, M[atyaš].** *Contributions à la théorie des fonctions; Addition au mémoire présenté dans la séance du 15 Octobre* [Prag, 1886]. Two separate papers. With a 4 page letter containing mathematical symbols handwritten by Lerch to Karl Weierstrass tipped in. First printings of Lerch's contributions to general mathematical functions, the first in a series dealing with the general theory of functions, the most significant of which constitutes construction of continuous functions having no derivative;
- 6. MÉRAY, [Hugues Ch[arles Robert].** *Théorie des radicaux fondée exclusivement sur les propriétés générales des séries entières.* Dijon, Darantiere, [1885]. Title page in manuscript signed by Méray and dated Dijon, 1891. With annotations throughout probably by the author for another edition. First edition of Méray's famous work, *Radical theory based exclusively on the general properties of power series.* \$ 10,500.00

CHRISTIAN TYPOLOGY

MATHER, Samuel. *The figures or types of the Old Testament, by which Christ and the heavenly things of the Gospel were preached and shadowed to the people of God of old; explained and improved in sundry sermons.* [Dublin], 1683. 4to. First edition, one of the most significant and comprehensive treatises on Christian typology, the interpretation of people and events in the Old Testament in a manner that portends the life of Christ and events in the New Testament. Mather (1626-1671), whose father, Richard Mather, was a founder of the Massachusetts theocracy and the grandfather of Cotton Mather, was the first of the five named Fellows of Harvard University, according to the University's original charter. \$ 8500.00

CONTEMPORARY OF COPERNICUS

MAUROLICO, Francesco. *Cosmographia . . . in tres dialogos distincta. . . .* Venice: [Haeredes L. A. Giunta, January], 1543 [December, 1542]. 4to. With the rare 4-leaf "Ad Lectorem." First edition of this outstanding astronomical treatise containing a discussion of the Earth's revolution on its axis, no doubt a remarkably early allusion to Copernicus. \$ 10,500.00

INTRODUCTION OF GUNPOWDER AND FIREWORKS NOT FROM CHINA?

MAYERS, Wm. Frederick. "On the introduction and use of gunpowder and firearms among the Chinese. With notes on some ancient engines of warfare, and illustrations." Offprint from the *Journal of the North China Branch of the Royal Asiatic Society*, New Series, No. VI, 1869 and 1870. Shanghai: [n.p.], 1872. 8vo. With 9 text illustrations. Original printed front wrapper. First edition. The author questions the generally accepted notion of gunpowder being of Chinese origin, based upon careful scrutiny of literature dealing with the introduction of explosive and projectile compounds in Chinese warfare and ordinary life. Early Chinese, English and Indian works are referenced, all to prove that the introduction of gunpowder into China was much later than had been thought. The illustrations show various Chinese weapons. \$ 550.00

WORLD CHRONOLOGY BASED UPON ASTRONOMY AND MATHEMATICS

MEGERLINI, Petri. *Theatrum divini regiminis a mvndo condito vsque ad nostrvm seculvm, delineatum in tabula mathematico-historica, qua secvndvm revolutiones conjunctionvm & oppositionum Magnarum Saturni & Jovis post octo proximé secula redeuntes, historia ecclesiastica et politica per omnes mundi partes omnesq. . . .* Basel: Typis & Sumptibus Joh. LvdoVICI KÖnig & Johannis Brandmylleri, 1683. 4to. Folding plate of heliocentric model of the solar system. Contemporary vellum. First edition of this fascinating work in which the author uses mathematics, astronomy, and astrology to calculate the chronological history of the world from its creation to 1683. Part one is an extensive index of notable historic events and their biographical sources; part two contains Megerlin's commentary with some controversial results, including treatment of the heliocentric system alongside ecclesiastical and political history. \$ 6500.00

**WITH 10 PHOTOGRAPHS FROM THE ORIGINAL NEGATIVES
INCLUDING LINCOLN, GRANT, LEE AND OTHERS**

[MESERVE, Frederick Hill]. *Historical portraits and Lincolniana. Index of a part of the collection of Americana of Frederick Hill Meserve.* New York: Privately Printed, 1915. Folio. With 10 mounted photographs. Original blue cloth; an excellent copy inscribed by Meserve on the fly-leaf. First edition. This is the index volume to the Meserve collection of original photographs and negatives. The complete series of 28 books contained nearly 8000 photographic portraits and views. Included here are photographs of Lincoln, John James Audubon, Edwin Booth, Mr. and Mrs. Henry Clay, Ulysses S. Grant, Oliver Wendell Holmes, Robert E. Lee, Adah Isaacs Menken, Francis Parkman, and Daniel Webster. \$ 2000.00

MEYER, Oskar Emil. *Die kinetische Theorie der Gase.* Breslau: Maruschke & Berendt, 1877. 8vo. CalF-backed marbled boards. First edition of the author's classic treatise on the kinetic theory of gases. Meyer's historical introduction traces the evolution of the theory, providing critical expositions from the works of Boyle, Bernoulli, Clausius, Maxwell, and Joule. \$ 400.00

DISCOVERING THE ACTUAL LENGTH OF A METER - - A UNIQUE COPY

MICHELSON, Albert A. "Détermination expérimentale de la valeur du mètre en longueurs d'ondes lumineuses." Offprint from *Travaux et mémoires du Bureau International des Poids et Mesures*, Vol XI. Paris: Gauthier-Villars et Fils, 1894. 4to. With 2 full-page engravings and numerous charts in the text. First separate edition of this scarce work by renowned scientist Albert Michelson, the first American Nobel Prize winner for physics. The work describes the length of the international meter bar, which Michelson originally measured in terms of wave-lengths of cadmium light. The book is signed by all members of the International Committee for Weights and Measures for American astronomer Benjamin Apthorp Gould's 70th birthday, with an original photograph of the Committee tipped in. \$ 1500.00

SEMINAL WORKS ON MICROSCOPIC ANATOMY

MORGAGNI, Joannis Baptistae. *Adversaria anatomica omnia*. Padua: Josephus Cominus, 1719 (parts ii-iii dated 1717). **(bound with)** *De vita, et scriptis, Antonio Mariae Valsalvae commentariolum Joan. Bapt. Morgagni*. [n.d., n.p.]. **(bound with)** *Nova institutionum medicarum idea*. Padua: Joseph Coranum, 1712. Six parts in one. 4to. With 12 copper plates. Contemporary full mottled calf. A seminal series of treatises on microscopic anatomy, with a focus on the glands of the larynx, trachea and glottal regions, of the male urethra, and of the female genitalia. Also described here are those fine folds of the anal canal, still known as the 'columns of Morgagni.' Bound with it is the first printed biography of anatomist, surgeon, and mentor Antonio Maria Valsalva. The third work included is an inaugural lecture given when he was appointed second chair of theoretical medicine at Padua University. \$ 4500.00

MOSHEIM, Johann Lorenz. ALLWOERDEN, Heinrich von. *Historia Michaelis Serveti*. Helmstadt: Stanno Buchholtziano, 1727 [1728]. 4to. With the famous portrait of Servetus and the scene of his execution. Paper wrappers. First edition of Mosheim's impartial investigation of the Servetus controversy. The scarcity of this work is likely due to the fact that it was severely criticised by Armand de la Chapelle, the famous French theologian the pastor of the French congregation at the Hague. \$ 1200.00

RARE WORKS ON DENTISTRY

MOUTON, Claude. *Essay d'odontotechnie ou dissertation sur les dents artificielles. Où l'on démontre que leur usage n'est ni moins commode, néanmoins étendu, que celui des dents natyrelles*. Paris: Antoine Boudet, 1746. 8vo. **(bound with)** **BUNON, Robert.** *Essay sur les maladies des dents, ou l'on propose les moyens de leur procurer une bonne confirmation dès la plus tendre enfance, & d'en assurer la conservation tout le cours de la vie. Avec une letter où l'on discute quelques opinions particulieres de l'auteur de l'orthopedie*. Paris: Antoine Boudet, 1743. 8vo. Two works in one. First editions of both volumes, considered the most important dentistry works following Fauchard. **I:** Mouton's is "the first specialized book on dental prosthetics" (G&M). **II:** Disappointed with Fuchard's work, Bunon was the first to perform specialized odontological research as well as to address such issues such as the development and care of children's teeth, and dental hypoplasia (caused by childhood diseases). \$ 12,500.00

NEUMANN, Carl. *Theorie der Bessel'schen functionen. Ein analogon zur theorie der Kugelfunctionen*. Leipzig: B.G. Teubner, 1867. 8vo. An excellent copy from the library of Dutch astronomer Adriaan van Maanen. First edition of one of Neumann's most important works. Neumann was professor of mathematics at both the Universities of Tübingen and Leipzig. His main interests were in applied mathematics, and he wrote on mathematical physics, potential and electrodynamics. \$ 350.00

THE FIRST CONTINENTAL EDITION OF NEWTON'S PRINCIPIA

NEWTON, Sir Isaac. *Philosophiae naturalis principia mathematica . . . editio ultima auctior et emendator*. Amsterdam: Sumptibus Societatis, 1714. 4to. Folding engraved plate of cometary orbit. Contemporary vellum over boards. First Amsterdam edition of Newton's epoch-making work, taken from the second printed edition (1713). It is in this edition of the *Principia* that Newton's famous additions to the theory of the motion of the moon and the planets appear, as well as many other important additions and corrections. \$ 16,000.00

SUBSCRIBER'S COPY

NEWTON, Isaac. *Excerpta quaedam e Newtoni Principiis philosophiae naturalis, cum notis variorum.* Cambridge: Typis Academicis Excudebat J. Bentham, 1765. 4to. With 12 folding plates. Old boards, a clean and crisp copy, uncut. First edition of this rather rare series of excerpts from Newton's *Principia*, published in response to the public clamor for copies and excerpts from the book itself. \$ 5000.00

CLASSIC OF OPTICS

[**NEWTON, Isaac.**] *Opticks: or, a treatise of the reflexions, refractions, inflexions and colours of light. Also two treatises of the species and magnitude of curvilinear figures.* London: Sam. Smith and Benj. Walford, 1704. 4to. With 19 folding engraved plates. Contemporary English paneled calf. First issue of the first edition. Newton here expounds his corpuscular or emission theory of light. His set of sixteen "queries" on the nature of matter was considered to be the most important feature of the *Opticks* and had a profound influence on scientific thought. This work is also distinguished for containing Newton's first printing of the two treatises on curvilinear figures, including his invention of "fluxional" calculus. \$ 60,000.00

KINEMATICS AND DYNAMICS

[**NEWTON, Isaac.** **TAIT, P[eter] G[uthrie].** *Newton's laws of motion.* London: Adam & Charles Black, 1899. 12mo. Original red cloth. First edition. "Prof. Tait, a Scottish physicist and mathematician, believed that an accurate acquaintance with the Laws of Motion is the basis of the study of all branches of Natural Philosophy. He presents it here with all possible brevity" (Babson). \$ 450.00

PREDICTING THE FUTURE

NOSTRADAMUS. *The true prophecies or prognostications of Michael Nostradamus, physician to Henry II, Francis II, and Charles IX, Kings of France, and one of the best astronomers that ever were. A work full of curiosity and learning.* London: Thomas Ratcliffe, and Nathaniel Thompson, 1672. Folio. Without the frontispiece portrait, missing in about half the copies extant. Contemporary calf. First edition in English of the book of prophecies of Nostradamus. Each quatrain (4-line poem) is a prediction of future events, which Nostradamus claimed was based upon astrological assessment of the quality of an occurrence. Most deal with disasters, such as plagues, earthquakes, wars, floods, invasions, murders, droughts, and battles. Nostradamus has been credited with predicting numerous events in world history, from the Great Fire of London, and the rise of Napoleon and Hitler, to the September 11 attacks on the World Trade Center. \$ 4500.00

METACURE

OKELL, Benjamin. *A short treatise of the virtues of Dr. Bateman's pectoral drops: the nature of the distempers they cure, and the manner of their operation.* London: Published and sold by virtue of the King's letters patents under the great seal of Great Britain, 1726. Small 8vo. An interesting treatise on the benefits of a new drug to cure gout, rheumatism, jaundice, stone and gravel, and asthma, with testimonies of numerous satisfied users. Bateman's Pectoral Drops are now official in the National Formulary under the title of Compound Tincture of Opium and Gambir. \$ 850.00

WITH AN ALS BY THE AUTHOR

OSLER, Sir William. *The principles and practice of medicine. Designed for the use of practitioners and students of medicine.* New York: D. Appleton and Co., 1892. 8vo. Finely bound in full morocco. From the library of Robert Saundby, president of the Edinburgh Royal Medical Society, and with an autographed letter tipped into the book, written by Osler, concerning a lecture by Ronald Ross (Nobel Prize winner for medicine, 1902) on malaria in Greece. Osler invites Saundby to the lecture and a dinner to be held prior to the lecture. First edition, second issue. Osler's textbook was considered the best English work on medicine of its time, providing a systematized text on internal medicine as well as relevant information from great advances in the laboratory sciences, particularly bacteriology. \$ 4500.00

THE STANDARD WORK ON GUNPOWDER AND BALLISTICS

PAPACINO D'ANTONI, Alessandro Vittorio. *A treatise on gun-powder; a treatise on fire-arms; and a treatise on the service of artillery in time of war.* London: T. & J. Egerton, 1789. 8vo. With 24 large folding plates. Contemporary calf. First edition in English of three scientific treatises on gunpowder, ballistics and artillery, highly detailed and extremely advanced. Included are chapters on ballistics, on projectiles, attack of fortified towns, on the force of fired gun-powder, and much more. \$ 2000.00

REMEDIES FOR BOREDOM

[PASSERI, Giovanni Battista]. *Della seccatura discorsi cinque di l'antisiccio prisco. Dedicati a Nettuno. (together with) Della seccatura discorsi cinque posteriori di l'antisiccio prisco. Dedicati ai Tritoni.* Venice: Pietro Valvasense, 1753, 1755. Two volumes. 8vo. With 11 folding engraved plates. Original buff carta rustica wrappers. First edition (rare, with 3 copies in America) of both parts of this satirical study of boredom, literally translated as the drying up of wit and entertainment, dedicated to Neptune and Triton, the fish-tailed sons of Poseidon and presumably the patron saints of the opposite of boredom. Each section describes various forms of boredom, with an illustration detailing measures against the malady, including one of the earliest illustrations of two boys playing leap-frog. \$ 4500.00

CLASSIC WORK ON OPTICS AND PERSPECTIVE

PECKHAM, John. *Perspectivae communis libri tres.* Cologne: Heirs of Arnold Birckmann, 1580. 4to. Rare illustrated edition of this classic work on optics, the most influential and widely read treatise on perspective and its underlying optical basis. \$ 4500.00

GREEK MATHEMATICS IS MORE THAN JUST CLASSICAL GEOMETRY

PTOLEMAEUS, Claudius. *Liber de analemmate, a Federico Commandino Urvinatè instauratus, & commentariis illustratus, qui nunc primum eius opera e tenebris in lucem prodit.* Rome: Paulus Manutius, 1562. 4to. Dolphin and anchor device on title, Greek and Roman types, numerous woodcut diagrams. First and only edition of Ptolemy's celebrated application of mathematics to astronomical problems. \$ 6500.00

"THE GODFATHER OF MODERN NEUROSCIENCE"

RAMON y CAJAL, Santiago. *Revista trimestral micrográfica.* Madrid: Nicolás Moya, 1896-1900. Five volumes in three. 8vo. With 4 plates and 276 text illustrations, many in color. First edition. This most valuable journal was created by Ramon y Cajal in order to publish his own scientific research and to serve to encourage his pupils. It is extremely rare with only sixty copies printed. Many of Cajal's important papers were published in his journal and formed the critical mass necessary for him to become a vocal proponent in favor of the independence of neural units, along with the principle of dynamic polarization in which would eventually become the Neuron Doctrine. \$ 18,500.00

SERIOUS EXAMINATION OF THE POSSIBILITY OF A CANAL IN MEXICO

ROBINSON, William Davis. *Memoirs of the Mexican Revolution . . . with some Observations on the Practicability of Opening Commerce between the Pacific and Atlantic Oceans. . . .* Philadelphia: Printed for the Author, 1820. 8vo. Original paper backed blue paper boards with paper spine label. First edition. Not only a first hand account of the Mexican Revolution, but one of the earliest books to seriously examine a canal from the Atlantic to the Pacific. \$ 750.00

FIRST RATDOLT EDITION, WITH THE FAMOUS WORLD MAP

ROLEWINCK, Werner. *Fasciculus temporum omnes antiquorum cronicas complectenes.* Venice: Erhard Ratdolt, 1480. Folio. Woodcut illustrations, diagrams, and initials throughout. Seventeenth-century hand-colored paper over boards. The first of four Ratdolt editions, the *Fasciculus Temporum* was the first "best seller" and the most popular historical narrative of its time. It is a summary of both ecclesiastical and secular world history. The woodcut illustrations include the Temple of Solomon, the Tower of Babel, and views of important cities, including Athens, Rome, Jerusalem, Byzantium, Cologne, and Venice. Printers of earlier editions did not include a map, but Ratdolt inserted one here, a T-O type. \$ 14,500.00

THE FIRST NOBEL PRIZE WINNER IN PHYSICS

RÖNTGEN, Wilhelm Konrad. "Eine neue Art von Strahlen." (**offered with**) "Eine neue Art von Strahlen. II. Mittheilung (Fortsetzung und Schluss)". Offprints from *Sitzungs-Berichten der Physikalisch-medicinischen*. Würzburg: Stahel, 1895, 1896. Original printed wrappers. First edition (fourth issue of the first paper, with the 2 additional pages) of the first published reports on the sensational discovery of X-rays. \$ 18,000.00

WONDERFUL PLATES OF FIREFIGHTERS AND THEIR EQUIPMENT

ROVIRA Y TRIAS (Antoni). *Tratado de la estincion de incendios*. Barcelona: Imprenta de la Publicidad, 1856. 4to. With 14 folding plates. First edition of this historic treatise devoted to the job of a firefighter, the first work on the subject to be published in Spain. In this extremely rare work (1 copy in America), the author describes the organization and administrative side of firefighting, as well as the physical training, equipment, and maneuvers used by firefighters to save victims from blazes. \$ 3500.00

HOW TO DETERMINE HARMFUL AND USEFUL INSECTS

1. [RUESS, Christian Friedrich von]. *Vertilgung schadlicher und bessere Benutzung nutzlicher Thiere, zum allgemeinen Besten jeder Haushaltung in der Stadt und auf dem Lande*. Leipzig: Voss & Leo, 1793. (bound with)
2. [Anonymous]. *Betrachtungen von dem grossen Nutzen und Schaden der vierfüssigen Thiere, mit vorangesetzter Anzeige in einer Tabelle sowohl des vielerley Nutzens als mancherley Schadens derselben*. Bunzlau: Waisenhaus, 1776. (bound with) **3. [Anonymous].** *Ausführliche und accurate Beschreibung nebst genauer Abbildung einiger vorhin fabelhafter Geschöpfe welche in der heutigen Naturgeschichte berühmter Schriftsteller gänzlich verändert und ins Licht gestellt sind*. Leipzig: [W. Nauck], 1784. Three volumes in one. 8vo. With 26 figures on 8 folding engraved plates. Contemporary pasteboards. First editions of these very rare treatises. The first work treats the natural history of house flies, maggots, and fleas, as well as bee and wasp stings, bookworms, snails, rats, mice, ants, etc., providing household remedies on treating or exterminating these insects as well as describing some of their useful benefits. The second treatise emphasizes quadrupeds, citing animals raised for milk, meat, and skins, plus uses such as strings for musical instruments. Farm animals, seals, walruses, and elephants are noted for purposes of safety, health and medicine. The last book describes some of the more fabulous animals such as dragon, lizards, basilisk, amphibians, sea dragons, iguanas, a hooded cobra, two-headed snake, and even the unicorn. The text for each animal gives both Linnean taxonomy and traditional fables. \$ 6500.00

FUNCTIONS OF THE MIND

RUSH, Benjamin. *Medical inquiries and observations, upon the diseases of the mind*. Philadelphia: Kimber & Richardson, 1812. 8vo. Calf-backed marbled boards. First edition, second issue with the signature 'H' reset to allow for the expansion of section VIII of Chapter II. "This is the first psychiatric treatise produced by an American native, representing the first attempt made in the United States to place the study of mental illness on a scientific foundation" (Norman). \$ 1250.00

DEVELOPMENT AND PERFECTION OF THE ANATOMY OF DISEASE

SANDIFORT, Eduard. *Descriptio ossium hominis; Oratio de officio medici perqua difficili, a multis pessime neglecto; Opuscula anatomica; Tabulae uteri humani gravidi et puerperae*. Leiden: Luchtmans, Eyk et D. Vygh & for the author, 1778-1785. Seven works in one. Folio. With 23 folding engraved plates. In fascicles, placed into original limp boards; an outstanding uncut copy. First editions. **I.** One of only two of Sandifort's non-illustrated works, intended as a companion text to already existing illustrated works on osteology. **II.** Includes three of Sandifort's works, *Tabulae intestini duodeni* (1780), a valuable monograph on the duodenum, as far as its shape and position; *Icones herniae inguinalis congenitae* (1781), an early work on inguinal hernia; and *Anatome infantis cerebro destituti* (1784), containing plates depicting an acephalous child. **III.** A series of eight plates depicting the gravid and puerperal uterus. \$ 4500.00

THE FATHER OF AMERICAN ENTOMOLOGY

SAY, Thomas. *American entomology, or descriptions of the insects of North America. Illustrated by coloured figures from original drawings executed from nature.* Philadelphia Museum: Samuel Augustus Mitchell, 1824, 1825, 1828. Three volumes. 8vo. With 54 beautiful hand-colored plates, each with accompanying text. First edition of the first substantive North American book on insects, important for the author's brilliant observations and his descriptions of generic and specific characteristics. \$ 6500.00

RARE EARLY NEUROPATHOLOGY

SCHAEFFER, Johann Ulrich Gottlob von. *Versuche aus der theoretischen Arzeneykunde. Erster. Ueber Bewegung und Mischung der Säfte.* Nurnberg: Grattenauer, 1782-1784. Two volumes in one. 8vo. Contemporary half calf and boards. First edition of this rare and valuable treatise, in which the author discusses the importance of neuropathology. He here describes his individual medical theories, "such as the consideration of age and sex as an indispensable prerequisite for a correct diagnosis and treatment of diseases. In addition, he discusses the importance of preventative medicine." OCLC locates no copies in America. \$ 2500.00

FOUNDER OF MODERN ANALYTICAL PHILOSOPHY

SCHLICK, [Friedrich Albert] Moritz. *Allgemeine Erkenntnislehre.* Berlin: Julius Springer, 1918. 8vo. Cloth-backed marbled boards. First edition of the author's most important work in which he presents his general philosophy of science, a comprehensive and valuable treatment of the general theory of knowledge. Schlick was "a guiding spirit of the Vienna circle of logical positivists." \$ 900.00

SCHUYLER FAMILY MANUSCRIPT AND ACCOUNT BOOK

SCHUYLER, Philip. [Manuscript]. *Ledger of accounts.* 1814-1825. Folio. Ledger of accounts and real estate transactions of the Schuyler family of Schuylerville (formerly Saratoga), New York, in the hand of Philip Schuyler (1788-1865), the only son of John Bradstreet Schuyler and Elizabeth (Van Rensselaer) Schuyler and a grandson of Major General Philip John Schuyler. The Schuyler family settled in and around Saratoga, New York in the late 17th century. The area is best known for the surrender of General John Burgoyne's army, a turning point of the Revolutionary War. Schuyler's house became a location for many important politicians after the war, including Washington, Benjamin Franklin, Alexander Hamilton (family) and the Count De Marquis; It is now a historic landmark. The account book represents the various transactions with residents and businesses in Schuylerville during more than a decade in between the Revolutionary and Civil Wars. (offered with) ALS. Thomas E. Vermilye, New York, March 17, 1845. 1 ½ pp. Addressed to James K. Polk, President of the United States, Vermilye, pastor at the Collegiate Dutch Church in New York, writes to recommend Philip Schuyler for employment he is apparently seeking with the federal government. (offered with) ALS. Possibly from Col. John Church Hamilton (1795-1882), son of Elizabeth Schuyler and Alexander Hamilton. London, December 24, 1841. 3 pp. To his uncle, Philip Schuyler, who was the United States Counsel to Liverpool at the time. \$ 7500.00

AN EPOCH-MAKING BOOK IN MEDICAL LITERATURE

SEMMELWEIS, Ignaz Philipp. *Die Aetiologie, der Begriff und die Prophylaxis des Kindbettfiebers.* Pest, Vienna, und Leipzig: C.A. Hartleben, 1861. 8vo. Contemporary cloth-backed marbled boards. First edition of one of the rarest of the great books in medicine. Few copies of this work have survived and ours is notable for being in excellent condition. \$ 40,000.00

PRESENTATION COPY WITH WONDERFUL PROVENANCE

SEWARD, Anna. *Memoirs of the life of Dr. Darwin, chiefly during his residence at Lichfield with anecdotes of his friends and criticisms of his writings.* London: J. Johnson by T. Bensley, 1804. 8vo. Author's presentation copy; from the libraries of William Hayley, biographer of William Cowper; the British historian and prolific writer G.M. Trevelyan, and George Knight, solicitor. First edition. Seward was a friend of Scott, Johnson, Boswell, and especially Erasmus Darwin. The present work is mainly anecdotes of the early part of Darwin's life. Seward here claims to have written the verses that form the *Botanic garden*. \$ 950.00

B & L ROOTENBERG - Fine & Rare Books

SHAKESPEARE, William. *The poems and sonnets of Shakspere. With an introduction by Edward Dowden.* London: Kegan Paul, Trench Trübner & Company, 1903. 8vo. Limp vellum; an uncut copy on Arnold's unbleached hand-made paper. Limited edition, ours being Number 9 of 400. \$ 1500.00

BEAUTIFUL ILLUSTRATIONS OF BEAUTIFUL BIRDS

SHELLEY, George Ernest. *A monograph of the Nectariniidae, or family of Sun-Birds.* London: published by the author, 1876-1880. 4to. With 121 hand-colored lithographic plates by J.G. Keulemans. First edition of one of the most attractively illustrated of Keulemans' works, limited to 250 copies. \$ 24,000.00

SLEEPER, M. B. *Construction of radio phone and telegraph receivers for beginners.* New York: The Norman Henley Publishing Co., 1922. 8vo. With frontispiece, photographs, text illustrations and diagrams throughout. Original pictorial wrappers. First edition of this interesting book written for all who want to receive the radio broadcasting stations in their homes. \$ 900.00

LARGE ETCHINGS OF THE CHARACTERS FROM THE CANTERBURY TALES

SMITH, Eunice Young, [artist]. *The Canterbury pilgrims.* [n.p.: n.p.], 1974. 26 large loose etchings. Title page, portrait of Chaucer plus 24 characters from the Canterbury Tales, each signed and numbered. Fine in a plain pink construction paper portfolio. Number 112 of 250 signed by the artist. Each image is very detailed and brings to life the personality of the particular character. \$ 1500.00

MAGNIFICENT ANATOMICAL STUDY OF THE HUMAN EAR

SOEMMERRING, Samuel Thomas. *Abbildungen des menschlichen Hoerorganes.* Frankfurt am Main: Varrentrapp und Wenner, 1806. Folio. With 5 engraved plates (4 duplicates in outline). Contemporary cloth-backed marbled boards. First edition. \$ 4000.00

WITCHES BEWARE

SPRENGER, Jacob & KRAMER (INSTITORIS), Heinrich. *Malleus maleficarum.* [Nurnberg, 1496]. 4to. Later vellum; an immaculate copy with contemporary annotations and corrections. The signature of Jacob Sprenger with a date of 1494 on the title, though possibly a later note. Second Koberger edition of this notorious guide to witchcraft and demonology, intended and used as a manual for judges persecuting witches for over two hundred years. \$ 60,000.00

THE MATHEMATICS OF SHOOTING

STARRAT, William. *The doctrine of projectiles demonstrated and apply'd to all the most useful problems in practical gunnery. To which is added, the description and use of a new mathematical instrument. Together with several curious properties of projectiles never before publish'd.* Dublin: S. Powell, 1733. 8vo. With the list of subscribers and 4 folding engraved plates. First edition. Starrat's entrenched knowledge of land survey as well as mathematical laws combine in his greatest work with chapters on longimetry, simple motion, compound motion and oblique percussion, descent of heavy bodies, projections made on the plane of the horizon, and a new mathematical instrument which provides accurate trajectory data as well as measuring the height or distance of an object on any plane. \$ 1500.00

RARE RENAISSANCE ASTRONOMICAL TABLES

STOEFFLER, Johann. *Ephemeridum opus Joannis Stoeffleri jvstingensis mathematici à capite anni redemptoris Christi MDXXXII in alios XX proximè subsequentes, ad veterum imitationem accuratissimo calculo, elaboratum.* Tübingen: Huldenrichum Morhart, ann. XXXI [1531] Kal, Sept. 4to. Woodcut portrait of author on title has been ascribed to Hans Holbein the younger; title in facsimile on contemporary paper. Text woodcuts throughout. Astronomical tables for 1532-1551 with half-titles for each year. Rare set of Stoeffler's astronomical tables, basically a continuation of the tables of Regiomontanus. \$ 9500.00

THE PLANISPHERIC ASTROLABE

STOEFFLER, Johann. *Coelestium rerum disciplinae . . . uariorum astrolabiorum compositionem seu fabricam.* [Moguntiae (Mainz): Petrus Jordan, 1535]. Folio. Stoeffler's treatise on the construction and use of the astrolabe was the most influential in the Renaissance, containing clear and concise instructions on how to lay out its components and how to use it for common problems. \$ 8500.00

UNDERWATER MINES AND EXPLOSIVES

STOTHERD, Major R[ichard] H[ugh]. *Notes on defence by submarine mines.* Chatham: Printed at the School of Military engineering, 1871. 8vo. With 116 text figures. First edition of the first textbook on submarine mining published in England. The author treats various types of explosives, detailing the best type to use depending upon the location (deep sea, inlets, lakes, etc.), and how to construct mines. Of particular importance is the mooring and ignition mines, as well as the process of testing, which apparently is quite important in the manufacture and ultimate use of this type of weaponry. \$ 1250.00

DETAILING THE PROBLEMS AND ERRORS OF THE ROYAL SOCIETY

STUBBE, Henry. *The plus ultra reduced to a non plus: or, a specimen of some Animadversions upon the plus ultra of Mr. Glanvill, wherein sundry errors of some virtuosi are discovered, the credit of the Aristotelians in part re-advanced; and inquiries made. . . . (bound with) Legends no histories: or a specimen of some animadversions upon the history of the Royal Society. . . .* London: Printed for the Author, 1670. 4to. First edition. An unabashedly polemic discourse, written just after the Restoration, in opposition to the new scientific method and the Royal Society. The first part treats advances made on the telescope, ideas about a voyage to the moon, and blood transfusion; the second part rectifies the many mistakes made by the Royal Society. \$ 1500.00

A CRUEL, SADISTIC COMMANDER

TARLETON, Sir Banastre [Lieutenant-Colonel]. *A history of the campaigns of 1780 and 1781, in the Southern provinces of North America.* London: Printed for T. Cadell, 1787. 4to. With 5 folding maps, all with touches of hand colouring for coding routes and armies. Original boards. First edition of the author's account of his exploits during the Southern campaigns in the American Revolution, especially important for the many documents included that cannot be located elsewhere. \$ 8500.00

MEDIEVAL DEMONOLOGY AND WITCHCRAFT

THYRAEUS, Petrus. *Loca infesta, hoc est: de infestis, ob molestantes daemoniorum et defunctorum hominum spiritud, locis, liber unus. . . . Accessit eiusdem libellus de terriculamentis nocturnis, quae hominum mortem solent portendere.* Koln, 1598. 4to. Contemporary vellum. First edition of this provoking treatise on haunting and possession by mischievous spirits of demons and of the dead, with many examples provided by the author. Of particular interest are his remedies for getting rid of ghosts. \$ 4500.00

INFLUENCE ON SHAKESPEARE'S FASCINATION WITH BEARDS

ULMI [ULMOS], Marco Antonio. *Physiologia barbae humanae in tres sectiones diuisa, hoc est de fine illius philos. & medico, in quarum prima declarantur nonnulla ad barbae naturam pertinentia. . . .* Bologna, 1603. Folio. Only edition, third issue, of one of the earliest treatises on the bearded races of mankind, containing detailed descriptions of facial and body hair on men and women. Previous works dealt with sexuality related to body hair, with a focus on gender differences. Ulmus' work is devoted fairly exclusively to the physiology and social significance of beards. \$ 5500.00

MOVING BEYOND MEDIEVAL ALCHEMY INTO MODERN DISTILLATION

ULSTADT, Philipp. *Coelum philosophorum seu de secretis naturae liber. Denuo reuisus & castigatus.* [Strassburg: for the Author, 1525]. Folio. Numerous text woodcuts. Contemporary vellum. First edition of this extremely rare work which served as "a standard authority on the preparation and use of distillates for nearly a century" (DSB). It is one of the most important early books on the chemicals that can be prepared in more or less pure form by the process of distillation, and contains additional comments on their medicinal uses. By emphasizing the medical efficacy of chemical distillates, Ulstad more clearly defines the boundaries

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between medieval astrology/pharmacology and substantive chemistry and medicine, preparing the way for the more intimate connection between these two disciplines. \$ 45,000.00

ILLUSTRATED MEDICAL TREATMENT OF ANIMALS

[VETERINARY MEDICINE]. *Viehartznei. Erziehung, Gebrauch, Lernung, Arznei in züffelligen vnd natürlichen Kranckheyten, aller zahmen, dem menschen gebräuchlichen, vnd geheymen Thier vnd viehs.* Frankfurt: Christian Egenolff [1535]. 4to. Woodcuts by Hans Weiditz depict a charming stockyard scene on the title page, and a trio of men with a horse on the first leaf (two of the three men have their eyes gouged out, presumably by a previous owner), plus 16 additional smaller text woodcuts of animals. This rare treatise on veterinary medicine is distinguished for being the first illustrated edition from the 1530 printing. Much of the text is focused on equestrian care and medicine, with information on treating a variety of maladies including equine cancer and gallbladder disease. The latter part explains the husbandry and medical treatment of other livestock along with a short section on apiculture. \$ 12,500.00

CELLULAR PATHOLOGY

VIRCHOW, Rudolf. *Cellularpathologie in ihrer Begründung auf physiologische und pathologische Gewebelehre.* Berlin: August Hirschwald, 1858. 8vo. Text woodcuts. First edition of Virchow's treatise on cellular pathology. His discovery that every morbid structure consisted of cells derived from pre-existing cells revolutionized the concept that any developed tissue can be traced back only to a cell. \$ 3000.00

VOLPI, Giovanni Antonio. *Oratio habita in Gymnasio Patavino, cum a tractanda philosophia ad politioem humanitatem exponendam translatus esset.* Padua: Josephus Cominus, 1737. 4to. Original quarter vellum over marbled boards; wide-margined copy on heavy paper. Only edition of this finely produced publication of the Comino Press in Padua, founded by the brothers Volpi. From this celebrated press were issued excellent editions of the classics in very small editions. \$ 650.00

WAHLENBERG, Georg [Göran]. *Flora Lapponica exhibens plantas geographice et botanice consideratas, in Lapponiis Suecicis scilicet Umensi, Pitensi, Lulensi, Tornensi et Kemensi nec non Lapponiis Norvegicis scilicet Nordlandia et Finmarkia utraque indigenas, itineribus annorum 1800, 1802, 1807 et 1810 denuo investigatas.* Berlin: Libraria Scholae Realis, 1812. 8vo. Large folding map of Lapland, hand-coloured in outline, 1 folding engraved table, and 30 engraved plates. Contemporary half-calf over marbled boards. First edition of the author's main work in the field of plant geography, the results of his four excursions to Lapland and northern Norway. The book includes descriptions of well over a thousand plants with an index to genera and species. \$ 1000.00

THE INTERNAL POLITICS OF SPAIN

WATSON, Robert. *The history of the reign of Philip the Third, King of Spain.* Dublin: Price, Whitestone, Watson, etc., 1783. 8vo. Contemporary calf. First Dublin edition, printed the same year as the first London edition. The first part deals with the life of Philip, with the remainder describing the various wars and the political state of Spain, its allies and enemies, during Philip's reign (1598-1621). \$ 650.00

PLANETARY MOTION AND THE DISCOVERY OF NEW COMETS

WATSON, James C. *Theoretical astronomy relating to the motions of the heavenly bodies revolving around the sun in accordance with the law of universal gravitation.* London: Trubner & Co., 1868. 4to. Publisher's pebbled cloth. First edition of this thorough and valuable investigation of theoretical astronomy. \$ 1650.00

TEACHING THE LIBERAL ART OF SCIENCES

WELLS, Edward. *The young gentleman's astronomy, chronology, and dialling, containing such elements of the said arts or sciences, as are most useful and easy to be known.* London: J. Knapton, 1712. Three volumes in one. 8vo. With 25 finely engraved folding plates. Contemporary English paneled calf. First edition; an interesting approach to learning. Divided into three separate works on astronomy, chronology and dialling, he discusses the importance and need for the young student to understand these scientific arts. \$ 750.00

THE STANDARD OF AMERICAN LITERATURE

WHITMAN, Walt. *Leaves of grass.* Brooklyn: [Printed for the Author], 1855. Folio. Engraved frontispiece portrait. Original green cloth mounted onto boards, gilt-lettered and decorated in blind on front and back covers within a triple gilt rule, gilt-lettered and decorated spine (rear cover in remarkable facsimile); very minor spotting on endpapers, otherwise an excellent bright copy. First edition, first issue binding (BAL's and Myerson's Binding A), first state of the frontispiece portrait (on heavy paper), second state of the copyright page as usual, second state of p. iv. "Always the champion of the common man, Whitman is both the poet and the prophet of democracy" (PMM). \$ 95,000.00

[WILKINS, John]. *Mathematicall magick. Or, the wonders that may be performed by mechanicall geometry, in two books. Concerning mechanicall powers [and] motions. Being one of the most easie, pleasant, usefull, (and yet most neglected) part of mathematics. Not before treated in this language.* London: printed by M.F. for Sa: Gellibrand, 1648. 8vo. With 8 engravings. Contemporary calf. First edition of the first book on mechanics in English. Wilkins describes a number of machines that make up his collection of mechanical inventions and devices. Among the most famous are the perpetual motion machines generated by means of magnets, flying machines, submarines, and clocks. \$ 3000.00

PRESENTATION COPY

WOODWARD, John. *An essay toward a natural history of the earth: and terrestrial bodies, especially minerals: as also of the seas, rivers, and springs. With an account of the universal deluge: and of the effects that it had upon the earth.* London: Ric. Wilkins, 1702. 8vo. Contemporary calf, elaborate gilt spine. Presentation inscription from the author. From the library of the Earl of Stradbroke with his oval engraved bookplate and his inscription dated 1827. Second edition of what is considered the beginning of scientific geology in England. This influential book presents the orthodox contemporary views of earth's structure. \$ 3200.00

WRITTEN FROM FIRST-HAND EXPERIENCE

ZANCHI, Giovanni Battista. *Del modo di fortificare le città.* Venice: Plinio Pietrasanta, 1554. 4to. Title within elaborate architectural border, portrait of the author, and 8 text illustrations. First edition of the first Italian book devoted exclusively to fortification of cities. \$ 12,500.00

SEVENTEENTH-CENTURY ENCYCLOPEDIA OF PHILOSOPHY AND THE SCIENCES

ZARA, Antonio. *Anatomia ingeniorvm et scientiarvm sectionibvs qvattuor comprehensa.* Venice: Ex Typographia Ambrosij Dei, & Fratrum, 1615. Four parts in one. 4to. First edition of this philosophical survey of all of human knowledge and the sciences. Zara here describes the different *membra* (parts or sections) of the human psyche -- imagination, intellect, and memory. He creates a portrait of mankind's ingenuity, specifically the capacity of the human brain to create dreams and to sleep-walk, as an example. He promotes natural magic, but denounces what he considers superstition. The third part includes sections on logic, physics, metaphysics, theoretical medicine, and ethics, while the final part treats grammar, music, rhetoric, history, law, and theology. The index references hundreds of authors, philosophers, theologians, lawyers, historians, geographers, poets, and characters and events both historical and mythological. Zara draws from the works of the Spanish physician and psychologist Juan Huarte, as well as Pliny, Hippocrates, Galen, Vesalius, and Paracelsus, among many other authors from antiquity to the Renaissance. \$ 7500.00

MAGNIFICENT COMPLETE HAND-COLORED WORLD ATLAS

ZATTA, Antonio. *Atlante novissimo.* Venice, Antonio Zatta, 1774-1785. Four volumes. Folio atlas. Titles within ornamental border; added double-page engraved title page dated 1779 in Volume one. With 215 flat maps engraved. Full contemporary calf. A lavish copy in superb condition. First edition of Zatta's eighteenth-century masterpiece, the most important world atlas of the period. All maps are hand-colored, with each title in a decorative cartouche surrounded by the architecture, animals, and landscape one was thought to encounter in that particular environment. \$ 90,000.00