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Catalogue 199

Proofs

*Science, Medicine, Natural History,
& Bibliography*

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Selective Subject Index

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Catalogue 199

A Lovely Copy

1. **AGRICOLA, Georg.** *Libri Quinque de Mensuris & Ponderibus: in quibus pleraque à Budaeo & Portio parum animadversa diligenter excutiuntur.* Woodcut printer's device on title (repeated on verso of final leaf, otherwise blank). 261, [9] pp. (lacking final leaf, a blank). Small 8vo, 17th cent. panelled calf (foot of upper joint & head of lower joint with short splits), fleurons in blind in each corner. Paris: C. Wechel, 1533.

\$4750.00

Second edition and a very fine copy, of one of Agricola's most important books which became a standard work on ancient weights and measures. It is "a valuable book of reference on the history of ancient measures... The book is also valuable to the student of Roman and Greek numerals, and of the various symbols of measures. Such works explain the origin of certain systems of measures employed before the metric system was developed, and of such symbols as are still used by apothecaries."—Smith, *Rara Arithmetica*, pp. 171-73—(who, like several other bibliographers, including the Hoovers, describes this in error as the first edition).

Besides these subjects, Agricola treats the value of metals of all kinds and of money both in ancient and modern times. The first edition appeared in the same year at Basel.

A fine copy bound after C.S. Apollinaris Sidonius' *Opera* (Lyons: 1552). On the title of this work is the ownership inscription of Minims's convent at Chateaudun, dated 1652.

• Darmstaedter, *G. Agricola*, pp. 71-74—"especially important for the historian of medicine."

*“A Very Full Account of the State of Chemistry”
With the Rare Appendix of 1814*

2. **AIKIN, Arthur & AIKIN, Charles Rochemont.** *A Dictionary of Chemistry and Mineralogy, with an Account of the Processes employed in many of the most important Chemical Manufactures. To which are added a Description of Chemical Apparatus, and Various Useful Tables of Weights and Measures, Chemical Instruments, &c. &c.* 15 engraved plates. vii, [1], 628 pp.; 2 p.l., 580 pp. Two vols. Large 4to, near cont. cloth-backed boards, red morocco lettering pieces on spines. London: J. & A. Arch and W. Phillips, 1807.

[bound with]:

— *An Account of the Most Important Recent Discoveries and Improvements in Chemistry and Mineralogy, to the Recent Time; being an Appendix to their Dictionary of Chemistry and Mineralogy.* One engraved plate. 2 p.l., 176 pp. Large 4to (minor foxing). London: J. & A. Arch, 1814. \$1950.00

First edition. “The aim of the Dictionary was to cover the parts of chemistry of interest to the manufacturer and the practical chemist. Much of the history of chemistry is omitted as are materials relating to medicine, galvanism, etc. Theoretical matters are treated only sketchily except to give the general principles upon which manufacturing processes depend. Some hitherto unpublished material communicated by friends is included, e.g. in the articles on smelting of copper and iron, in the making of common salt, sal ammoniac, etc.”—Cole 16.

Arthur Aikin (1773-1854), chemistry and science writer, was one of the founders of the Geological Society. His brother Charles R. Aikin, doctor and surgeon, was a member of the Royal College of Surgeons.

A nice set. Red morocco bookplate in each volume of F.B. Lorch.

♣ Duveen, p. 8—“It was published at an interesting period, and gives a very full account of the state of chemistry at the beginning of the 19th century.”

The Chief Composer for Didot le Jeune

3. **(AUCTION CATALOGUE: BAILLY, Antoine Denis).** *Catalogue des Bons Livres du Citoyen A.D. Bailly, Ancien Prote de l’Imprimerie de Didot le jeune; dont la Vente se fera le 3 Frimaire an 9, et jours suivants...* 2 p.l., 84 pp. 8vo, stitched as issued (outer edge of title a little soiled), uncut. Paris: Didot le jeune, Mauger, & Lejeune, 1800. \$2500.00

Bailly (1749-1815), was for many years head compositor of the printing house of Pierre Didot le Jeune (who printed the present catalogue). Bailly explains in the preface that he had been given copies of the books he had composed by their authors and had benefitted from the friendship of Bozérian l’aîné who had

bound many volumes for him. Many of the grandest editions of the 18th century are present and there are interesting sections on typography. We also learn from the preface that Bailly was selling his collection due to ill health and a desire to retire from his profession.

Fine copy. 841 lots and priced throughout in a contemporary hand.

• Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 405. Peignot, p. 78—"Ce catalogue renferme des articles précieux, surtout pour le choix des éditions modernes et la beauté des reliures."

A Great Bibliographer's Library

4. (AUCTION CATALOGUE: BRUNET, J.C.). *Catalogue des Livres rares et précieux composant la Bibliothèque de feu M. Jacques-Charles Brunet . . . Première [-Deuxième] Partie*. xlvii, 143 pp.; xiii, 232 pp. Two vols. in one. 8vo, cont. sheep-backed marbled boards (spine rubbed). Paris: L. Potier & A. Labitte, 1868. \$650.00

A fascinating sale of 2499 lots; the bibliographical section is of the greatest interest. With a memoir of Brunet in Vol. I and a memoir of Mercier by Le Roux de Lincy in Vol. II.

Fine set. The separately published 16-page author's index and prices realized is bound in at the end.

• Blogie, II, cols. 113 & 114.

One of Gabriel Martin's Largest Catalogues

5. (AUCTION CATALOGUE: BULTEAU). *Bibliotheca Bultelliana: seu Catalogus Librorum Bibliothecae . . . Caroli Bulteau, Regi a consiliis & Secretariorum Regiorum decani*. Digestus & descriptus à Gabriele Martin . . . cum Indice Authorum alphabetico. Engraved arms on title. 5 p.l., xxxvi, 499 pp.; 1 p.l., [501]-1035, [78] pp. Two parts in two vols. 12mo, cont. speckled calf (two joints with short cracks at head), spines gilt, contrasting morocco lettering pieces on spines. Paris: P. Geffart & G. Martin, 1711. \$12,500.00

Charles Bulteau (ca. 1630-1710), historian and the King's secretary, took over the library of his brother Louis when Louis entered the Benedictine order. Charles greatly increased the collection and, upon his death, left a library of about 10,000 works. This is one of the most important and extensive catalogues compiled by Gabriel Martin and the first of 22 for which he made an index. Martin refined his system of arrangement, first used in the *Bibliotheca Bigotiana*

(1706), for this catalogue. 8819 lots, including MSS.

Fine set.

• Blogie col. 2. Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 18. Peignot, p. 85. Pollard & Ehrman no. 268 & p. 241—"The Bulteau library catalogue by Gabriel Martin has a note at the end saying that it was printed off before 5 September 1711, and that to conform with the new edict certain books have been taken out of the library and should not form part of the catalogue." Taylor, *Book Catalogues*, pp. 114, 157, & 235.

"Un Fort Bon Catalogue"

6. (AUCTION CATALOGUE: CAILLARD, A.B.). *Catalogue des Livres rares et précieux de la Bibliothèque de feu M. Ant. Bern. Caillard . . .* 2 p.l., 4, [v]-xxxiii, 423 pp. 8vo, cont. polished calf (upper joint and head & foot caps very carefully repaired), sides decorated in gilt, flat spine gilt, red morocco lettering piece on spine. Paris: De Bure père et fils, 1810.

\$1850.00

A reprint, with additions, of the privately printed catalogue (issued in 1805 and limited to 25 copies only) of the library of Antoine Bernard Caillard (1737-1807), French diplomat and man of letters. The present catalogue (2650 lots and limited to 1200 copies) was published for the auction which was held in 1810. This was an important library containing notable incunabula, classical texts, scientific and natural history works, and voyages in the finest possible condition and often printed on large paper. Also included are fine bindings and MSS. There are significant holdings of bibliography.

A very fine and pretty copy; it has the four-page schedule of the sale, which is very rare. Presentation copy, inscribed on the half-title: "Donné à Monsieur Boucher de la Marinière, par son ami S.C. Caillard."

• Brunet, I, 1643. *N.B.G.*, VIII, pp. 108-09—"Il avait formé à grands frais une bibliothèque magnifique." Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 498. Peignot, p. 87—"On y trouve quelques notes bibliographiques plus ou moins exactes. Destiné pour une vente, c'est un fort bon catalogue."

An Important & Enormous Sale

7. (AUCTION CATALOGUE: COLBERT). *Bibliotheca Colbertina: seu Catalogus Librorum Bibliothecae, quae fuit Primum . . . J.B. Colbert . . . deinde J.B. Colbert, March. de Seignelay; postea . . . J. Nic. Colbert . . . ac demum Caroli-Leonorii Colbert, Comitibus de Seignelay*. Three vols. 12mo, cont. speckled calf (head of spine of Vol. I with tiny chip), double gilt fillet round sides, spines gilt, contrasting leather lettering pieces on spines. Paris: G. Martin

& F. Montalant, 1728. \$11,500.00

The scarce sale catalogue of the enormous library formed by Jean-Baptiste Colbert (1619-83), statesman and minister to Louis XIV. This catalogue contains 18,219 lots but as many lots were bundles, it has been estimated by Guigard that there were roughly 60,000 to 70,000 books and MSS. in the library. After Colbert's death, the collection was added to by his descendants. Colbert was a great patron of the arts, sciences, and literature and his library reflects his wide activities and interests.

A fine set.

• Blogie cols. 2-3. Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 28. Guigard, II, pp. 152-54. Peignot, p. 90. Pollard & Ehrman no. 270. Taylor, *Book Catalogues*, p. 237.

*"Numerous Volumes of the Greatest Beauty"
A Large & Thick Paper Copy*

8. (AUCTION CATALOGUE: DENT). *Catalogue of the Splendid, Curious, and Extensive Library of the late John Dent, Esq. F.R.S. and F.S.A. . . . which will be sold by Auction by Mr. Evans. . . .* 1 p.l., 84 pp.; 1 p.l., 94, [1] pp. Two parts in one vol. 8vo, cont. blue half-calf & marbled boards (minor scuffing), flat spine gilt, uncut. [London]: 1827. \$1350.00

A fine large and thick paper copy, priced throughout in a contemporary hand with buyers' names. "Also in 1827 was dispersed the even more valuable library of John Dent (29 March and 25 April), containing numerous volumes of the greatest beauty, several remarkable illuminated manuscripts, the second volume of the first Homer on vellum (afterwards in the Phillipps collection), the 1462 Bible, and a number of other books printed on vellum, such as the 1469 Livy from the Canonici, Edwards and Sykes collections (now in the Grenville library)."—De Ricci, p. 99.

John Dent (ca. 1760-1826), banker and M.P., was in his last years "a virtual cipher in the Commons. Tortured by tic douloureux, he threw himself off a cliff near his villa in 1825, but survived. He retired from parliament at the dissolution in 1826."—ODNB. Quaritch, in 1895, described Dent as "a truly royal collector, who knew what was good to have, and who spared no pains or expense to have it."

Fine copy. This copy lacks the leaf announcing the second Dent sale. It is usually found at the end of the first part and, for obvious reasons, is not present.

9. (AUCTION CATALOGUE: GERSAINT, Edme François). *Tableaux, Estampes et Desseins qui se trouvent dans le Fond de feu Mr. Gersaint*. 14, [1] pp. 8vo, modern boards. Paris: Prault, 1750. \$1350.00

Extremely rare; no copy in *N.U.C.*, OCLC, or RLIN. Gersaint (d. 1750), was the leading auctioneer of the time in Paris of art objects and natural history specimens. Gersaint was not only an auctioneer with an exceptional ability to immediately and accurately evaluate paintings, prints, and natural history objects but a true scholar.

Upon his death, there were two large catalogues in 1750 of his books, paintings, drawings, and engravings. The present catalogue — a third sale — describes merchandise purchased by Gersaint on his final trip to Holland and which did not arrive in time to be put in the larger catalogues. This catalogue also contains many Chinese porcelains; 41 lots.

Fine copy.

Ruled in Red With Prices & Buyers' Names

10. (AUCTION CATALOGUE: HANROTT, P.A.). *Catalogue of the Splendid, Choice, and Curious Library of P.A. Hanrott, Esq. Part the First [-Fifth]...which will be sold by Auction, by Mr. Evans...* Five parts in one vol. 8vo, cont. purple half-morocco & marbled boards (very expertly rebaced with the orig. spine laid-down), spine gilt, t.e.g., others uncut. London: 1833-33-34-34-34. \$1500.00

A complete set, ruled in red with prices and buyers' names throughout in a contemporary hand; this is a very uncommon sale catalogue. "Little seems to be known about P.A. Hanrott, but it is obvious that he was a collector of no mean learning...His large library...contained many books printed on vellum, a number of manuscripts, fine incunabula, books on large paper or printed on vellum, according to the usual Dibdinian formula."—De Ricci, pp. 100-01.

This was one of the most important collections sold during this time, containing books printed by Fust and Schöffer (on vellum), Caxton and other early English printers, *editiones principes*, such as the Homer of 1482, *Chroniques de France*, 1476, as well as outstanding copies of the great books down the ages. The 10,831 lots of the five parts realized £22,425, 7s 6d.

Hanrott spent about 40,000 pounds while forming his library and was forced to sell it when his investments in sugar plantations in the West Indies collapsed due to the abolition of slavery.

Very good copy. Bookplates of Henry B.H. Beaufoy, F.R.S., and E.P. Goldschmidt.

✦ Gustave Brunet, *Dictionnaire de Bibliologie Catholique*, cols. 565-66—"cette très-importante collection."

An Important Collections of Elzeviers

11. (AUCTION CATALOGUE: MARTIN, Louis Aimé). *Catalogue des Livres de la Bibliothèque de M. Aimé-Martin... dont la vente se fera le Lundi 28 Novembre 1825, et jour suivants*. 4 p.l., 234, [6] pp. 8vo, attractive antique calf-backed boards, spine gilt, uncut. Paris: A.A. Renouard, 1825. \$1250.00

Martin (1786-1847), French man of letters and librarian at Sainte-Geneviève, was the author of the famous popularization of science — *Lettres à Sophie* (1810) as well as many other scholarly and dramatic works. "Cet homme de lettres eut deux bibliothèques livrées aux enchères : la première en 1825 avait été achetée en bloc par M. Renouard qui la mit en vente publique après avoir gardé quelques articles précieux (73). Le catalogue comprend 2716 numéros et 425 pour le supplément. Il y avait un grand nombre d'éditions elzéviriennes et un choix précieux d'ouvrages intéressants en tout genre. Les reliures étaient fort soignées, quelques-unes somptueuses."—Brunet, *Dictionnaire de Bibliologie Catholique*, col. 405.

The library was rich in belles-lettres and history, elegantly bound in half bindings by Thouvenin, Purgold, and Simier.

Nice uncut copy.

✦ Grolier Club, *Printed Catalogues of French Book Auctions...1643-1830*, 590. N.B.G., Vol. 34, cols. 48-50.

12. (AUCTION CATALOGUE: [MÉON, Dominique Martin]). *Catalogue des Livres précieux, singuliers et rares, tant Imprimés que Manuscrits, qui composaient la Bibliothèque de M. dont la vente se fera... le 15 Novembre 1803... et jours suivans... xxiv, 522, 4 pp., one leaf of errata*. 8vo, slightly later sheep-backed marbled boards (minor rubbing), flat spine gilt, uncut. Paris, Bleuete jeune, 1803. \$2500.00

The very uncommon sale catalogue of the library of Méon (1748-1829), who is described in a contemporary note on the title as "Commis au Bureau de la Guerre." Méon, though employed in the War Ministry, was a scholar specializing in early French literature. He had taken advantage of the disorder of the French Revolution to buy quantities of valuable books cheaply. But by 1799, he was destitute and obliged to send his precious collection to auction. According to the sales notice, the collection was second only to the duc de la Vallière's library from the points of view of variety, choice of copies, and excellence of early editions. The sale catalogue describes many early French romances and plays, belles-lettres, and historical writings. His bibliographical knowledge later earned him a position at the Bibliothèque Impériale, which dismissed him for poor librarianship. But in 1826, now "Royale," reappointed him, eventually granting him a pension. Méon was the editor of several

important texts, including the *Le Roman du Renard* (1825).

This is an interesting copy, priced throughout in a contemporary hand. Quite often, buyers' names are supplied and there are many notes throughout in the same hand, furnishing bibliographical details or notes on condition. This copy also has the four-page "Ordre des Vacations" and errata leaf. 4166 lots.

Fine copy.

✦ Brunet, III, 1639. Grolier Club, *Printed Catalogues of French Book Auctions... 1643-1830*, 446. *N.B.G.*, 34, 1020-21. Peignot, p. 113—"Catalogue curieux pour les livres bizarres et singuliers."

One of the Largest of the 18th-Century Shell Collections

13. (AUCTION CATALOGUE: MEYER, Christian Paul). *Museum Meyerianum, sive Catalogus Rerum naturalium, et nonnullarum Artefactarum, quas... suos in Usus collegit Christianus Paulus Meyer, Mercator quondam apud Amstelædamenses diligentissimus.* Quarum publica fiet auctio, in Aedibus defuncti, du 4 octobris 1802 et seqq. iv, 276 pp. 8vo, attractive modern boards. Utrecht: B. Wild, J. Altheer, & the Widow of J. V. Schoonhoven, [1802]. \$4500.00

The rare sale catalogue of the natural history cabinet of Christian Paul Meyer, a merchant in Amsterdam and Utrecht who formed one of the greatest of all shell collections. Meyer "was visited on 12 August 1777 by the traveller H. Sander, who has left us an amusing and illuminating account of this collector and his collection. Sander found a Saxon of half Dutch, half German descent: 'He collects nothing but shells although he also has some minerals and curiosities. He purchases whole cabinets and does so because he want to be famous for having the biggest and most complete cabinet. He has this in fact, but in very poor order. From his additional stock one could easily make six more cabinets. He has very little knowledge, he only knows the commercial names'."—Dance, *Shell Collecting. An Illustrated History*, p. 83 & see p. 236. Meyer owned one of the great rarities of the time, a "glassy nautilus."

2638 lots, including minerals, fossils, art, scientific and musical instruments, and cabinets. The text is in Latin and French on facing pages. N. C. de Fremery (1770-1844), professor of chemistry and natural history at Utrecht, has furnished a two-page introduction.

Fine copy.

✦ Wilson, *The History of Mineral Collecting 1530-1799*, p. 183.

14. (AUCTION CATALOGUE: MOTTELEY, J. Charles). *Catalogue des Livres de la Bibliothèque de M. Motteley, composée d'une Collection considérable d'Elzéviros et autres beaux Livres et Manuscrits rares, précieux et singuliers, la*

plupart reliés par Desseuil, Padeloup, Derome, Simier, Purgold, Thouvenin et Vogel; dont la vente se fera le jeudi 2 décembre 1824, et jours suivans... 4 p.l., 219, [1] pp., one leaf with schedule of the sale. 8vo, attractive antique blue calf-backed boards, spine gilt, uncut. Paris: Silvestre, 1824.
\$950.00

An important sale. "Ce catalogue renferme une réunion très-nombreuse de livres imprimés par les Elzeviers; il en est de très-rares et qui étaient jusqu'alors restés inconnus aux bibliographes."—Brunet, *Dictionnaire de Bibliologie Catholique*, col. 498. A large number of Motteley's books come from the libraries of de Thou and the Comte d'Hoym.

We learn from the same source that Motteley (1778-1850), lived as a hermit, alone and isolated in a rundown apartment. He was afraid to make home repairs because of his fear of disturbing the treasures on which he had spent so much money.

Of the 2173 lots, approximately 550 are attributed to the Elzeviers; a number of the items are accompanied by useful printed notes and include an expansive contribution by Charles Nodier on lot 533.

Fine copy.

• Grolier Club, *Printed Catalogues of French Book Auctions...1643-1830*, 587.

One of Twenty Large & Fine Paper Copies

15. (AUCTION CATALOGUE: OURCHES). *Catalogue des Livres rares, précieux et bien conditionnés du Cabinet de M.***... par J.-Ch. Brunet.* xvi, 304 pp., 2 leaves. Large 8vo, orig. boards (extremities a little worn), red morocco lettering piece on spine, uncut. Paris: Brunet, 1811. \$2950.00

A famous collection, rich in 15th-century books including a Gutenberg Bible (lot 2); other early printed books, often-times printed on vellum; and a grand series of *éditions de luxe* and natural history books. Léon d'Ourches lived in Nancy, close to the border of Germany which enabled him to purchase many of the monuments of the earliest printers.

Very good large and fine paper copy, one of twenty, according to Brunet and confirmed by Graesse, printed on "papier Jésus de Hollande." The final two leaves are inserted: this rare bifolium contains the schedule and conditions of the sale and the errata.

• Brunet, I, 1645—"Ce cabinet riche en éditions du XV^e siècle a produit 115,006 fr." Horne, p. 715—"This catalogue, which is very ably executed by M. Brunet, comprises 1571 articles. They consisted of some of the most antient editions of the 15th century, a fine series of most of the Greek and Latin classics, on large paper, books printed on vellum, and some splendidly illuminated MSS. beside numerous costly works on natural history. The whole were in very fine condition, and produced exorbitant sums." Grolier Club, *Printed Catalogues of*

French Book Auctions . . . 1643-1830, 516–(small paper copy). Peignot, p. 482–“Ce catalogue, composé de 1571 articles, peut être mis à côté des ouvrages du même genre les plus estimés.”

16. BAADER, Joseph von. *Ueber die Vortheile einer verbesserten Bauart von Eisenbahnen und Wagen, welche an einer auf allerhöchsten Befehl zu Nymphenburg ausgeführten Vorrichtung durch wiederholte öffentliche Versuche sich bewährt haben.* 72 pp. Large 4to, self-bound. Munich: E.A. Fleischmann, [1826]. \$2250.00

First edition and scarce. Baader (1763-1835), a famous mining expert and Chief of the Bavarian Mining Council, traveled as a student in England and Scotland, where he learned of the most recent technological developments taking place there. While in Edinburgh, he designed a new blasting machine for iron mines which had considerable success and became known as the *Baadersches Geblaese*. His greatest contribution to science was, however, his devotion, through propaganda and the power of his position, to the building of railways in Bavaria.

In this work, Baader describes a series of tests which he undertook to develop lighter and stronger wagons and railways with greater durability. The author had constructed in the castle park at Nymphenburg a railway in August 1825 where he conducted a series of experiments for eight months. Baader describes his own results, the most recent developments in railway engineering taking place in Britain, and emphasizes the advantages railways have over canals. The present book was influential in France.

Fine copy.

• A.D.B., I, pp. 725-26. Poggendorff, I, 80-81–(erroneously giving the date of this work as 1825).

17. BALDINUCCI, Filippo. *Notizie de' Professori del Disegno da Cimabue in qua, per le Quali si Dimostra come, e per chi le bell' Arti di Pittura, Scultura, e Architettura lasciata la rozzezza delle maniere Greca, e Gottica, si siano in questi secoli ridotte all' antica loro perfezione.* Woodcut Medici arms on title. 8 p.l., 68, [4] pp. Large 4to, cont. calf, arms in gilt of Nicolas Joseph Foucault on covers, spine gilt, contrasting morocco lettering piece on spine. Florence: Santi Franci, 1681. \$1950.00

First edition of Baldinucci's biographical history of Italian art and architecture from 1260 to 1300. The author's son, Francesco Saverio Baldinucci, edited the remaining five volumes published in the years 1686-1728 and covering the period 1300 to 1670. This is a very handsome copy from the library of Nicolas Joseph Foucault (1643-1721), statesman and archeologist, with his arms in gilt on

the covers and his armorial bookplate.

Baldinucci's work was based on published sources as well as original research with unpublished manuscripts and documents and is considered by Cicognara to be a worthy successor to Vasari.

Fine and crisp copy.

• Brunet, I, 622—"Cet ouvrage est difficile à trouver complet."

An Important Collection of Mining Texts

18. BARBA, Alvaro Alonso, PLATTES, Gabriel & HOUGHTON, Thomas. *A Collection of Scarce and Valuable Treatises, upon Metals, Mines, and Minerals. In Four Parts. Part I. and II. Containing the Art of Metals, written originally in Spanish. By the learned Alvaro Alonso Barba... Translated by the Earl of Sandwich, in the year 1669. Part III. Containing that Invaluable Piece of Mr G. Plattes, viz. a Discovery of all Sorts of Mines from Gold to Coal. Part IV. Houghton's Compleat Miner.* One engraved plate & one full-page woodcut on p. 57 of the final part. 6 p.l., 170 pp. 4 p.l., [171]-215 pp.; 3 p.l. (the first a blank), 66 pp., one leaf of ads. Four parts in one vol. Small 8vo, cont. unlettered calf (rebacked preserving the orig. spine, sides a little rubbed). London: Printed by C. Jephson...for O. Payne, 1738. \$3250.00

First edition of this collection of important treatises on mining and metallurgy, incorporating the third edition in English of Barba's *The Art of Metals*, the fifth edition of Gabriel Plattes' *A Discovery of Subterranean Treasure*, and the sixth edition of Thomas Houghton's *Rara Avis in Terris, or the Compleat Miner*. They were collected and published together because of the rarity of the original editions and the lack of other good works on the subject.

Barba's book, first published in Spanish in 1640 and in English in 1670, was a celebrated treatise on mining and metallurgy, the first significant work on the subject in Spanish, and the first work on mining in the Americas. Gabriel Plattes' *Discovery of Subterranean Treasure*, first published in 1639, was the first useful text in English dealing with metallurgy, and includes the earliest description in English of the separation of gold and silver by the use of nitric acid. Houghton's work, first published in 1681, was the first English work on lead mining. It contains the laws and customs of the Derbyshire lead mines and explains the terms used by miners.

A fine copy, with separate title-pages to Parts II-IV. Signature of William Hutchinson of Eggleston (1732-1814), topographer of northern England, with his armorial bookplate.

• Ferguson I, p. 170 (describing the 2nd ed. of 1740). Hoover 225. Neville I, p. 73.

A Fine Copy

19. **BARCHUSEN, Johann Conrad.** *Pyrosophia, Succincte atque breviter Iatro-Chemiam, Rem Metallicam et Chryosopoeiam peruestigans. Opus Medicus, Physicis, Chemicis, Pharmacopoeis, Metallicis & non inutile.* Woodcut vignette on title & five engraved plates (one folding). Title printed in red & black. 8 p.l., 469, [1] pp. Small 4to, cont. smooth vellum over boards (a little splayed). Leyden: C. Boutestein, 1698. \$5000.00

First edition and a very fine copy. Barchusen (1666-1723), taught chemistry and medicine at the University of Utrecht from 1694, where the city fathers provided him with a laboratory. "The *Pyrosophia* is a formal, systematic textbook that deals with the principles of chemistry, both theoretical and practical, and then attempts to demonstrate their applications to natural philosophy, medicine, metallurgy, and alchemy. The bulk of the work is descriptive, preparative iatrochemistry of a conventional type; but the syllabi of his laboratory courses for 1695 to 1697, included as an appendix to the volume, show an increasing tendency to emphasize chemistry as the analysis and synthesis of bodies by fire, relegating the preparative iatrochemistry to a second part of the course. All the syllabi contain sections devoted to metallurgical assay and to alchemy. In this last part, the students were shown how most alleged transmutations could be explained in terms of displacement reactions of metals."—*D.S.B.*, I, p. 451.

The large folding engraved plate at page 62 depicts the interior of the laboratory at Utrecht, with Barchusen (?) seated at a table holding a balance.

Fine and fresh copy.

• Hoover 88. Neville, I, p. 76.

20. **BARTOLI, Cosimo.** *Del Modo di Misurare le Distantie, le Superficie, I Corpi, le Piante, le Provincie, le Prospettive, & tutte le altre cose Terrene.* Two folding woodcut plates. Title within allegorical woodcut border, woodcut portrait of the author on A2r, and numerous pictorial & diagrammatic woodcuts in the text (some full-page). Text printed throughout in italic. 4 p.l., 141, [3] leaves. 4to, 18th-century half-vellum & marbled boards (original paper flaw in H2 affecting a few letters without loss), gilt label on spine. Venice: F. Franceschi, 1564. \$2750.00

First edition of a popular work on surveying and practical mensuration. Riccardi considered this to be among the best of the 16th-century books on mensuration. It deals with solid or hollow bodies of various shapes and sizes, as well as the measurement of large heights, distances and areas. The book gives a particularly good account of early surveying methods and instruments, and Book IV is on cartographic surveying and the compass. Book V is on Euclidean proofs relating to measurements contained in Book I, and Book VI is on square

and cube roots. Bartoli was a translator of many learned works, mathematical elements of which are included in the present work, including those of Oronce Finé, Leon Battista Alberti, Apianus, etc.

An excellent copy.

✦ Berlin Kat. 1701. Kiely, *Surveying Instruments*, p. 190. Mortimer 45. Riccardi, I, 90. Smith, *Rara Arithmetica*, 315–(describing 2nd ed. of 1589 only). See Bryce, *Cosimo Bartoli (1503–1572). The Career of a Florentine Polymath* (Geneva, 1983), pp. 163–183.

21. BAUMÉ, Antoine. *Manuel de Chymie, ou Exposé des Opérations et des Produits d'un Cours de Chymie. Ouvrage utile aux personnes qui veulent suivre un Cours de cette Science, ou qui ont dessein de se former un Cabinet de Chymie.* xii, 495, [1] pp. 8vo, slightly later half-sheep, spine gilt, red leather lettering piece on spine. Paris: Didot et al., 1763. \$1750.00

First edition of a very scarce and popular book; there were several later editions in French and translations into German, Italian, and English. "A compact introductory and review textbook covering the basis of all of the principal operations of chemistry and the substances treated therein."—Cole 54.

Baumé (1728-1804), was one of the leading apothecaries of Paris and manufactured drugs and other chemicals in large quantities. The researches of Baumé "cover almost the whole field of chemistry, and they were not confined to the science itself, but extended to chemical technology and to the application of the science to manufactures."—Ferguson, I, p. 84.

Very good copy. Long manuscript commendatory note about Baumé's *Chimie expérimentale et raisonnée* on verso of title with some show-through, diminishing brown stain in upper corner of first 20 leaves, ink stain in lower margin of last page. Two old inscriptions on title-page, including "Blanchard aîné" (deleted) in lower margin.

✦ D.S.B., I, p. 527. Neville, I, p. 97—"Rare." Partington, III, pp. 90-95.

22. BAYEN, Pierre & CHARLARD, Louis Martin. *Recherches Chimiques sur l'Étain, faites et publiées par Ordre du Gouvernement; ou Réponse a cette Question: Peut-on sans aucun danger employer les Vaisseaux d'Étain dans l'usage économique?* viii, 285 pp. 8vo, cont. blue boards (corners & head of spine a bit worn), spine gilt. Paris: P.D. Pierres, 1781. \$1500.00

First edition. "This government ordered study was undertaken to determine whether tin from various sources contains arsenic in large enough amounts to make the use of vessels of tin harmful to health. Bayen and Charlard (Rouelle had been named to work with them but he died before the work began)

repeated the experiments of Marggraf and added new ones. Their conclusion was that tin contained no arsenic or only minute harmless traces. In the course of the many experiments the nature and reactions of tin were examined in detail. The Avant-Propos contains a history of tin.”—Cole 64.

Bayen (1725-98), was one of the first to doubt the phlogiston theory and performed noteworthy experiments on calcination; he is considered a forerunner of Lavoisier.

Very good copy.

• D.S.B., I, pp. 529-30. Duveen, p. 54. Neville, I, p. 101—“A classic work.” Partington, III, pp. 394-99.

Much Revised by Bergman

23. BERGMAN, Torbern Olof. *Opuscules Chymiques et Physiques...recueillies, revues et augmentées par lui-meme.* Traduits par M. De Morveau, Avec des Notes. Four folding engraved plates & one folding printed table. 8 p.l., xxxi, [1], 446 pp., 1 leaf; 2 p.l., xvi, 525, [1] pp., 1 leaf of errata. Two vols. 8vo, cont. mottled calf (neat repairs to spines & tips of corners), spines gilt, red morocco lettering piece on spines. Dijon: L.N. Frantin, 1780-85. \$1500.00

First edition in French of the first two volumes of the *Opuscula Physica et Chemica* by Bergman (1735-84), the famous Swedish chemist. The translation was made by Guyton de Morveau (but according to Partington it was done by Mme. Picardet, supervised by Guyton), with the approval of Bergman who supplied a large number of corrections and additions, appearing here for the first time. Guyton himself added an introduction to each volume and a great number of long and valuable notes. When Bergman died, Guyton discontinued the translation.

Very good set. Bookplates of Thomas Hun.

• Cole 104. Duveen, pp. 66-67. Partington, III, p. 183—(calling the second volume “very rare”).

24. BERGMAN, Torbern Olof. *Traité des Affinités Chymiques, ou Attractions électives;* Traduit du Latin, sur la dernière édition de Bergman. Augmenté d’un supplément & de notes. Four folding engraved plates & three large folding printed tables. 4 p.l., 444 pp., 1 leaf of approbation. 8vo, cont. mottled calf (short tears in lower margin of A8, heading at top of plate 3 shaved but legible), spine gilt. Paris: Buisson, 1788. \$1350.00

First edition in French of Bergman’s book on elective affinity, one of his most important contributions to chemistry. He was the first to draw up tables of chemical affinity between two substances, one for wet and another for dry

reactions. "Bergman was the first to recognise the effect of heat on chemical affinities and in his work he gives tables of affinities which are still recognized as being substantially correct and complete. He was also the first to introduce the idea of double affinity"—Duveen, p. 67.

The French edition contains a supplement and very extensive notes by the translator, François Joseph Bonjour (1754–1811), who was Berthollet's assistant. The notes are antiphlogistic in nature and include unpublished material by Berthollet.

Fine copy. Small paper label of Fabroni on title-page, probably the Italian chemist Giovanni Fabroni (1752–1822).

♣ Cole 98. Neville I, p. 127. Partington III, p. 184.

A Lovely Copy from the La Rochefoucauld Library with Arms

25. BION, Nicolas. *Traité de la Construction et des Principaux Usages des Instrumens de Mathématique...Troisième Edition, Revûe, corrigée & augmentée...* Finely engraved allegorical frontis. & 37 folding engraved plates. Title printed in red & black. 5 p.l. (incl. frontis.), 431, [7] pp., one leaf of errata. Large 4to, cont. mottled calf, La Rochefoucauld arms in gilt on covers, spine richly gilt, red morocco lettering piece on spine. Paris: M. Brunet et al., 1725. \$7500.00

Third edition, revised, corrected, and enlarged, and a very fine and handsome copy from the La Rochefoucauld library with arms in gilt on each cover. Bion (ca. 1652-1733), King's engineer for mathematical instruments, was one of the leading instrument makers in France of his time, "producing globes, sundials, mathematical instruments, and mechanical machines with equal accuracy...Bion published several works, and they as well as his instruments were probably responsible for his fame...These writings had great success and went into many editions."—*D.S.B.*, II, pp. 132-33.

This was one of the most comprehensive works on scientific instruments of the time. The instruments described here include mathematical and astronomical apparatus, slide-rules, the compass of proportion, micrometers, microscopes, pendulum clocks, navigational instruments, globes, sundials, etc.

Fine and fresh copy. Stamp of the Chateau de La Roche Guyon on title. The first edition appeared in 1709.

The First Systematic Book on Mining & Metallurgy

26. BIRINGUCCIO, Vannuccio. *Pirotechnia. Li Diece Libri Della Pirotechnia, Nelli quali si tratta non solo la diversità delle minere, ma ancho quanto si ricerca alla prattica di esse: e di quanto s'appartiene all'arte della fusione ouer getto de metalli, e d'ogni altra cosa à questa somigliante.* Title

within woodcut border & numerous woodcut illus. in the text. 8 p.l., 168 leaves. Small 4to, cont. limp vellum. [Venice: Comin da Trino for C. T. de' Navò], 1558. \$7500.00

Third edition of the first systematic book on mining and metallurgy; according to Cyril Stanley Smith, the second edition of 1550 and our edition are far superior to the first edition of 1540 for in that earlier edition "the type is worn, poorly aligned, and arranged in a solid mass, unrelieved by paragrapping."—Smith & Gnudi, *The Pirotechnia* (1943), pp. xix-xx.

Biringuccio (1480-1539?), after travelling throughout Italy and Germany, inspecting metallurgical operations and running an iron mine and forge at Boccheggiano, was appointed director of the mint at Siena. He later cast cannon and built fortifications for the Este and Farnese families. At the time of his death he was head of the papal foundry and director of papal munitions at Rome.

This work embraces the whole field of technology. It "was written for the practicing metallurgist, foundryman, dyer, type-founder, glass-maker, and maker of gunpowder, fireworks and chemicals used in warfare."—Dibner, *Heralds of Science*, 38—(1st ed. of 1540).

"Virtually all of Biringuccio's descriptions are original. He is important in art history for his description of the peculiarly Renaissance arts of casting medallions, statues, statuettes, and bells. His account of typecasting, given in considerable detail, is the earliest known. The *Pirotechnia* contains eighty-three woodcuts, the most useful being those depicting furnaces for distillation, bellows mechanisms, and devices for boring cannon and drawing wire...

"The *Pirotechnia* is a prime source on many practical aspects of inorganic chemistry. Biringuccio emphasizes the adaptation of minerals and metals to use — their alloying, working, and especially the art of casting, of which he writes in great detail. In this area he is far better than the two other sixteenth-century authors with whom he is inevitably compared, Georgius Agricola and Lazarus Ercker...

"Biringuccio's approach is in strong conflict with that of the alchemists, whose work he evaluates in eleven pages of almost modern criticism, distinguishing their practical achievements from their theoretical motivations...

"Biringuccio has been called one of the principal exponents of the experimental method."—*D.S.B.*, II, p. 143.

A fine crisp copy. Old stamp on title very carefully erased, touching one letter.

• Brunet, I, 954. Duveen, p. 80. Partington, II, pp. 32-37. Singer, *History of Technology*, III, p. 27 & passim. Wolf, *History of Science*, I, p. 486.

27. BIRINGUCCIO, Vannuccio. *Pirotechnia...nella quale si tratta non solo della diversità delle minere, ma ancho di quanto; si ricerca alla pratica di esse. E di quanto s'appartiene all'arte della fusione, ò getto, de metalli. Far*

campane, artiglierie, fuochi artificati, & altre diverse cose utilissime. Nuovamente corretta, et ristampata. Woodcut device on title & numerous woodcuts in the text. 345, [7] leaves. Small 8vo, cont. vellum (some foxing, dampstain in fore-edge margin of first & last leaves). Venice: P.G. Giglio, 1559. \$4000.00

Fourth edition of the first systematic book on mining and metallurgy.

A very good copy. Upper cover of binding a little stained and with a few small holes in the vellum. Early inscription erased from title leaving two tiny holes. Bookplate of Clifton College Science Library.

♣ Brunet, I, 954. Duveen, p. 80. Partington, II, pp. 32-37. Singer, *History of Technology*, III, p. 27 & passim. Wolf, *History of Science*, I, p. 486.

28. BOLLETTI, Giuseppe Gaetano. *Dell' Origine e de' Progressi dell' Istituto delle Scienze di Bologna e di tutte le Accademie ad esso unite, con la descrizione delle più notabili cose, che ad uso del Mondo letterario nello stesso Istituto si conservano.* Engraved vignette on title & four folding engraved plates. 111, [1] pp. 8vo, attractive antique speckled calf (some foxing), double gilt fillet round sides, spine gilt, red morocco lettering piece on spine. Bologna: Lelio dalla Volpe, 1769. \$650.00

Fourth edition (1st ed.: 1751) of the history of the origins and activities of the Academy of Sciences of the Institute of Bologna (founded in 1714), one of the leading scientific academies of the 18th century.

Very good copy.

♣ Riccardi, I, 145—"Abbiamo registrato questo libro...per l'importanza che esso presenta per la storia della scienza."

29. (BONCOMPAGNI, Baldassarre). *Catalogo di Manoscritti ora posseduti da D. Baldassare Boncompagni...Seconda Edizione notabilmente accresciuta, contenente una Descrizione di 249 Manoscritti non indicati nella prima, e corredata di un copioso Indice.* Compiled by Enrico Narducci. viii, 520 pp. Large 8vo, orig. printed wrappers bound in later half-vellum & marbled boards, uncut. Rome: 1892. \$450.00

Second edition, enlarged, of this catalogue describing the magnificent collection of manuscripts in the library of Prince Boncompagni (1821-94), the eminent historian of mathematics and physics. Some of the manuscripts were inherited and some were purchased by Boncompagni himself. His library, consisting of the inherited portion and his own collections, was considered the largest Italian library of the nineteenth century. His heirs sold by auction the

family library in 1897 and the Prince's personal library in 1898.

614 manuscripts are very fully described including many scientific examples.

Fine copy. Bookplate of William Semprini.

• *D.S.B.*, II, pp. 283-84.

30. BONNET, Charles. *Oeuvres d'Histoire Naturelle et de Philosophie.* Fine engraved frontis. port. of Bonnet in Vol. I, three folding printed tables, 56 engraved plates (mostly folding), & many engraved vignettes. Eight vols. bound in ten. Large 4to, cont. red sheep-backed marbled boards, flat spines gilt. Neuchâtel: S. Fauche, 1779-83. \$4750.00

First edition, and a very fine and pretty set of the large 4to issue, of the collected scientific and philosophical writings of Bonnet (1720-93). He "is considered one of the fathers of modern biology. He is distinguished for both his experimental research and his philosophy, which exerted a profound influence upon the naturalists of the eighteenth and nineteenth centuries."—*D.S.B.*, II, p. 286.

Fine set in an attractive binding.

• See Garrison-Morton 308 & 472.

31. (BORRROMEO, Anton Maria). *Notizia de' Novellieri Italiani posseduti dal Conte Anton-Maria Borromeo, Gentiluomo Padovano con alcune Novelle inedite.* 1 p.l., [iii]-xxi pp., 1 leaf, 243 pp. 8vo, modern vellum-backed cloth (small faint stain on title), uncut. Bassano: 1794. \$450.00

The first catalogue describing Count Borromeo's collection which is, according to Archer Taylor, the "foundation of the bibliography of the Italian novellieri."—*Book Catalogues*, p. 138. It was Borromeo's interest in the Italian novellieri which revived the taste for this literary genre amongst his contemporaries and caused many of the novels to be newly printed and imitated. After the death of Borromeo in 1813, Payne and Foss, the English booksellers, acquired the collection which was sold at auction in London in 1817.

Very good copy.

• Brunet, I, 1121. Peignot, p. 449—"fort curieuse."

The Father of Photometry

32. BOUGUER, Pierre. *Essai d'Optique, sur la Gradation de la Lumiere.* Three folding engraved plates. 12 p.l. (the first leaf is a blank), 164, [4] pp. 8vo, cont. calf (upper joint cracked but firm, upper corners a bit worn),

spine gilt, red morocco lettering piece on spine. Paris: C. Jombert, 1729.
\$4500.00

First edition of the work which clearly established Bouguer as the discoverer of the first practical way of measuring light, as well as nearly all the photometric theory.

"Bouguer's achievement was to see that the eye could be used, not as a meter but as a null indicator, i.e., to establish the equality of brightness of two adjacent surfaces. He then made use of the law of inverse squares, first clearly set forth by Kepler. In his *Essai d'optique sur la gradation de la lumière* (1729), he showed how to compare lights in this way; he then went on to deal with the transmission of light through partly transparent substances. In the latter part of the *Essai*, Bouguer published the second of his great optical discoveries, often called Bouguer's law: In a medium of uniform transparency the light remaining in a collimated beam is an exponential function of the length of its path in the medium. This law was restated by J.H. Lambert in his *Photometria* (1760) and, perhaps because of the great rarity of copies of Bouguer's *Essai*, is sometimes unjustifiably referred to as Lambert's law."—*D.S.B.*, II, p. 343.

Very good copy.

33. (BYROM, John). *A Catalogue of the Library of the late John Byrom, Esq., M.A., F.R.S., formerly Fellow of Trinity College, Cambridge, Preserved at Kersall Cell, Lancashire.* Engraved frontis. of Kersall Cell. 2 p.l., [3]-249 pp. 4to, orig. blind-stamped cloth (neatly rebacked with the orig. spine laid-down). [London]: Printed for Private Circulation Only, 1848. \$450.00

The rare catalogue of the library of John Byrom (1692-1763), poet, inventor of a novel and successful shorthand system, and a Fellow of the Royal Society. His library remained in the possession of his descendants at his house at Broughton near Manchester and included many works by his friends Bishop Hoadly, Richard Bentley, John Wesley, Anthony Collins, and William Law.

Very good copy. Bookplate of Giles Shaw.

• Martin, p. 529.

34. (CAPUCHIN ORDER). *Bibliotheca Scriptorum Ordinis Minorum S. Francisci Capuccinorum...* By Dionigi, da Genova & ed. by Bernardo da Bologna. Finely engraved allegorical frontis. & numerous engraved headpieces. 11 p.l. (incl. frontis.), 322, [1] pp. Small folio, 19th cent. half-vellum & boards. Venice: S. Coleti, 1747.

[bound with]:

(—). ...*Appendix*... [By Johann Maria von Regensburg]. 56 pp. Small folio. Rome: Bertinelli, 1852. \$1750.00

Third and best edition of the first work and first edition of the *Appendix*. This is the earliest and, for several centuries, the standard bio-bibliographical guide to members of the Capuchin order. About 3000 authors are listed, each with a biographical sketch and a list of their writings. The first edition appeared in Geneva in 1680 and there was a 1691 second edition.

Fine copies.

☛ Besterman, *The Beginnings of Systematic Bibliography*, pp. 55-56. Besterman 1135.

35. CELS, François. *Catalogue des Arbres, Arbustes, et autres Plantes de Serre chaude, d'Orangerie et de pleine Terre. Cultivés dans l'Établissement de F. Cels.* 38 pp. 8vo, cont. tree calf (one corner a bit worn), gilt border round sides, flat spine gilt, red morocco lettering piece on spine, a.e.g. Paris: de l'Imprimerie de Feugueray, 1817. \$2750.00

First edition and scarce. Cels (1771-1832), was the son of Jacques Philippe Martin Cels (1743-1806), who after the Revolution founded a botanical garden/nursery noted for its foreign plants. By introducing many exotic species into France, including many from America brought by Michaux and Bosc d'Antic, the father contributed to the growing appetite for unusual flowers in Europe. He was made a member of the rural husbandry division of the French Academy of Sciences in 1795 and a member of the Académie d'Agriculture. He also published a number of works in various branches of botany. The species in his garden were described by the botanist Étienne Pierre Ventenat (1757-1808) and illustrated by Pierre-Joseph Redouté (1759-1840) in the magnificent *Description des Plantes nouvelles ou peu connues, cultivées dans le Jardin de J.-M. Cels* (1800-03).

Following Jacques Philippe Martin Cels' death in 1806, his son François continued the botanical garden which soon became one of the finest in Europe (he was appointed by the Emperor of Austria and the King of Prussia as their botanist/nurseryman). About 3500 different kinds of plants are listed in this catalogue. The "Avis" on the final page states many more species were in stock beyond those listed here.

Fine and pretty copy from the library of the Kings of Bavaria.

☛ N.B.G., Vol. 9, col. 359.

36. CLARKE, Samuel. *A Collection of Papers, which passed between the late Learned Mr. Leibnitz, and Dr. Clarke, in the Years 1715 and 1716. Relating to the Principles of Natural Philosophy and Religion. With an Appendix. To which*

are added, *Letters to Dr. Clarke concerning Liberty and Necessity; From a Gentleman of the University of Cambridge: With the Doctor's Answers to them. Also Remarks upon a Book, Entitled, A Philosophical Enquiry concerning Human Liberty.* xiii, [3], 416, 46 pp. 8vo, cont. panelled calf (expertly rebaked to match, some browning throughout due to the quality of the paper), spine gilt, red morocco lettering piece on spine. London: J. Knapton, 1717. \$2500.00

First edition. Clarke (1675-1729), was a close friend of Newton and defended him against the charges of atheism posed by Leibniz. This defense sparked an exchange of ten letters, each of increasing length, between Clarke and Leibniz, that lasted until the latter's death in November of 1716. This book prints these important letters for the first time.

"Clarke saw the conflict with Leibniz as involving not merely a differing interpretation of the physical universe and its phenomena but as a far more basic one implying a struggle between freedom and necessity...Clarke's most direct contribution to physics during the course of this correspondence came in a footnote to his fifth paper, in which he considered the problem of computing the force of a moving body."—*D.S.B.*, III, p. 296.

Apart from the browning, a fine copy. Lacking the leaf of ads at end. Ex Bibliotheca Mechanica.

♣ Babson 229. Roberts & Trent, *Bibliotheca Mechanica*, p. 75.

Clocks & Watches

37. **CUMMING, Alexander.** *The Elements of Clock and Watch-Work, Adapted to Practice. In Two Essays.* 16 folding engraved plates. 4 p.l., 192, [13] pp. Large 4to, cont. half-calf & marbled boards (ends of spine somewhat worn, corners a little worn), spine gilt, red morocco lettering piece on spine. London: Printed for the Author, 1766. \$4250.00

First edition of the author's first book; this is a fine association copy, having belonged to Matthew Boulton (1728-1809), the well-known engineer, who established a famous factory in Soho for the manufacture of high quality metal work and other goods. Cumming (1733-1814), mathematician and mechanic, carried on a watchmaking business in Bond Street, London for many years. The two, with such similar professional interests, must have known each other well.

This was considered to be a "definitive professional textbook."—Taylor, *Mathematical Practitioners of Hanoverian England*. The first part is devoted to a discussion of improvements possible to clock works and the second part is concerned with improvements to watch works.

Fine copy, lacking the leaf of errata, as is often the case. Bookplate of Matthew Boulton.

♣ Baillie, *Clocks and Watches*, p. 270. Baillie, *Watchmakers and Clockmakers of the*

World, p. 72. *D.N.B.*, V, p. 296.

38. EIFFEL, Gustave. *Nouvelles Recherches sur la Résistance de l'Air et l'Aviation faites au Laboratoire d'Auteuil.* [Text]: Frontis., illus., & tables. 2 p.l., viii, 406 pp. Large 4to, orig. cloth. [with]: *Atlas.* 39 plates (many folding or double-page). viii, 67 pp., one leaf. Large 4to, binding as text vol. Two vols. Paris: H. Dunod & E. Pinat, 1914. \$1500.00

First edition of one of Eiffel's major books on wind resistance and aeronautics, describing experiments undertaken at his wind tunnel constructed at Auteuil.

Fine copy. Due to the thickness of the frontispiece, it is sprung but lays in very well.

Indispensable Reference Work on Electricity

39. (ELECTRICITY). *Catalogue of the Wheeler Gift of Books, Pamphlets and Periodicals in the Library of the American Institute of Electrical Engineers.* Edited by William D. Weaver. With Introduction, Descriptive and Critical Notes by Brother Potamian. Illus. Two vols. 8vo, orig. cloth. New York: 1909. \$350.00

The essential work, describing in chronological order with bibliographical and annotations about 7000 titles on magnetism, electricity, galvanism, the lodestone, the mariner's compass, etc. The bulk of the books in this catalogue come from the collection of Latimer Clark and was purchased by Schuyler Skaats Wheeler for the American Institute of Electrical Engineers. The books are now at the New York Public Library.

Fine set.

One of His Rarer Books

40. EULER, Leonhard. *Opuscula Varii Argumenti.* Twelve folding engraved plates. 1 p.l., 300 pp.; 1 p.l., 166 pp.; 1 p.l., 165 pp. Three vols. in one. 4to, cont. sheep-backed mottled boards (minor rubbing, some foxing as is usual with this book). Berlin: A. Haude & J.C. Spener, 1746-50-51. \$7500.00

First edition of one of Euler's scarcer works; this collection contains separate monographs on astronomy, optics, magnetism, electricity, mathematics, and physics and includes several of Euler's most important and fundamental works.

Vol. I deals mostly with astronomy and optics. It is valuable for Euler's tables of the sun and moon and for his discussion of the problem of perturbations.

Euler's studies in astronomy embraced a great variety of problems: determination of the orbits of comets and planets, calculation of the parallax of the sun, the physical nature of comets, celestial mechanics, etc. With regard to optics, Euler herein rejected the dominant corpuscular theory of light and constructed his own theory in which he attributed the cause of light to peculiar oscillations of ether.

Vol. II is concerned with physics and mathematics. Topics examined here are the propagation of sound and light, analysis, the theory of differential equations, and ellipses.

In Vol. III, "Euler adopts the Cartesian doctrine of pores and magnetic particles, magnetic matter is more subtle than the ether itself and is propagated through a magnet in one direction only, p. 10; declination and dip explained, p. 30."—Wheeler Gift Cat. 366.

A very good set. Engraved bookplate of Canterzani.

• D.S.B., IV, pp. 467-84. Houzeau & Lancaster 3482. Sotheran, Supp., 2242—"Rare."

"A Major Contribution"

41. EULER, Leonhard. *Scientia Navalis seu Tractatus de Construendis ac Dirigendis Navibus.* 65 folding engraved plates. 1 p.l., 44, 444, [1] pp.; 1 p.l., 534 pp. Two vols. Large 4to, antique mottled calf (a little foxing), spines richly gilt, red morocco lettering pieces on spines. St. Petersburg: Typis Academiae Scientiarum, 1749. \$9500.00

First edition and one of the scarcest of Euler's major books. "With this work Euler made a major contribution to the study of fluid mechanics. In the first volume he presents a general theory of equilibrium of floating bodies with an original theory of stability and small oscillations in the neighborhood of the equilibrium position. The second volume applies the general theory to ship design, and deals with ships in general, stability and equilibrium, the motion of ships, and the wind; as well, it treats of such parts as masts, sails, oars, and rudder."—Roberts & Trent, *Bibliotheca Mechanica*, p. 105.

Very good set. This is a decidedly uncommon book on the market.

• D.S.B., IV, p. 480—"Euler's first large work on fluid mechanics was *Scientia navalis*."

"Perhaps the Ugliest of All Scientific Disputes"

La Condamine's Copy on Large Paper

42. EULER, Leonhard. *Dissertation sur le Principe de la Moindre Action avec l'Examen des Objections de M. le Prof. Koenig faites contre ce Principe* [with facing title-page in Latin: *Dissertatio de Principio Minimae Actionis...*]. Both titles with the woodcut vignette of the Prussian eagle.

Latin & French texts on facing pages. 8 p.l., 223 pp. 8vo, cont. mottled sheep (minor rubbing, head of spine a trifle chipped), spine gilt, red morocco lettering piece on spine. Berlin: Michaelis, 1753. \$10,000.00

First edition of one of the very rarest of Euler's books; this copy, printed on large paper, bears the stamp on the title-page of Charles Marie de la Condamine (1701-74), the great mathematician and natural historian. La Condamine was Maupertuis' closest friend, to whom he bequeathed all his papers.

The principle of least action, originally formulated by Maupertuis in 1744, has proven to be one of the greatest and most fertile generalizations in the history of science. The first scientist to contradict Maupertuis was Johann Samuel König, who published some critical remarks in March 1751 and, in fact, claimed priority. This "resulted in perhaps the ugliest of all the famous scientific disputes. Its principal figures were Koenig, Maupertuis, Euler, Frederick II, and Voltaire; and as is well known, it left an unseemly stain on Euler's otherwise untarnished escutcheon."—*D.S.B.*, VII, pp. 442-43. In the course of the dispute, Euler accused Koenig of forging a Leibniz letter.

The first part of the text (pages 1-95) contains Euler's explanation of his concept of the theory of least action, in support of Maupertuis. Pages 98-195 provide Euler's careful examination of — but really a strong attack on — Koenig's March 1751 article. Pages 197-223 contain further notes by Euler on the controversy.

The principle of least action "was clarified and underwent important developments at the hands of Hamilton and Jacobi in the 19th century... [It] has come to play a fundamentally important part in twentieth-century Physics... the discovery of its atomicity is the basis of the Quantum Theory."—Wolf, *A History of Science, Technology, and Philosophy in the Eighteenth Century*, p. 69.

Fine copy, printed on large paper. The lavish production of this work — given Prussia's notorious austerity — along with the fine paper and Prussian Eagles with Frederick's initials on both titles indicate that the publication was financed by him. Old stamp of a religious house and modern stamp of R.D.E. Gelin on verso of title.

♣ For Euler's role, see *D.S.B.*, IV, p. 471. Terrall, *The Man Who Flattened the Earth. Maupertuis and the Sciences in the Enlightenment*, pp. 270-309.

43. EULER, Leonhard. *Theoria Motus Corporum Solidorum seu Rigidorum ex Primis Nostrae Cognitionis Principiis Stabilita et ad Omnes Motus, qui in huiusmodi Corpora cadere possunt, accommodata.* Fifteen engraved plates (on 8 sheets). 16 p.l., 520 pp. 4to, cont. sheep-backed paste-paper boards (head of spine a bit chipped), spine gilt, contrasting leather lettering piece on spine. Rostock & Greifswald: A.F. Röse, 1765. \$9500.00

First edition. "The *Theoria motus corporum solidorum*... is related to the

Mechanica. In the introduction to this work, Euler gave a new exposition of punctual mechanics and followed Maclaurin's example (1742) in projecting the forces onto the axes of a fixed orthogonal rectilinear system. Establishing that the instantaneous motion of a solid body might be regarded as composed of rectilinear translation and instant rotation, Euler devoted special attention to the study of rotatory motion . . . Euler thus laid the mathematical foundation of the numerous studies on variational principles of mechanics and physics which are still being carried out."—*D.S.B.*, IV, p. 480.

Nice copy preserved in a very strong morocco-backed box. Early signature of N.P. Morville (?) on blank portion of title. Ex Bibliotheca Mechanica.

♣ Roberts & Trent, *Bibliotheca Mechanica*, pp. 105-06.

*"Laid the Foundations of the Calculation of
Optical Systems"*

44. EULER, Leonhard. *Dioptricae*. Six folding engraved plates. 2 p.l., 337 pp.; 3 p.l., 592 pp.; 4 p.l., 440 pp. Three vols. Large 4to, attractive antique mottled calf, spines gilt, black & white vellum lettering pieces on spines. St. Petersburg: Impensis Academiae Imperialis Scientiarum, 1769-70-71. \$12,500.00

First edition of one of Euler's rarest books; his writings on optics were widely known and important in the physics of the 18th century. In the *Dioptricae*, Euler "laid the foundations of the calculation of optical systems."—*D.S.B.*, IV, p. 482.

Vol. I contains Euler's views on the relative merits of the emission and undulatory theories of light. The second volume deals with the construction of telescopes and the third with microscopes.

A fine set.

One of Euler's Rarer Works

45. EULER, Leonhard. *Opuscula Analytica*. Two folding engraved plates. 2 p.l., 363 pp.; 2 p.l., 346 pp. Two vols. Large 4to, cont. sheep (well-rebacked), spines gilt. St. Petersburg: Typis Academiae Imperialis Scientiarum, 1783-85. \$5000.00

First edition of this collection of 29 mathematical treatises by Euler; the first volume was published in the year of his death. This is a very uncommon book.

"Containing important papers on the theory of numbers, including his famous 'Observationes circa Divisionem Quadratorum per Numeros primos', also 'de Criteriis Aequationis $fx + gyy = hzz$, utrum ea Resolutionem admittat necne? Considerationes super Theoremate Fermatiano,' etc. etc."—Sotheran, 2nd Supp., 1464.

Fine and fresh copy.

♣ Keynes, *A Treatise on Probability. Bibliography*, p. 443.

Responding to a Bigot

46. **EVELYN, John.** *Publick Employment and an Active Life prefer'd to Solitude, and all its Appanages, such as Fame, Command, Riches, Conversation, &c. In reply to a late Ingenious Essay of a contrary Title.* By J.E. Esq; S.R.S. 8 p.l., 120 pp. 8vo, early 18th-century vellum-backed marbled boards (spine a little defective). London: J.M. for H. Herringman, 1667.

\$3000.00

First edition, first issue, written in response to George Mackenzie's *A Moral Essay, preferring Solitude to Publick Employment, And all it's Appanages...* (1665). Mackenzie, a distinguished Scottish advocate, became known as "Bloody Mackenzie" for his harsh treatment of the Covenanters. His book betrayed the character of a bigot.

"Perhaps it was his sense of this that incited Evelyn to compose in 1667 his reply [the present book]...Evelyn's advocacy of an active life might seem at variance with his known delight in country solitude and pursuits, and in truth his attack upon Mackenzie is but a half-hearted affair...Evelyn's little volume is attractive in a plain way."—Keynes, *John Evelyn*, 85 & pp. 185-87.

Fine copy from the Macclesfield library with bookplate.

A Rare Catalogue

47. **(FABRICIUS, Johann).** *Historia Bibliothecae Fabricianae...* Titles in red & black. Six vols. 4to, cont. vellum over boards (a few bindings a little warped). Wolfenbüttel: 1717-18-19-21-22-24.

\$3500.00

First edition of this catalogue which rarely appears on the market. Fabricius (1644-1729), was a leading classical philologist and inspector of the schools of the Duchy of Brunswick-Lüneburg.

This is "a biobibliographical dictionary. It is a roughly classified list of books owned by Johannes Fabricius, with brief but very valuable accounts of the life and writings of the various authors. Since larger and more recent reference works often do not mention these authors, who were chiefly minor sixteenth- and seventeenth-century scholars, Fabricius is likely to give helpful information. Fabricius was obviously more interested in giving this information than in making a catalogue of his library, for the *Historia* does not claim to be a complete catalogue."—Taylor, *Book Catalogues*, p. 7—(& see pp. 11, 108, 186, & 204).

Minor browning but a fine set.

• Brunet, II. 1154—"Cet ouvrage, travaillé avec soin et qu'on a souvent cité."

The Most Complete Edition

48. **FRENCH, John.** *The Art of Distillation: or, a Treatise of the Choicest Spagyricall Preparations, Experiments, and Curiosities, performed by way of*

Distillation. Together with the Description of the Choicest Furnaces and Vessels used by Ancient and Modern Chymists. And the Anatomy of Gold and Silver...To which is added in this Fourth Impression. Sublimation and Calcination: in Two Books. As also, The London-Distiller... 44 woodcuts of furnaces, stills, & other apparatus in the text. 8 p.l., 250, [22] pp.; 1 p.l., 43, [3] pp. Two parts in one vol. 4to, cont. blind-ruled sheep (short cracks at head & foot of upper joint, upper portion of title a little dusty). London: E. Cotes for T. Williams, 1667. \$5000.00

"The fourth, final, and most complete edition of this classic work, augmented by the addition of books VII and VIII, 'Of Sublimation' (pp. 215–234) and 'Of Calcination' (pp. 235–250), respectively. 'The Calcination of Metals' (pp. 242–250) covers gold, silver, copper, iron, lead, tin, and mercury."—Neville, I, p. 484.

This was a popular and well-illustrated work on distilling, on chemical procedures, and on the application of chemistry to medicine. The woodcuts are the same as those in Glauber's *Furni Novi Philosophici*; Ferguson draws attention to similarities between the first English edition of Glauber and the present book, both published in the same year, and both the work of John French.

A fine copy from the Macclesfield library with bookplate. Early price on free front endpaper: "2 s 6 p".

• Duveen p. 231. Ferguson I, pp. 292–293. Simon, *Bibliotheca Vinaria*, p. 151.

Canals

49. FULTON, Robert. *A Treatise on the Improvement of Canal Navigation; exhibiting the Numerous Advantages to be derived from Small Canals... with a Description of the Machinery for facilitating Conveyance by Water through the most Mountainous Countries, independent of Locks and Aqueducts: including Observations on the great Importance of Water Communications, with Thoughts on, and Designs for, Aqueducts and Bridges of Iron and Wood.* 17 engraved plates (lightly dampstained). xvi, 144 pp. Large 4to, cont. polished calf (rebacked, corners a little worn, some browning). London: I. & J. Taylor, 1796. \$2250.00

First edition of this handsome and significant book in the history of early American engineering and technology. "The only substantial work ever published by this pioneer of steam navigation. It contains an account of his patent of a double-inclined plane, the object of which was to set aside the use of locks; also plans for the construction of cast-iron aqueducts and bridges. Chapter XVIII treats 'Of Cast Iron Rail Roads'."—Sotheran, 1st Supp., 6768.

"For his steamboat experiments he [Fulton] systematically studied not only the works of previous inventors, but also theoretical work on ship resistance, notably the works of Bossut and Beaufoy in France. In this way, Fulton became the

earliest example of the theoretically trained American engineer-inventor.”—Struik, *The Origins of American Science* (1957).

The attractive plates illustrate Fulton’s lifts and inclined planes in detail as well as several designs for bridges and aqueducts.

Nice copy. Ex Bibliotheca Mechanica. Without the advertisement leaf at end.

Phosphorescence — “A Good Résumé”

50. [GALVANI, Camillo]. [Drop-title]: *Della Pietra Fosforica Bolognese*. Three folding engraved plates. 91, [1] pp. 8vo, attractive antique speckled calf (some foxing), double gilt fillet round sides, spine gilt, red morocco lettering piece on spine. [Bologna: Longhi, 1780]. \$1250.00

First edition. “In the twelve chapters of the ninety-one page book, the history, color, shape, internal structure, and analysis, etc., of the Bolognian stone are described in considerable detail, and a comparison made with other phosphors. Beccari and his co-workers are particularly referred to and ten pages of experiments reported. Galvani ended with various reflections on the subjects presented. On the whole the book is a good résumé of contemporary knowledge.”—Harvey, *A History of Luminescence*, p. 333.

Very good copy.

51. BIBLIOTHÈQUE PUBLIQUE & UNIVERSITAIRE, GENEVA. *Catalogue Raisonné des Manuscrits conservés dans la Bibliothèque de la Ville & République de Geneve*. By Jean Senebier. Woodcut arms on title. iv, 478 pp. 8vo, attractive antique sheep, spine gilt, red morocco lettering piece on spine. Geneva: B. Chirol, 1779. \$1250.00

First edition of the first catalogue of the MSS. of the city of Geneva, compiled by the city librarian, Senebier (1742-1809), who was also a distinguished physiologist. The MSS. described include oriental, Latin, French, Spanish, and Italian examples, many of which are outstanding and early. With an author index at end.

Very nice copy.

♣ Peignot, p. 51—“Ce catalogue est très curieux.”

Henry Oldenburg’s Copy

52. GILBERT, William. *Tractatus sive Physiologia Nova De Magnete, Magnetisque corporibus et magno magnete Tellure Xex Libris comprehensus...Omnia nunc diligenter recognita & emendatius quam ante in lucem edita, aucta & figuris illustrata operâ & studio Wolfgangi Lochmans.*

Engraved title, 12 engraved plates (two folding), & woodcut illus. in the text. 10 p.l., 115, (1) blank, 116–232 pp., 17 leaves. 4to, modern mottled calf (original paper flaw in Q3 affecting two words of a side note, pale dampstain in upper corner throughout, wormhole in upper margin of last 40 leaves and plates), single gilt fillet round sides, spine richly gilt, red morocco lettering piece on spine. Stettin: Typis Götzianis Sumptibus Authoris, 1628. \$9500.00

Second edition (the first published on the Continent) of the first work of experimental physics published in England. "Gilbert, physician to Elizabeth I, gathered all known opinions relating to the magnet and put them to the test of experiment, thereby being the first to initiate the experimental method of science. He treated the attractive power of magnets, their orientation to the earth's poles, variation and declination, use in navigation and proposed that the earth itself was a large magnet...Book II is devoted exclusively to electrical phenomena, the first ever published" (Dibner). For a full appreciation of Gilbert and this extraordinary book, see Stephen Pumfrey, *Latitude & the Magnetic Earth* (2002).

This copy belonged to Henry Oldenburg (ca. 1619–77), founding member and secretary of the Royal Society, and founder of the *Philosophical Transactions*. As Oldenburg did not leave his home town of Bremen until 1641, he may have acquired this book while still there. Oldenburg's signature is found on the lower margin of the engraved title.

This issue was published at the expense of the author. Another issue exists with the imprint "Typis Götzianis Sumptibus Joh: Hallervordii." Both issues are considerably rarer than the first edition. This copy has 10 preliminary leaves and the final errata leaf; some copies (e.g. the Norman copy) have only 8 preliminary leaves and no errata leaf.

A fine copy.

• Norman catalogue 906 (Hallervord issue). See PMM 107, Dibner 54, Horblit 41, etc., for the first edition of 1600.

The First "Modern" German Textbook of Chemistry

53. **GIRTANNER, Christoph.** *Anfangsgründe der antiphlogistischen Chemie*. Finely engraved frontis. port. of Girtanner. 2 p.l., [7]-16, 466 pp. 8vo, cont. half-sheep & speckled boards (minor rubbing), spine gilt, red morocco lettering piece on spine. Berlin: J.F. Unger, 1795. \$1750.00

Second edition, corrected and greatly enlarged, of the first German textbook of chemistry based on the antiphlogistic system.

Girtanner (1760-1800), a native of Switzerland, practiced medicine at Göttingen. He had lived in Paris for some time where he got acquainted with the leaders of the new chemistry. In 1791, he published a German translation of the

new chemical nomenclature and in 1792 he published the first edition of the present work which for the first time gave a detailed exposition of Lavoisier's system to the German public. In this edition, he frequently refers to objections made by J.B. Richter, who had been converted to Lavoisier's theory after reading Girtanner's book but had raised some pertinent questions. In the preface Girtanner eulogizes Lavoisier whose death had occurred after the publication of the first edition.

A fine, fresh, and tall copy. Girtanner's portrait appears in this edition for the first time.

☛ Cole 525. *D.S.B.*, V, p. 411. Neville, I, pp. 525-26. Partington, III, pp. 589-90.

54. GOSSE, Pierre, I, Bookseller. *Bibliothèque Ancienne & Moderne, ou Catalogue des Livres Choisis, curieux & rares, en toutes Facultés, qui se trouvent à la Haye, chez Pierre Gosse, Libraire.* Janvier, Fevrier, Mars, 1743. 3 p.l., 50, 48, 10, 15, 15, [1] pp. 8vo, cont. polished calf (some browning & discoloration to several leaves), spine gilt, red morocco lettering piece on spine. The Hague: P. Gosse, 1743. \$2500.00

Pierre Gosse I (1676?-1755), was the founder of the Gosse dynasty of publishers and antiquarian and modern booksellers; they were amongst the leading dealers in the Low Countries in the 18th century with connections in Geneva, Paris, London, Dublin, and Liege.

The first three sections list antiquarian books — item one is the 1462 Fust and Schoeffer Bible — arranged by size and then by subject. There is a printed price list of fifteen pages following these parts. The final part is entitled "Catalogue des Livres en Blanc." About 2000 books, mostly of the 16th century, are described.

Apart from the staining, a nice copy in a pretty binding.

☛ BNF, *Catalogues de libraires 1473-1810*, 1346.

A Collection of Models of Machinery

55. GROLLIER DE SERVIÈRE, Nicolas. *Recueil d'Ouvrages curieux de mathématique et de mécanique, ou Description du Cabinet de Monsieur Grollier de Servièrre.* Finely engraved headpiece & 85 finely engraved plates (mostly folding). 14 p.l., 101, [5] pp. Large 4to, cont. calf, spine richly gilt, red morocco lettering piece on spine. Lyon: D. Forey, 1719. \$5500.00

First edition and a very fine copy of this handsomely illustrated work. This book contains the description of the collection of models of machinery formed by Nicolas Grollier de Servièrre (1593-1686), a great nephew of the famous bibliophile, Jean Grolier. Written by the collector's grandson Gaspard (1677-1745), the volume contains descriptions and illustrations of numerous models of

lathe work, clocks, bridges, military equipment and devices, sluices, locks, various water-raising machines, water and wind mills, pontoon bridges, an ingenious cyclometer mounted on a wheelbarrow, a revolving machine for reference books, a wheelchair, and drawing apparatus.

"It is not clear whether all the mechanisms described were actual models, or whether some drawings and descriptions were included. That many were working models is, however, obvious; and these embodied details which could not be repeated on the grand scale."—Wolf, *A History of Science, Technology, and Philosophy in the 16th and 17th Centuries*, p. 539.

Fine copy. Plates 39, 48, and 76 were omitted from all copies, as indicated in the text. Contemporary engraved armorial bookplate "Ex Libris de la Villeneuve."

♣ Baillie, *Clocks and Watches. An Historical Bibliography*, pp. 153-54. Wheeler Gift Cat. 369—(1751 ed. only).

56. GRUENDLICHE UND ERLEICHTERTE ANWEISUNG zu der Messkunst der Höhe und Dicke des stehend- und liegenden Holzes, und zu der Verfertigung der hierzu nöthigen Instrumente... Herausgegeben von Einem Liebhaber des Forst-Wesens und der Jägerey. Two folding engraved plates. 26, [1], CXXXIII, [1] pp. 8vo, cont. half-vellum & marbled boards. Frankfurt am Main & Mainz: F. Varrentrapp, 1758. \$500.00

First edition of this very rare work; OCLC locates one copy in the U.S. The accurate measurement of forests and lumber was a real problem in the 18th century. The present work was written to assist foresters in estimating volumes of wood. This volume measurement was developed to estimate what volume of a round log would be usable timber after processing, in effect attempting to "square" the log and allow for waste.

The plates depict methods of measurement.

Fine copy from the Fugger library.

57. HORNE, Thomas Hartwell. *An Introduction to the Study of Bibliography. To which is prefixed a Memoir on the Public Libraries of the Antients.* Folding frontis., 11 plates (several folding), & numerous text illus. (including facsimiles & type specimens). [iv]-xvi, i-[xxvi], [27]-402 pp.; 1 p.l., [403]-758, [2], clvi pp. Two vols. Large 8vo, cont. half-calf & marbled boards (sides & extremities a little rubbed), spines gilt. London: T. Cadell & W. Davies, 1814. \$500.00

First edition. "This is a very valuable work to the student of the history of printing."—Bigmore & Wyman, I, p. 345. Topics include paper, MSS., history and techniques of printing, bookbinding, the nature of rarity, classification systems,

bibliographies, catalogues and reference books, etc.

"Horne relied largely on Peignot, but made some independent additions. He names (pp. 564-614) perhaps a hundred and fifty institutional catalogues published outside the British Isles. His references to catalogues printed in the latter part of the eighteenth century are especially valuable. Few bibliographers have mentioned catalogues of Russian and Turkish libraries and few European bibliographers have cited those issued by Harvard College (1790) and the Library Company of Philadelphia (1807). Horne's list (pp. 614-637) of these and other foreign libraries has not been completely replaced by any later list."—Taylor, *Book Catalogues*, p. 209 & see pp. 16, 118, 188, 214, & 220.

Good set. Lacking half-titles.

• Besterman 784 & 3561.

"Offre un Grande Interesse"

58. JOURDAIN, Anselme Louis Bernard Bréchillet. *Essais sur la Formation des Dents, comparée avec celle des os, suivis de plusieurs expériences tant sur les os que sur les parties qui entrent dans leurs Constitutions.* One large folding engraved plate. viii, [4], 139, [1] pp., 2 leaves of publisher's ads. Small 8vo, cont. mottled calf, spine gilt, red morocco lettering piece on spine. Paris: d'Houry, 1766. \$2500.00

First edition of this scarce book on the formation of the teeth. He "describes with great accuracy the dental follicle from its first appearing to the moment of birth, following it throughout its evolution. This lengthy book is most interesting, for it is not a mere compilation, but gives the results of personal research and experience."—Guerini, *A History of Dentistry*, p. 311.

Jourdain (1734-1816), the first surgeon to limit his practice to oral and maxillary diseases, wrote the first book on oral surgery.

• Poletti, *De Re Dentaria apud Veteres*, pp. 109-10—"offre un grande interesse."

59. KOBELL, Franz von. *Instructions for the Discrimination of Minerals by Simple Chemical Experiments.* Translated from the German, by Robert Corbet Campbell. Several illus. in the text. xii, 51 pp. 8vo, attractive antique calf-backed marbled boards, spine gilt, red morocco lettering piece on spine. Glasgow: R. Griffin & T. Tegg, 1841. \$650.00

First edition in English of Kobell's *Tafeln zur Bestimmung der Mineralien* (1st ed.: 1833), "a very popular work that provides a series of tables showing the characteristics for frequently encountered mineral species, and that can be utilized in determining an unknown mineral. Included are physical properties, such as color, streak, fracture, etc. and chemical makeup, such as behavior before the blowpipe, reactions to acids, etc. Many students in the universities of

Germany and abroad faithfully used these tables in their mineral species determination. As an indicator of the text's usefulness, it went through 17 German editions and was translated into French, Swedish, English, Spanish and Russian."—Schuh, *Mineralogy & Crystallography: A Bibliography, 1469 to 1920*, p. 863.

Kobell (1803-82), was professor of mineralogy at the University of Munich.

♣ Neville, I, p. 734—"An important work on the chemical analysis of minerals." Schuh, *Mineralogy & Crystallography: A Bibliography, 1469 to 1920*, 2751—"Very scarce" & erroneously calling for a folding plate.

60. LABBÉ, Philippe. *Bibliotheca Bibliothecarum Curis secundis auctior. Accedit Bibliotheca Nummaria in duas Partes tributa. I. De Antiquis Numismatibus. II. De Monetis, Ponderibus & Mensuris. Cum Mantissa Antiquariae Supellectilis ex Annulis, Sigillis, Gemmis, Lapidibus, Statuis, Obeliscis, Inscriptionibus, Ritibus, similibusque, Romanæ, præsertim Antiquitatis Monimentis collecta. Editio III. auctior, & meliori ordine disposita. Additus Joann. Seldeni Angli Liber de Nummis.* 16 p.l., 398 pp.; 27 pp. Two parts in one vol. 8vo, cont. calf (extremities a little rubbed), contrasting leather lettering piece on spine. Rouen: A. Maury for L. Billaine, 1678.
\$2750.00

Third edition (1st ed.: 1664) "of the earliest extant bibliography of bibliographies. It is basically an alphabetical list, arranged by authors' first names, followed by eight intricate subject indices, among them one of publishers' and booksellers' catalogues. Appended is a very useful numismatic bibliography. The work enjoyed three later editions during the seventeenth century and provided the basis for Teissier. Labbé (1607-67), one of the most learned polymaths of his time, was a Jesuit professor of philosophy in Paris."—Grolier Club, *Bibliography*, 62—(1st ed.).

The work attributed to John Selden on the title-page is actually by Alessandro Sardi (1520-88), and first appeared in 1579.

There is also included a substantial bibliography on weights and measures.

Haebler, in his *Handbuch*, states that this is the second book on incunabula and the first in which the word is used in connection with printing.

A fine copy with some minor foxing.

♣ Taylor, *Book Catalogues*, pp. 176, 208, & 219-20.

61. LA CONDAMINE, Charles Marie de. *Mesure des Trois Premiers Degrés du Méridien dans l'Hémisphere Austral, Tirée des Observations de M.rs de l'Académie Royale des Sciences, Envoyés par le Roi sous l'Équateur...*

Engraved vignette on title & three engraved plates (two of which are folding). 6 p.l., 266, x pp. Large 4to, cont. marbled calf, spine nicely gilt, red morocco lettering piece on spine. Paris: de l'Imprimerie Royale, 1751. \$4750.00

First edition of the first complete account of the scientific operations undertaken during the author's famous geodetic mission to Peru, in conjunction with Bouguer and Godin, for measuring the meridian near the equator, co-operating with another mission sent to Lapland, and led by Maupertuis, Clairaut, and Celsius, to measure the meridian near the north pole. These two missions first established the correctness of Newton's views of the earth having the shape of an ellipsoid — a fact previously much doubted as the result of a faulty meridian measurement by Cassini and Picard.

The book is divided into two parts: the first relates to the geodetical measurements and the second to the astronomical observations. La Condamine's notable zenith sector is illustrated on one of the plates and is described in the text. We also find an account of the author's important research on the pendulum.

Very fine and handsome copy. Bound-in at end is the *Supplément* (Paris: 1752; viii, 52 pp.). A second supplement was issued in 1754 and is not present (it is extremely rare).

• D.S.B., XV, pp. 269-73.

A Lovely Copy

62. LA CONDAMINE, Charles Marie de. *Journal du Voyage fait par Ordre du Roi, à l'Équateur, servant d'Introduction historique à la Mesure des Trois Premiers Degrés du Méridien.* Three maps & three plates (all engraved & mostly folding) and one folding printed table. 1 p.l., xxxvi, 280, xv pp. Large 4to, cont. marbled calf, spine nicely gilt, red morocco lettering piece on spine. Paris: de l'Imprimerie Royale, 1751. \$5750.00

First edition and a very pretty copy. This is the second account by La Condamine (1701-74), of the famous expedition to Peru which "had as its goal the verification of Newton's hypothesis on the flattening of the terrestrial globe in the polar regions and, thereby, the resolution of the controversy regarding the form of the earth that was then dividing French scientists. Maupertuis, Clairaut, and Le Monnier went to Lapland to measure several degrees of meridian at the arctic circle, while Godin, Bouguer, and La Condamine were sent to Peru."—D.S.B., XV, p. 270.

From the Library of the Marques de Morante

63. (LEBER, Jean Michel Constant). *Catalogue des Livres imprimés, Manuscrits, Estampes, Dessins et Cartes à jouer, composant la bibliothèque de M. C. Leber: avec des Notes par le Collecteur*. 13 plates (all but two folding, one in color, & another very large). xviii, 479 pp.; vi, 466 pp.; 2 p.l., 333 pp., one leaf of errata.; xviii, [2], 534 pp., one leaf of errata. Four vols. Vols. I-III: 8vo cont. dark blue morocco with the arms of J. Gomez de la Cortina, Marques de Morante, in gilt on covers, double gilt fillet round sides, crowns in gilt in each corner, a.e.g.; Vol. IV: cont. mottled calf, arms of J. Gomez de la Cortina in gilt on covers, double gilt fillet round sides, black morocco lettering pieces on spine. Paris: [Vol. I-III]: Techener, 1839; [Vol. IV]: P. Jannet, 1852. \$2950.00

A complete set of the private catalogues of the famous library of Leber (1780-1859), a member of the Institut de France and one-time head of the "Bureau du Contentieux des Communes" in the Interior Ministry office. The first three volumes describe Leber's first library of more than 6600 items which he sold (though some sources state it was a donation) to the city of Rouen.

The fourth volume describes his second collection which Leber started immediately after the first arrived at Rouen. While not as large as his first library, the second collection — 542 lots of books, 90 lots of prints (containing about 2000 prints), and 9 lots of objets d'art — was an important one, rich in books on the arts and in MSS. on the history of France. This fourth volume is especially valuable as it contains an exhaustive index (pp. 243-534) to all the books described in the four volumes. This second library was sold at auction in November 1860 by Potier.

A fine and handsome set. The Marques de Morante was one of Spain's outstanding 19th-century collectors, whose library numbered some 120,000 volumes, many bound by the foremost French and Spanish binders. He wrote his own catalogue, published at Madrid in nine volumes (1854-70).

✦ Gustave Brunet, *Dictionnaire de Bibliologie Catholique*, cols. 604-06—"Cette bibliothèque renferme un grand nombre d'ouvrages rares et curieux; elle est riche surtout en ce qui l'histoire de France...M. Leber avait réuni près de 8,000 pièces historiques et autres d'éditions originales, depuis la fin du XVe siècle, jusqu'à la Restauration, et 4,500 pièces gravées, relatives à l'histoire de France. Les manuscrits historiques, les pièces inédites relatives aux événements survenus en France furent toujours l'objets de ses prédilections." *N.B.G.*, Vol. 30, cols. 79-80.

64. LENZ, Johann Georg. *System der äusseren Kennzeichen der Mineralien in deutscher, lateinischer, italienischer, französischer, dänischer und ungarischer*

Sprache. Mit erläuternden Anmerkungen. 150, 32 pp. Thick 8vo, cont. half-calf & speckled boards (light foxing), flat spine gilt, red leather lettering piece on spine. Bamberg & Würzburg: Widow of T. Göbhard, 1800.

[bound after]:

— *System der Mineralkörper mit Benutzung der neuesten Entdeckungen.* 2 p.l., iv, xvi, 582, [8] pp. 8vo (minor foxing). Bamberg & Würzburg: Widow of T. Göbhard, 1800. \$5000.00

First editions; both are scarce.

I. "Very scarce. This work is divided into two distinct parts, which perhaps indicates that the second portion was issued separately. The first part lists the external characteristics used in Wernerian doctrine to determine the species of a mineral. Under each property, the equivalent names of the property in Latin, Italian, French, Danish and Hungarian are also listed. For example, the first external character listed is 'Die Farbe.' Underneath this property are listed color (Latin), il color (Italian), la couleur (French), Farven (Danish) and à Szin (Hungarian). At that time, this work would have been useful as a translation dictionary for studying the proliferation of mineralogical literature published in languages other than German...

"After page 150, with its own sectional title page is the second part of the work. This portion provides a tabular overview of the mineralogical basics for the species. The headings of the columns are 'Klassen,' 'Geschlechter,' 'Gattungen,' and 'Arten,' with individual species names listed under the appropriate heading."—Schuh, *Mineralogy & Crystallography: A Bibliography, 1469 to 1920*, 2967.

II. "Very scarce. This book continues Lenz' system of mineralogy, but includes the latest discoveries in mineralogy, especially concerning the chemical composition of minerals."—Schuh, *Mineralogy & Crystallography: A Bibliography, 1469 to 1920*, 2968.

Lenz (1748-1832), professor at the University of Jena and inspector of the mineral cabinet of Duke Carl August (whose collection was the basis for the present books), wrote a long series of books on mineralogy. He was influenced by the theories of Werner regarding the chemical classification of minerals and the identification of minerals through their external characteristics.

Nice copies. The second work is dedicated to Goethe and Voigt. Contemporary signature of Anton Ulrich on second title.

• I. Hoover 523.

Practical Chemistry

65. **LIBAVIUS, Andreas.** *D.O.M.A. Alchymistische Practic: Das ist, von künstlicher Zubereytung der vornembsten Chymischen Medicinen.* Several

woodcuts of chemical apparatus in the text. Title-page printed in red & black. 293, [3] pp. 4to, attractive antique calf (light browning due to the quality of the paper), covers with gilt arabesque stamp in center, single gilt fillet round sides, spine gilt, red morocco lettering piece on spine. Frankfurt am Main: J. Saur for P. Kopff, 1603. \$8500.00

First edition of Libavius' book on practical chemistry; it is one of his few works in German and is very rare. "Libavius' main value to the history of science resides in his extraordinarily voluminous alchemical works, which represent a compendium of the chemical knowledge of his times... Libavius can be regarded as one of the founders of chemical analysis, even though he took almost all his information from the books of Agricola, Ercker, and M. Fuchs... His books were used by many adepts of chemistry throughout most of the seventeenth century."—*D.S.B.*, VIII, pp. 310-12.

In this work, Libavius deals with distillation of waters; quintessences and oils of vegetables; of spirit of wine; the sublimation of sulphur, antimony, sal ammoniac, arsenic, mercury (corrosive sublimate); etc.

Very good copy.

♣ Ferguson, II, p. 32. Partington, II, pp. 244-67.

66. LIEBIG, Justus von. *Instructions for the Chemical Analysis of Organic Bodies*... translated from the German, by William Gregory. Many illus. in the text. iv, 59 pp. 8vo, attractive antique calf-backed marbled boards, spine gilt, red morocco lettering piece on spine. Glasgow: R. Griffin & T. Tegg, 1839. \$750.00

First edition in English of Liebig's classic *Anleitung zur Analyse organischer Körper* (first book ed.: 1837). "Liebig developed a combustion method for determining carbon, hydrogen, and hydrogen in organic compounds, a method still in use. This was first published in Poggendorf's [sic] *Annalen* in 1831. His insistence that chemistry could be applied to agriculture marks the beginning of the practical applications of chemistry which dominated his life."—Dibner, *Heralds of Science*, 46.

Gregory, professor of chemistry at Glasgow, has added some notes.

Fine copy.

♣ Neville, II, p. 71—"very scarce."

First Exhaustive Treatise on the Aurora Borealis

67. MAIRAN, Jean Jacques d'Ortous de. *Traité Physique et Historique de l'Aurore Boréale*... *Revûe, & augmentée de plusieurs Éclaircissemens*. Woodcut device on title & 17 folding engraved plates. 6 p.l., 570, xxii pp.

Large 4to, cont. mottled sheep, spine nicely gilt, red morocco lettering pieces on spine. Paris: de l'Imprimerie Royale, 1754. \$2750.00

Third edition, greatly enlarged, of the first exhaustive treatise on the aurora borealis. Mairan attributed the phenomenon to an extension of the sun's atmosphere, which at times enveloped the earth and blended with our atmosphere. "Inquiry into the history and physics of the aurora borealis; the chapter on the relation between the aurora and the magnetic declination is of special interest."—Wheeler Gift Cat. 382. There are many references to Newton, Cassini, Euler, and Descartes.

Mairan (1678-1771), while basically a Cartesian, did incorporate some Newtonian ideas in his theories. He was secretary of the Paris Academy of Sciences and belonged to the Royal Societies of London, Edinburgh, and Uppsala, the St. Petersburg Academy, and the Institute of Bologna.

Unusually fine and crisp copy.

• D.S.B., IX, pp. 33-34. See E. Newton Harvey's *A History of Luminescence*, pp. 258-59 for an excellent discussion.

"Unequaled"

68. MARINIS, Tammaro de. *La Legatura Artistica in Italia nei Secoli XV e XVI. Notizie ed Elenchi.* Tipped-in color frontis., about 1000 superb colotype plates (several tipped-in & in color) reproducing about 1500 bindings, & text illus. Three vols. Folio, orig. blue morocco-backed cloth, t.e.g., slipcases. Florence: Istituto di Edizioni Aristiche, 1960. \$3000.00

Limited to 500 copies, handsomely printed at the Stamperia Valdonega. The authoritative work on 15th and 16th century Italian bookbindings and a truly sumptuous book. The result of close collaboration with the reigning experts in the field, this lavishly illustrated work contains more than 3100 meticulous descriptions of books examined in public and private libraries both in Europe and the United States. Arranged by place of origin with a prefatory essay on each city and indexes.

A fine set.

• Breslauer, *The Uses of Bookbinding Literature*, pp. 21-22—"The great Italian bookseller-scholar Tammaro de Marinis covered the history of Italian bookbinding up to ca 1550 in [the present work]. In three folio volumes he lists about 3,500 bindings, grouped under the cities in which they were made (or he assumed they were), reproducing about 1,500 of them on almost a thousand plates. The work offers a wealth of material unequalled by any other publication of this nature."

Limited to 50 Sets

69. (MURRAY, Charles Fairfax). *Catalogo dei Libri posseduti* . . . 401 pp., 1 leaf; 187 pp. Two vols. in one. Large 4to, cont. blue half-morocco & marbled boards (extremities a little worn). London [Rome]: 1899.
\$1750.00

Limited to fifty copies only; privately printed and very rare. This is the best and most complete record of Murray's library. "Murray (1849-1919) was one of the most singular figures of the art world. Himself an artist of no mean distinction, he succeeded, although without any large means of his own, in accumulating . . . illuminated manuscripts . . . and, above all, books of every description. A friend of William Morris and Burne Jones, he owned the finest set of Kelmscott books in any library. His collections of early German, French, and especially Italian books, were among the largest and choicest in private hands. If the Fairfax Murray library had been dispersed in one continuous series of sales, the event would have been truly sensational; unfortunately, the sales were spread over several years and no real system was followed. In addition, many of the finest books were sold privately."—De Ricci, p. 178.

4659 books are described.

Very good set, with a presentation inscription from Murray on the half-title, dated July 1902. A third volume, describing the Adda library at Milan and separately published in 1902, is not present as is usual.

70. MUSSCHENBROEK, Petrus van. *Essai de Physique . . . avec une Description de nouvelles sortes de Machines Pneumatiques et un Recueil d'Expériences* . . . Traduit du Hollandois par Mr. Pierre Massuet. Engraved frontis. port. & 34 folding engraved plates (incl. 5*). Titles in red & black. xxv, [3], 502 pp.; 1 p.l., 501 [i.e. 503]-864, 869-914, [32], 63, 8 pp. Two vols. Large 4to, orig. boards (some minor foxing & browning, a little waterstaining in Vol. II). Leyden: S. Luchtmans, 1739. \$3000.00

First edition in French of one of the best 18th-century introductions to Newtonian physics. This is a book filled with interesting experiments and problems. Some of the subjects covered are gravity, mechanics, machinery, elasticity, electricity, capillarity, hydraulics, optics (with a long account of vision and the eye), celestial mechanics, comets, and the weather system.

Musschenbroek (1692-1761), professor of natural philosophy and mathematics at Utrecht and, later, professor of experimental physics at Leyden, was one of the most celebrated physicists and most important investigators of his time. The experiments described in his books have become classics in elementary instruction. "Underlying Musschenbroek's lectures demonstrated with experiments was the experimental philosophy . . . the principal source of inspiration was Newton, but Galileo, Torricelli, Huygens, Reaumur, and others

were important to this school."—*D.S.B.*, IX, p. 596.

Nice set in original state.

• Roberts & Trent, *Bibliotheca Mechanica*, pp. 232-33. Wheeler Gift Cat. 300.

71. NAUMANN, Emil Wilhelm Robert. *Catalogus Librorum Manuscriptorum qui in Bibliotheca Senatoria Civitatis Lipsiensis asservantur.* 15 lithographed plates of facsimiles (three are folding & several are colored by hand). 1 p.l., xxiv, 562, lvi pp. Large 4to, orig. boards (minor wear), orig. printed paper label on spine. Grimma: J.M. Gebhardt, 1838. \$1250.00

First edition of this comprehensive and useful catalogue of the manuscripts in the Stadtbibliothek of Leipzig, compiled by its librarian, who was also editor of the influential bibliographical journal *Serapeum*. The catalogue also describes many oriental MSS., including Hebrew and Arabic examples. The library traces its origins to the 15th century.

Fine copy from the library of His Serene Highness Prince Fürstenberg at Donaueschingen with his stamps on title and final leaf.

• Schwenke, *Adressbuch der Deutschen Bibliotheken*, 915.

72. NETTO, Friedrich August Wilhelm, ed. *Gemeinnützliche Nachrichten von den neuesten Erfindungen, Fortschritten und Entdeckungen des In- und Auslandes, so wie von der neuesten Literatur und Kritik der Gewerbkunde, für Handwerker, Fabrikanten, Künstler und Oeconomen.* 18 fine folding engraved plates. xii, 354 pp.; xiv, 336 pp. Two vols. 8vo, cont. marbled boards (extremities a bit worn), flat spines gilt, red & green leather lettering pieces on spines. Berlin: W. Natorff, 1829-30. \$1850.00

First edition of this rare book which was originally issued in twelve parts. Netto (b. 1783), was an instructor in pure and applied mathematics and physics in Berlin and the author of a number of books on mathematics and military surveying. The present work is a summary of the latest technological developments in Germany, other European countries, and America. There is much on steam engines, bleaching and dyeing, cooling machines, textile machinery, chemical and metallurgical processes, manufacturing of precision instruments, etc., etc.

The fine plates depict several of the machines described in the text.

Very nice set and most uncommon; OCLC locates no copy in the U.S.

• Poggendorff, II, 270-71.

The Definitive Edition

73. **NEWTON, Isaac.** *Opticks: or, a Treatise of the Reflections, Refractions, Inflections and Colours of Light.* Twelve folding engraved plates. 4 p.l., 382 pp., one leaf of ads. 8vo, cont. calf (small portions of ends of spine & one corner carefully repaired), spine gilt, red morocco lettering piece on spine. London: W. Innys, 1730. \$7500.00

Fourth edition, and the final edition to be revised by Newton, of this great classic. It contains the complete set of 31 Queries which reveal some of Newton's most influential and speculative writing.

Fine crisp copy. Contemporary armorial bookplate of Edward Powell.

♣ Babson 136.

74. **NICHOLSON, William.** *The First Principles of Chemistry. The Second Edition, with Improvements.* One folding engraved plate depicting apparatus. xxxi, 546, [4] pp. 8vo, orig. boards, neatly rebacked, new printed paper label on spine, uncut. London: Printed for G.G.J. and J. Robinson, 1792. \$950.00

Second edition, revised and enlarged with new discoveries. Nicholson (1753–1815), translator of Fourcroy and Chaptal, and editor of the first general scientific periodical in England published independently of the academies, was one of the important British figures in the new chemical movement. In this voluminous textbook on chemistry, dedicated to Cavendish, he explained both the phlogistic and antiphlogistic theories, as he considered them equally probable. "The text is divided into two books, I. General Chemistry includes heat, construction of thermometers, combustion, methods of making experiments with gases, an account of balances and elective attractions; II. includes general principles of bodies, acids, metals, mineral combustibles, vegetable and animal products. The useful treatment in I. of thermometers and balances is not found in many texts."—Cole 977.

Very good copy. Stamp on a few pages and the plate.

♣ Neville II, p. 228—(with incorrect collation). Partington III, p. 490 and IV, p. 19.

75. **OFFICINA BODONI.** *The Calligraphic Models of Ludovico degli Arrighi surnamed Vicentino. A Complete Facsimile and Introduction by Stanley Morison.* 8vo, orig. vellum-backed paste-paper boards, uncut, spine

lettered in gilt. Paris: Privately Printed for Frederic Warde, 1926.

\$1500.00

Limited to 300 copies printed on Zanders hand-made paper. The introduction has been printed in Frederic Warde's Vicentino type.

Fine copy, preserved in a box. Scarce. Bookplate of the noted printer Lillian Marks of the Plantin Press.

♣ Schmoller 15.

76. OFFICINA BODONI. *Eustachio Celebrino da Udene. Calligrapher, Engraver and Writer for the Venetian Printing Press.* By Stanley Morison. Woodcuts in the text & 8-page facsimile tipped-in. Large 8vo, orig. cloth, gilt, t.e.g., others uncut, orig. dust-jacket & slip-case. Paris: Pegasus Press, 1929.

\$2750.00

Limited to 175 numbered copies of this work on Celebrino's manual of learning to write the mercantile hand.

Fine copy with prospectus. Very rare on the market.

♣ Schmoller 30.

77. OFFICINA BODONI. *The Nymphs of Fiesole.* By Giovanni Boccaccio with the Woodcuts made by Bartolommeo di Giovanni for a Lost Quattrocento Edition, which were used to illustrate Various Later Texts and have now been Reassembled and Recut. 23 woodcuts re-cut by Fritz Kredel & one facsimile. Large 8vo, orig. vellum-backed paste-paper boards, spine lettered in gilt, t.e.g., others uncut, slipcase. Verona: 1952.

\$2250.00

Limited to 225 numbered copies, printed on Fabriano hand-made paper using Griffo and Bembo types. The present edition represents an attempt to restore the original series of woodcuts made for the *Ninfale* by Bartolomeo di Giovanni, to whom, as is explained in the Postscript, we probably owe the designs for most of the woodcuts to be found in Florentine illustrated books of the last decade of the fifteenth century. The *Ninfale* woodcuts are among the most beautiful produced before 1500 and have an inimitable charm of their own. They have been recut on wood in a masterly manner by Fritz Kredel.

Fine copy. One of the most important and desirable books from this Press. The slipcase is a little defective.

♣ Schmoller 102.

A Pioneer Work in Many Fields

78. PALISSY, Bernard. *Le Moyen de devenir Riche, et la Maniere Veritable, par laquelle tous les hommes de la France pourront apprendre à multiplier & augmenter leurs thresors & possessions.* 8 p.l., 255 pp.; 8 p.l., 526 pp. Thickish 8vo, 19th cent. calf-backed marbled boards. Paris: R. Fouet, 1636.

\$6500.00

First collected edition of Palissy's two major books: the *La Recepte Véritable* (1st ed.: 1563) and *Discours Admirables* (1st ed.: 1580); the first editions are very rare and our 1636 edition is extremely uncommon.

This is a book full of interest. In *Recepte Véritable*, "Palissy discussed a wide variety of topics, including agriculture (for which he proposed better methods for farming and for the use of fertilizers), geology (in which he touched upon the origin of salts, springs, precious stones, and rock formations), mines, and forestry. He also suggested plans for an ideal garden, to be decorated with his earthenware and with biblical quotations . . .

"The second book, *Discours admirables*, probably incorporates Palissy's Paris lectures. It, like the earlier work, deals with an impressive array of subjects: agriculture, alchemy, botany, ceramics, embalming, engineering, geology, hydrology, medicine, metallurgy, meteorology, mineralogy, paleontology, philosophy, physics, toxicology, and zoology. The book is divided into several chapters, the first and longest of which is concerned with water. The others take up metals and their nature and generation; drugs; ice; different types of salts and their nature, effects, and methods of generation; characteristics of common and precious stones; clay and marl; and the potter's art . . .

"Palissy's views on hydrology and paleontology, as expressed in the *Discours*, are of particular interest. He was one of the few men of his century to have a correct notion of the origins of rivers and streams, and he stated it forcefully, denying categorically that rivers can have any source other than rainfall . . .

"Palissy discussed fossils extensively . . . Palissy was probably one of the first men in France to teach natural sciences from facts, specimens and demonstrations rather than hypotheses."—*D.S.B.*, X, pp. 280-81.

Fine copy.

♣ Adams, *The Birth and Development of the Geological Sciences*, pp. 90, 261, & 446-48. Duveen, p. 446—"A book of great importance in the history of chemistry and science generally"—(referring to the 1st ed. of the *Discours*). Geikie, *The Founders of Geology*, pp. 104 & 118. Partington, II, pp. 69-77. Zittel, pp. 18 & 132.

79. PARACELSUS. . . . *Etliche Tractetlein zur Archidoxa gehörig. 1. Von dem Magneten, unnd seiner wunderbarlichen Tugend, in allerley Kranckheiten. . . 2. De occulta Philosophia. . . 3. Die recht weisz zu Administrirn die Medicin. . . 4. Von vilerley gifftigen Thiern.* Woodcut port. of Paracelsus

on verso of title & two woodcuts in the text. 36 unnumbered leaves. 4to, cont. blind-stamped pigskin over boards (recased with new endpapers, final leaves with some mostly marginal dampstaining). Munich: A. Berg, 1570. \$7500.00

First edition of these four tracts by Paracelsus which were also added to the new edition of his *Archidoxa*, published later in the same year. Of particular interest is the first tract which deals with the magnet and its use in the treatment of different diseases; the second tract, on occult philosophy (including a chapter on imagination and one on possessed people) is of interest for medical psychology; the third one deals with the administration of medicines, and the last one with snakes and other poisonous animals.

Edited by Johann Albert von Wimpfenaeus (fl. 1568-70).

Good copy. Rare.

☛ Sudhoff 128.

How Long, How Heavy, How Much Throughout the World & Throughout the Ages

80. [PAUCTON, Alexis Jean Pierre]. *Métrologie ou Traité des Mesures, Poids et Monnoies des anciens Peuples & des Modernes*. Numerous tables in the text. xv, [1], 955, [1], 6 pp. Large thickish 4to, cont. polished calf (foot of upper joint with a short & unimportant crack), spine gilt, contrasting morocco lettering piece on spine. Paris: la Veuve Desaint, 1780.

\$4000.00

First edition and an enormously useful book in which the author compares many of the weights, measures, and currencies of antiquity with modern counterparts throughout Europe, the Middle East, and Asia. Paucton (1736-98), professor of mathematics at Strasbourg, was later in the Paris bureau of surveys.

This is a classic book in the history of weights and measures; Gibbon described it as "useful and laborious." "At the era of its publication this very learned work was universally admitted to be the most complete and important that had appeared on the subjects of which it treats; and though materially affected by the changes which have taken place in the interval, especially the introduction of the metrical system into France, it continues to be held in high estimation. Exclusive of the subjects which properly belong to a treatise on Metrology, it embraces a great various of curious and profound discussions upon collateral topics, which, though they have added considerably to its bulk, have greatly increased its interest and value."—McCulloch, p. 137.

Chapter VIII examines, country by country, the physical size of the whole world and provides detailed demographic breakdowns for Europe in particular.

A very fine copy of a book full of the most wonderful information which is difficult to find anywhere else. If you want to know what French money was

worth in Palermo or Beijing in 1665, this book will furnish the information.

Fine copy.

• Poggendorff, II, 378.

81. PEIGNOT, Gabriel. *Catalogue d'une Partie des Livres composant la Bibliothèque des Ducs de Bourgogne, au XV^e Siècle. Seconde Édition revue et augmentée du Catalogue de la Bibliothèque des Dominicains de Dijon, rédigée en 1307, avec détails historiques, philologiques et bibliographiques.* 143, [1] pp. 8vo, cont. paste-paper boards, red leather lettering piece on spine. Dijon: V. Lagier, 1841. \$425.00

Second edition, revised and enlarged (the first edition was published in 1830 in one hundred copies only).

Fine copy. Bookplate of Julia Parker Wightman.

• Brunet, IV, 468.

82. PIGHIUS, Albertus. *De Aequinoctiorum Solsticiorumque Inventione Ad R. in Christo patrem, D. Franciscum Molinium Abbatem. S. Maximini, a secretis & consilio. R. Francorum Christianiss. & pijs largitionibus eiusdem praepostium primarium. Eiusdem De Ratione Paschalis celebrationis, Deque Resitutione ecclesiastici Calendarij. Ad Beatissimum Patrem Leonem. X. Pontificem Maximum.* Title within woodcut border. One woodcut diagram in first section. Criblé initials. xxiii leaves, [2] pp.; xxx leaves. Small folio, attractive antique panelled calf, gilt fleurons in corners. Paris: [C. Resch & P. Vidoue], ca. 1520. \$7500.00

First edition of a rare astronomical book. Pighius (1490-1542), theologian, mathematician, and astronomer, "studied philosophy and began the study of theology at Louvain, where Adrian of Utrecht, later Pope Adrian VI, was one of his teachers...He followed his teacher Adrian to Spain, and, when the latter became pope, to Rome, where he also remained during the reigns of Clement VII and Paul III, and was repeatedly employed in ecclesiastico-political embassies. He had taught mathematics to Cardinal Alessandro Farnese, afterwards Paul III; in 1535 Paul III appointed him provost of St. John's at Utrecht, where he had held a canonry since 1524."—*Catholic Encyclopedia*.

This is Pighius's treatise on the "equinoxes and solstices and celebration of Easter and the restitution of the ecclesiastical calendar. He admits that Johann Essler of Mainz back in 1508 had written a tract in which he held that the vernal equinox preceded the beginning of Aries in the astronomical tables by four and a half degrees. Pigghe will show that it does so by more than five degrees, which he does with a great deal of bluster and overemphasis. All that his criticism seems to amount to is that the tables refer the movements of the stars to the

ecliptic of the *primum mobile* instead of to the true (as he holds) ecliptic of the eighth sphere and that thereby all astrological predictions are thrown out of gear. It seems probable that anyone who knew how to use the *Alfonsine Tables* would be perfectly well aware of what they referred the positions of the planets to. This is the treatise by Pigghe which aroused the ire of Marcus Beneventanus, as has been noted in our chapter on the conjunction of 1524. Nunes, the Portuguese mathematician, in his treatise on the art of navigation pointed out a mistake of Pighius in geometry and another concerning the declination of the fixed ecliptic. Indeed, he excoriated Pigghe for some nine pages which he opened with the statement that the writings of Marcus Beneventanus had not come to his hands but that he had read the book of Pigghe on equinoxes and solstices and his *Apology* and that he was not so often right as he thought he was."—Thorndike, V, pp. 281-82.

Fine copy.

♣ HARRISSE, *Bibliotheca Americana Vetustissima*, 107. Lalande, p. 41. Moreau 2452.

83. (PLESCH, Arpad). *Mille et un Livres botaniques*. Many fine tipped-in color plates & black & white reproductions in the text. 517 pp. Large thick 4to, orig. cloth, dust-jacket, slip-case. Brussels: Arcade, 1973.

\$150.00

The luxurious catalogue of one of the very finest collections of botanical books ever formed. With precise collations and detailed notes. Fine copy.

84. ROSE, Gustave. *Éléments de Cristallographie*... traduit de l'Allemand par M. Victor Regnault. Ten double-page lithographed plates depicting 120 crystal structures. 2 p.l., 270, [1] pp.; 11, [1] pp. Two parts in one vol. 8vo, cont. green sheep-backed marbled boards (binding a little rubbed), flat spine gilt. Paris: L. Hachette & Firmin Didot Frères, 1834.

\$2500.00

First edition in French (1st ed., in German: 1833) of this important book which "represented the latest advances of the science at the time."—*D.S.B.*, XI, p. 539. Rose (1798-1873), worked for several years in Berzelius' laboratory at Stockholm and became professor of mineralogy and director of the Mineralogy Museum at Berlin. He was the author of many highly significant works, especially concerning crystallography.

A few fore-edges lightly dampstained but an attractive copy. Scarce.

85. SAGE, Balthazar Georges. *Moyens de Remédier aux Poisons végétaux, a ceux qui sont produits par les Substances métalliques, et au Venin des*

animaux. x, 88 pp. 8vo, attractive antique speckled half-calf & marbled boards, spine gilt, red morocco lettering piece on spine. Paris: Firmin Didot, 1811. \$950.00

Second edition of this very uncommon work on poisons and their antidotes. Sage (1740-1824), French mineralogist and chemist, taught chemical analysis at the Paris Mint and is best-remembered for founding the Royal School of Mines.

Fine copy.

• D.S.B., XII, pp. 63-69.

Classic French Work on Artillery

86. SAINT REMY, Pierre Surirey de. *Memoires d'Artillerie*. Finely engraved allegorical frontis. incorporating a port. of Louis Auguste de Bourbon, the dedicatee, 179 engraved plates (many folding), & six folding engraved tables. Engraved arms on titles & several engraved headpieces. 10 p.l., 348 pp.; 3 p.l., 386 pp. Two vols. Large 4to, cont. fine red sheep, gilt fillet round sides, spines gilt, contrasting vellum lettering pieces on spines, a.e.g. Paris: J. Anisson, 1697. \$6500.00

First edition of the classic French work of the period on artillery, which served several generations of artillery officers, including the young Napoleon. This richly illustrated work went through several later French editions (1702, 1741, 1745) and was translated into Russian (1732-33). Portions were translated into English in 1756. The plates were mainly executed by P. le Pautre after E. Fourier.

Saint-Remy (ca. 1650-1716), was one of the chief artillery officers of the French army. In this comprehensive work, the author describes the manufacture of cannons of various sizes and types, the production of gunpowder and cannonballs, techniques of mounting cannon on carriages and on ships, proper organization and distribution of matériel for the batteries, proper positioning of the guns, ranging, tactics, attack, defense, etc., etc.

The fine plates depict cannons and cannonballs, forges, carriages, methods of destroying mines and underground tunnels.

A very fine and handsome set. Armorial bookplate of Comte du Kellerer.

Pontoon Bridges

87. SCHIELE, C.F.W. & NIEDERMAYR, J. von. *Handbuch für den Bau der leichten Fahrzeuge und mobilen Brücke über Bäche, Flüsse und Sümpfe mit besonderer Rücksicht auf deren Anwendung bei militärischen Operationen im Felde...I. Theil* [all published]. Mit taktischen Anmerkungen von J. von Niedermayr. Finely lithographed title & 6 large folding lithographed plates. 1 p.l., xii, 54 pp. 8vo, cont. calf-backed patterned cloth boards, single gilt fillet round sides, flat spine gilt, blue leather lettering piece on

spine. München: E.A. Fleischmann, 1832. \$2250.00

First edition, and a very lovely copy from the library of the Kings of Bavaria, of this rare work on the design and use of movable bridges for military purposes for crossing streams, rivers, and swamps. The author discusses the construction of bridges built on barges or pontoons, considers questions of load, materials used to construct the bridges, portability, etc. The fine and large plates depict many designs for each type of bridge.

Schiele was an engineer in the Bavarian Corps of Engineers and Niedermayr was a lieutenant in the Bavarian Army.

This book, coming from the library of the Kings of Bavaria, is dedicated to Carl Theodor, Prince of Bavaria, and therefore this copy should be considered the dedication copy.

Fine and fresh copy.

88. SCHRANK, Franz von Paula & MOLL, Karl Ehrenbert, Ritter von. *Naturhistorische Briefe über Oestreich, Salzburg, Passau und Berchtesgaden*. Six fine folding engraved plates (three of which are printed in reddish-brown ink), one large folding engraved map, & two folding printed tables. 4 p.l., 332 pp.; xxx, [2], 457, [6] pp. Two vols. 8vo, cont. speckled boards, flat spines gilt, red & yellow lettering pieces on spines. Salzburg: J.J. Mayers, 1785. \$2500.00

First edition of this handsomely illustrated account of the travels of Schrank (1747-1835), professor of botany at Munich and first director of the botanical garden of that University and Moll (1760-1838), scientist, collector of books, and Vice-President of the Bavarian Academy of Sciences. This delightful work describes in a series of letters their journey during which they provided full and careful descriptions of the flora, fauna, agriculture, local industries and customs, etc.

Pages 155-323 in Vol. II contain a valuable *Flora Berchtesgadensis*.

Fine and handsome set. Old library stamp on verso of each title.

♣ Pritzel 8382. Stafleu & Cowan 11,105.

89. SCHRANK, Franz von Paula. *Nachrichten von den Begebenheiten und Schriften berühmter Gelehrten...Erster Band* [all published]. xvi, 416 pp. 8vo, cont. boards, red leather lettering piece on spine. Nuremberg: Raspe, 1797. \$2950.00

First edition of an extremely rare book; OCLC locates no copy in the U.S. The present work contains a series of biographical accounts of twenty-one authors including Jacques Barrellier, Linnaeus, Nathanael Gottfried Leske, Fredrik Hasselquist, Simon Pelloutier, and other notable natural historians, scientists,

and scholars. Schrank has also provided detailed bibliographies of the writings of each author.

Fine copy.

• Poggendorff, II, 841.

90. DOMKYRKAN BIBLIOTEKET, STRÄNGNÄS, SWEDEN.

Bibliotheca Templi Cathedralis Strengnesensis, quae maximam partem ex Germania capta est circa finem Belli Triginta Annorum, descripta ab Henrico Aminson. vii, 687 pp. 8vo, cont. sheep-backed boards (upper joint a little defective). Stockholm: I. Marcus, 1863.

[bound with]:

— . *Supplementum, continens Codices Manuscriptos et Libros, quos Johannes Matthiae, Episc. Strengn., Templo dono dedit*. Scripsit Henricus Aminson. clvii, [2] pp. 8vo. Stockholm: I. Marcus, 1863. \$450.00

The second catalogue of the library at Strängnäs, founded in 1626 and greatly enriched by booty from the Thirty Years' War. This was one of the most important provincial libraries in Sweden and contains notable collections of printed books and early MSS.

Some browning, but a very good copy. Scarce.

• Callmer & Nielsen, eds., *Bibliotheken der nordischen Länder in Vergangenheit und Gegenwart*, pp. 213-14.

91. SUCKOW, Georg Adolph. *Anfangsgründe der theoretischen und*

angewandten Botanik. Fine engraved vignette on first title. 16 folding engraved plates. xx, 190, [6] pp.; xii, 432 pp.; 1 p.l., [433]-938 pp., [21] leaves of indices. Two vols. in three parts. 8vo, cont. sheep-backed boards, spines gilt, red & green leather lettering pieces on spines. Leipzig: Weidmann's Heirs & Reich, 1786. \$1650.00

First edition of this valuable and successful introduction to botany. Suckow (1751-1813), a member of the famous family of scientists, was professor of physics, chemistry, and natural history at the University of Heidelberg. He wrote many books and articles on chemistry, natural history, botany, and mineralogy.

Fine and attractive set from the library of the Kings of Bavaria. There was an enlarged second edition in 1797.

• *A.D.B.*, Vol. 37, pp. 105-06. Poggendorff, II, 1046-47. Pritzel 9038. Stafleu & Cowan 13,348.

"The First of the Moderns"

92. TELESIO, Bernardino. *De Rerum Natura juxta Propria Principia, Liber Primus, & Secundus, denuo editi.* Woodcut printer's device on title. 95 leaves. Small 4to, cont. limp vellum (spine somewhat defective, upper hinge a little shaky). Naples: J. Cacchi, 1570. \$9500.00

Second edition, enlarged with other tracts, of Telesio's greatest work. The first edition, of 1565, is an extremely rare book and almost never appears on the market. Telesio (1509-88), was "the head of the great South Italian movement which protested against the accepted authority of abstract reason, and sowed the seeds from which sprang the scientific methods of Campanella and Bruno, of Bacon and Descartes, with their widely divergent results...His system is a forerunner of all subsequent empiricism, scientific and philosophical, and marks clearly the period of transition from authority and reason to experiment and individual responsibility."—*Encyc. Brit.*

Telesio "deployed certain Aristotelian concepts so as to achieve a new system of physical explanation, rejecting metaphysical entities that had no explanatory role in physics. Telesio's arguments are just about as plausible (or implausible, as the case may be) as Aristotle's, yet they differ drastically in their results, Surely nothing could have been more disturbing to Aristotelians than this!...Telesio also introduced concepts of space and time that anticipated the absolute space and time of Newtonian physics."—*D.S.B.*, XIII, pp. 277-80.

This edition also contains his observations on earthquakes, astronomy, medicine, and meteorology.

Minor browning but a very good and crisp copy.

♣ Riccardi, II, 512. Thorndike, VI, pp. 370-71. Van Deusen, *Telesio, the First of the Moderns* (1932).

93. THOMIN, Marc Mitoufled. *Traité d'Optique Mechanique, dans lequel on donne les règles & les proportions qu'il faut observer pour faire toutes sortes de Lunettes d'approche, Microscopes simples & composés, & autres Ouvrages qui dépendent de l'Art. Avec une instruction sur l'usage des Lunettes ou Conservees pour toutes sortes de vûes.* Finely engraved vignette on title & four folding engraved plates. xii, 372, [3] pp. 8vo, cont. mottled calf (faint dampstaining in upper margin of early leaves), spine gilt, red morocco lettering piece on spine. Paris: J.B. Coignard & A. Boudet, 1749.

\$3000.00

First edition. "An eighteenth century treatise on mechanical optics, containing rules and proportions for making all kinds of spectacles and microscopes... [followed by instructions] for the use of glasses for the different kinds of defects."—*B.O.A.C.*, I, 210. Thomin describes other optical instruments including telescopes, magnifying glasses, and the magic lantern.

Fine copy.
 ♣ Poggenдорff, II, 1097.

The "Duke of Wellington of Calico Printing"

- 94. THOMSON, James.** *A Letter to the Right Honorable Sir Robert Peel, Bart. on Copyright in Original Designs and Patterns for Printing.* 1 p.l., 54, [5] pp. 8vo, attractive antique brown morocco-backed cloth boards, spine gilt. Clitheroe: H. Whalley, [1840]. \$650.00

First edition of this very uncommon provincial imprint. James Thomson (1779-1850), was the most talented and distinguished master calico printer in Europe of his day. His "skill as an industrial chemist and whose success in improving the quality of design led to his being called the 'Duke of Wellington of calico printing' ... At the age of sixteen he began work for Joseph Peel & Co., the London house of the extensive calico printing business. He remained there for six years, furthering his education by private study and through friendships with Sir Humphrey Davy and other scientists. Thomson's knowledge of chemistry impressed his employers, who sent him to manage their works at Church, near Accrington, where he remained until 1810. In that year he and John Chippendale, a Blackburn cotton merchant, became calico printers at Clitheroe, briefly at Up Brooks, and in 1811 at Primrose, where they established an industrial colony renowned both for the superiority of its products and for its paternalism...

"Thomson travelled widely on the continent between 1814 and 1817, and was elected a fellow of the Royal Society in 1821. Though he combined 'in an eminent degree scientific with practical knowledge,' he combed Europe for outstanding chemists and artists. And as a means of enhancing standards in the trade, he supported schools of design and successfully campaigned for the act of 1842, which extended the copyright on dress patterns to nine months and on those for furnishings to three years."—ODNB.

Fine copy.

Presentation Copy to Sir Robert Peel

- 95. THOMSON, James.** *A Letter to the Vice-President of the Board of Trade, on Protection to Original Designs and Patterns, printed upon Woven Fabrics.* Frontis. & 15 plates (all chromolithographed in various colors). 3 p.l., ii, 27, [1] pp. 8vo, attractive antique brown morocco-backed cloth boards, spine gilt. Clitheroe: H. Whalley, [1840]. \$950.00

Second edition, presentation copy to Sir Robert Peel, of this very uncommon provincial imprint. The most attractive plates, printed in blue, green, orange-brown, and purple, depict patterns.

Fine copy. The first edition was published earlier in the same year. Thomson's presentation inscription to Peel is on the half-title.

96. THOMSON, James. *Notes on the Present State of Calico Printing in Belgium, with Prefatory Observations on the Competition and Tariff of Different Countries.* 1 p.l., xvi, 61, 14 pp. 8vo, attractive antique brown morocco-backed cloth boards, spine gilt. Clitheroe: H. Whalley, [1841]. \$750.00

First edition of this very uncommon provincial imprint.
Fine copy.

His First Book

97. [VARIGNON, Pierre]. *Projet d'une Nouvelle Mécanique. Avec un Examen de l'opinion de M. Borelli, sur les propriétés des Poids suspendus par des Cordes.* Engraved vignette on title, 13 folding engraved plates, & several engraved head-pieces. 9 p.l., 133, [2] pp. Large 4to, cont. mottled sheep (rubbed, upper joint with a short crack, some browning), spine gilt, red leather lettering piece on spine. Paris: la Veuve d'E. Martin, J. Boudot, & E. Martin, 1687. \$3000.00

First edition of the author's first book and the first treatise in which the whole science of statics was deduced from the principle of the parallelogram of forces which the author here enunciates, simultaneously with and independently of Newton. Due to the simultaneous publication of the principle by Varignon and Newton (in his *Principia*), it is difficult to make a judgment regarding priority. However, Varignon alone grasped two important points: "the unification of 'mechanics' (the science of simple machines) was to be carried out on the basis of the composition of forces. The second concerns the inclined plane."—*D.S.B.*, XIII, pp. 585-86. This work is, in part, a commentary on Borelli's milestone *De Motu Animalium* of 1680-81.

Varignon (1654-1722), one of the outstanding scientists of his time, was an intimate friend of Newton, Leibniz, and the Bernoullis. He was the first French scientist of note to advocate the new differential calculus.

Good copy. Two old library stamps on title and on versos of plates.

♣ Roberts & Trent, *Bibliotheca Mechanica*, p. 337.

The Libraries of Belgium

98. VOISIN, Auguste. *Documents pour servir à l'Histoire des Bibliothèques en Belgique et de leurs Principales Curiosités Littéraires...* Frontis. 3 p.l., v, xvii, 350 pp. 8vo, cont. red morocco-backed marbled boards (occasional

minor foxing), spine gilt. Ghent: C. Annoot-Braeckman, 1840. \$750.00

First edition, limited to 150 copies only. This is an excellent and very valuable historical guide to the most important libraries in thirteen cities in Belgium, with accounts of each library's chief treasures. With much statistical information.

Fine copy, handsomely bound. Scarce.

99. (WALLER, Erik). *Bibliotheca Walleriana. The Books illustrating the History of Medicine and Science. Collected by Dr. Erik Waller and bequeathed to the Library of the Royal University of Uppsala.* A Catalogue compiled by Hans Sallander. Frontis. port. & many plates. Two vols. Large 8vo, orig. blue cloth (a little fatigued). Stockholm: Almqvist & Wiksell, 1955.

\$350.00

"One of the finest medical collections of this century was that made by Axel Erik Waller (1875-1955)...[He] collected widely and wisely, and acquired 150 incunabula, over 20,000 books, almost the same number of letters, together with manuscripts and autographs."—Thornton, *Medical Books, Libraries and Collectors*, p. 292.

This is an essential catalogue for all medical collectors and scholars. More than 20,000 books are described with collations.

Bookplate of Kenneth Garth Huston.

Dr. Williams' Library: an Early Public Library

100. WILLIAMS LIBRARY, London. *Bibliothecae quam Vir Doctus, & admodum Reverendus, Daniel Williams, S.T.P. Bono publico legavit, Catalogus.* 2 p.l., 377 pp. 8vo, cont. polished calf (joints with the slightest cracking), double gilt fillet round sides, spine gilt, red & green morocco lettering pieces on spine. London: Davis, Wilks, & Taylor, 1801. \$2500.00

Second edition (1st ed.: 1727), enlarged. "The library was founded in pursuance of the will of Dr. Williams (an eminent protestant dissenting minister of the 17th century), who died in the year 1716. With a view to the formation of a public library, he had purchased, in his lifetime, the valuable collection of Dr. Bates, to which he directed, by his will, that his own should be added. Of these a catalogue was printed, in one volume, 8vo, in 1727, some considerable time before a public library was opened; and the catalogue was published previously to the opening of the library, as the preface informs us, in order to induce other munificent and public-spirited persons, and lovers of literature, to contribute to its augmentation. Considerable donations to this library have accordingly been made from time to time; the whole are given in the present catalogue, alphabetically, according to languages... This library is conducted with great

liberality to the public: it contains some curious MSS. and portraits, and many rare articles among the printed books."—Horne, pp. 625-26.

The library is rich in philosophy, theology, literature, and history.
Fine and handsome copy.