

Jonathan A. Hill, Bookseller, Inc.

325 West End Avenue, Apt. 10B
New York City, New York, 10023-8145
Tel: 646 827-0724 Fax: 212 496-9182
E-mail: JAHillBooks@aol.com

Catalogue 186

Proofs

Science, Medicine, Natural History,

Mechanics, & Bibliography

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Selective Subject Index

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Catalogue 186

1. **ADELON, Nicolas Philibert.** *Dissertation sur les Fonctions de la Peau.* 63 pp. Large 4to, attractive modern marbled wrappers (minor worming at outer lower blank corner). Paris: Didot jeune, 1809. \$250.00

First edition. Adelon (1782-1862), was the editor or co-editor of several medical journals and professor of forensic medicine at the Paris Medical School. In this work, Adelon describes the anatomy of the skin, its sensitivity due to the nervous system, its role in perspiration, its ability to absorb, and its production of hair follicles.

Fine copy.

• Hirsch, I, p. 34.

A Fine Copy in a Contemporary Blind-Stamped Binding

2. **AGRICOLA, Georg.** *Libri Quinque. De Mensuris & ponderibus: In quibus plearque à Budaeo & Portio parum animadversa diligenter excutiuntur.* Froben's woodcut device on first title (repeated on verso of final leaf of first part & on title of second part) & historiated initials. Much printing in Greek. 292, [4] pp.; 4 leaves. Two parts in one vol. 4to, cont. blindstamped panelled pigskin over wooden boards (spine a little rubbed), upper cover stamped "1537," two catches & two clasps. Basel:

Froben, 1533.

[bound with]:

[FICHARD, Johannes]. *Virorum qui superiori nostroque Seculo Eruditione et doctrina illustres atque memorabiles fuerunt, Vitae. Iam prium in hoc Volumen collectae*. 4 p.l., 119, [1] pp. 4to. Frankfurt: C. Egenolff, [1536].

\$12,500.00

I. First edition and a very fine copy in a handsome contemporary binding, 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, describe in error the Paris edition of the same year as the first edition).

Besides these subjects, Agricola discusses the value of metals of all kinds and of money both in ancient and modern times.

II. First edition. Fichard (1512-81), a native of Frankfurt am Main, took his degree at Heidelberg and later translated some short works of Galen for inclusion in Cratander's Latin edition of 1531. After receiving his law doctorate at Freiburg, Fichard travelled to Padua and Naples. When he returned to Germany, he settled in Frankfurt where he became a well-known and highly successful lawyer and diplomat.

This is a collection of biographies of important people including Petrarch, Giovanni Antonio Campani, Pope Pius II (Piccolomini), Filippo Beroaldo, Mirandola, and Thomas More.

Fine and fresh copies. It is interesting to note that President Hoover only owned an incomplete copy of the Agricola, lacking the second part. Ex Bibliotheca Mechanica.

♣ I. Darmstaedter, *G. Agricola*, pp. 71-74—"especially important for the historian of medicine." Hoover 13—(incomplete copy). II. Bietenholz, ed., *Contemporaries of Erasmus. A Biographical Register of the Renaissance and Reformation*, Vol. II, pp. 26-27.

3. **AUBUISSON DE VOISINS, Jean François**. *Traité d'Hydraulique, a l'Usage des Ingénieurs*. Five folding lithographed plates. xii, 646, [2] pp. Thick 8vo, modern half-calf & marbled boards (some foxing), spine lettered in gilt. Paris & Strasbourg: 1840. \$500.00

Second edition, considerably enlarged, of the work which is usually considered to be the first didactic treatise on hydraulics. Translated into English

and German and several times reprinted, this book was one of a rapidly growing series of treatises on a subject that in itself was undergoing a continuous expansion. The first edition appeared in 1834.

“In his preface to this second edition, d’Aubuisson justifies his use of algebraic formula in a work intended for engineers as more of a gain than a loss in terms of utility. At the same time, he rejects the suggestion that he could have used infinitesimal analysis, as this is in no way intended to be a mathematical work.”—Roberts & Trent, *Bibliotheca Mechanica*, p. 19.

Good copy. Ex Bibliotheca Mechanica.

D.S.B., I, pp. 327-28. Rouse & Ince, *History of Hydraulics*, p. 161.

The Two De Boze Auction Catalogues Together

4. (AUCTION CATALOGUES: BOZE). *Catalogue des Livres du Cabinet de M. De Boze.* 1 p.l., x, 552 pp. 8vo, cont. mottled sheep (some rubbing), spine gilt, red morocco lettering piece on spine. Paris: G. Martin et al., 1753.

[bound with]:

(—) . *Catalogue des Livres provenans de la Bibliothèque de feu M. de Boze . . .*
2 p.l., viii, 192 pp. 8vo. Paris: G. Martin, 1754. \$2500.00

The auction catalogues of the famous collection formed by Claude Gros de Boze (1680-1753), the renowned academician and savant. It was an excellent library, notable for its block books and incunabula; these catalogues provide the best idea of its contents.

The 1753 auction never took place. After publication of the catalogue, two collectors — Boutin and Cotte — purchased the whole library, retaining the books which they desired for their own collections and selling certain precious incunabula to Gaignat. They then turned over the remainder to Gabriel Martin to sell by auction the following year.

Our copy of the 1753 catalogue, which Archer Taylor considered to be one of Gabriel Martin’s best efforts, contains pre-sale valuations in a contemporary hand alongside each lot. This is a remarkable fact and important for the history of book collecting in France.

Fine copies.

• Blogie cols. 6-7. Brunet, I, 1642. Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 104 & 112. Peignot, pp. 83-84. Taylor, *Book Catalogues*, p. 233.

Priced Throughout

5. **(AUCTION CATALOGUE: CHAUVELIN).** *Catalogue des Livres de la Bibliothèque de feu Messire Germain-Louis Chauvelin, Ministre d'État, Commandeur des Ordres du Roi, et Ancien Garde des Sceaux de France; dont la Vente commencera Jeudi, 1er Juillet 1762...* xii, 320 pp. 8vo, attractive 19th-century antique mottled sheep, spine gilt, red morocco lettering piece on spine. Paris: Lottin & Musier, 1762. \$1950.00

A very uncommon sale catalogue. Chauvelin (1685-1762), was minister of foreign affairs for France from 1727 to 1737. He facilitated the Treaty of Vienna which has been described as the sole glorious act of the reign of Louis XV. However, in 1737 Chauvelin was forced into exile because of court intrigues and was not allowed to return to Paris until just before his death.

This catalogue, which has been priced throughout in a contemporary hand, contains 2777 lots. It is particularly rich in history and civil law. With an excellent author index at end.

Fine copy and scarce.

• Grolier Club, *Printed Catalogues of French Book Auctions... 1643-1830*, 165. Peignot, p. 89.

*A Great Collection of Art & Illustrated Books;
With Important Annotations*

6. **(AUCTION CATALOGUE: DERSCHAU, H.A., Freiherr von).** *Verzeichniss der seltenen Kunst-Sammlungen von Oehlgemälden... Majolika, Kunstwerken in Bronze u.a. Metallen... mathematischen Instrumenten... Handzeichnungen, Wassermalereyen mit Gold aufgehöht... Manuscripten und Büchern aus den Hauptfächern der Wissenschaften des dahier verstorbenen Königlich-Preussischen Hauptmanns Herrn Hans Albrecht von Derschau... welche zu Nürnberg... den 1ten August 1825, und an den folgenden Tagen... versteigert werden sollen.* vi, [6], 90 pp.; [2], 282 pp.; [2], 250 pp. Three parts in two vols. Thick 8vo, cont. marbled boards (hinges & corners a little worn), spines gilt, green leather lettering pieces on spines. Nuremberg: Schmidmer, 1825. \$3500.00

An annotated copy, priced throughout and with buyer's names in a neat contemporary hand of the sale catalogue of the large and extraordinary art, book, and manuscript collection of Hans Albrecht, Freiherr von Derschau (d. 1824), a member of the prominent Polish family long resident in Prussia. In the same hand there are numerous annotations throughout (see below). There are about 6000 lots and the catalogue includes Old Master paintings, illuminated MSS., prints and drawings, illustrated books, etc., etc. The range and quality of

material is quite amazing.

This copy has been annotated by an unknown print dealer executing bids for a variety of clients (among them the King of Saxony) whose names, interests, collecting peculiarities and name abbreviations are noted on the front endpapers and on an extra sheet bound in. We note the following annotations: bids executed for Baron Ambach should not exceed prices discussed as he tends to be nervous; Rupprecht is only interested in the Altdorfer prints; Rudolf von Freyberg is also interested in the Altdorfer prints but is a stickler for condition; Merkel would like to acquire some Altdorfer prints, failing that would be happy with some Dürer prints; the King of Saxony is interested in a variety of objects, those marked with two ticks he is particularly keen on, those marked with one less so, etc. There are also detailed notes on Schenk von Gerstäcker, von Hermann, the Royal Print Cabinet, Albers, Nagler, Sommer, Kränner, Heyse, Louis Nagel, Prestel, Hargen and a few more. The dealer also gives a wealth of information (sometimes surprisingly detailed and precise) about condition, attributions, and print states in the margins of a number of lots. These condition reports are sometimes in red ink.

Derschau, an officer in the Prussian army, spent his life pursuing his literary and artistic interests and assembling his collection. In 1780 he managed to discover and acquire numerous woodblocks from the collection of Willibald Pirckheimer which he sold, together with a large number of prints, to the King of Prussia in 1817. Our dealer notes that the collection of stained glass was sold to Berlin prior to the auction.

This is a fine catalogue, compiled using Derschau's own notes (see *Lugt Marques des Collections*, 2510).

7. (AUCTION CATALOGUE: DIDOT, Firmin). *Catalogue des Livres Rares, Précieux, et très-bien Conditionnés, provenant du Cabinet de M. F.D.* 1 p.l., vi, 124 pp. 8vo, attractive antique green sheep-backed marbled board, flat spine gilt, orange morocco lettering piece on spine. Paris: De Bure, 1808. \$1500.00

In the first years of the 19th century, Firmin Didot (1764-1836), a leading member of the great family of printers, purchased the famous and beautiful library of J.A. Naigeon, which was very rich in 15th-century books. In the present catalogue, Didot sold at auction the resulting duplicates and books not of interest to him. 1235 lots.

Very good copy and rare with no copy in *N.U.C.*

♣ Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 475. Jammes, *Les Didots 1698-1998*, p. 80—"Le premier grand bibliophile de la famille, sur lequel nous possédons quelques témoignages, Firmin Didot, possédait une bibliothèque d'une richesse étonnante. Il avait accumulé les livres de la famille,

puis acquis le cabinet de Naigeon . . . Après cette acquisition, Firmin organisa une vente de ses doubles 'et de quelques autres livres, qu'il n'entraînait pas dans son plan de conservation', vente qui eut lieu le 12 Décembre 1808 et jours suivants." Peignot, p. 95.

With the Rare Portrait & Prices

8. (AUCTION CATALOGUE: DU FAY). *Bibliotheca Fayana, seu Catalogus Librorum Bibliothecae... de Cisternay Du Fay... digestus & descriptus a Gabriele Martin... cum Indice Auctorum alphabetico.* Engraved frontispiece, portrait of the collector & an engraved vignette on title. 6 p.l., xxii, 450, 107*, [1] pp., 27 leaves. 8vo, cont. sheep (carefully rebacked with the original spine laid-down, corners renewed), spine richly gilt, red morocco lettering piece on spine. Paris: G. Martin, 1725.

\$1500.00

One of the finest French 18th-century collections; the sale catalogue of the library of Du Fay (1662-1723), is considered to be the best of those compiled by Gabriel Martin, who made Paris the international center for the sale of rare books by auction. Du Fay, after losing his leg in the bombardment of Brussels in 1695, devoted the rest of his life to collecting rare books and manuscripts. Buying from all the leading dealers in Europe, he formed a superb museum of literary rarities. Du Fay was advised by his friend and notable book collector Michel Brochard, professor at the Collège Mazarin, who was the author of the notice in Latin preceding the catalogue. Du Fay became an outstanding connoisseur, a friend of eminent savants and authors, including Fontenelle, and was in contact with the best booksellers of Europe. Many of his books ultimately found their way to Count d'Hoym.

Priced throughout in a contemporary hand. 4414 lots, including early MSS. and bindings. Very nice copy with the rare portrait.

• Grolier Club, *Printed Catalogues of French Book Auctions... 1643-1830*, 22. Peignot, p. 96—"Catalogue bien fait d'une bibliothèque riche et bien composée." Pollard & Ehrman no. 269. Taylor, *Book Catalogues*, pp. 207, 226, & 239.

*Large & Fine Paper Copy, Ruled in Red & Priced Throughout
with Buyers' Names in a Contemporary Hand*

9. (AUCTION CATALOGUE: EDWARDS, James). *A Catalogue of the Valuable Library of James Edwards, Esq. Containing a splendid Assemblage of Early Printed Books, chiefly upon Vellum. Highly Curious and Important Manuscripts, many of them executed for Sovereign Princes. Magnificent Books of Prints, and various important Articles in every department of Literature and*

Science . . . Three folding engraved plates of vases (the first well-backed at an early date). 2 p.l., 47 pp. 8vo, cont. purple half-morocco & marbled boards (rubbed), spine nicely gilt, a.e.g. London: R.H. Evans, 1815.

\$1650.00

A fine large and fine paper copy, ruled in red, and priced with buyers' names throughout in a contemporary hand. Edwards (1757-1816), a member of the famous "Edwards of Halifax" family, came to London in 1784 where he quickly became one of the greatest booksellers of his time. Operating on a large scale and reaping handsome profits, he acquired the Pinelli library from Venice, the Paris d'Illens books from France, and books from Prince Eugène de Savoie in Vienna.

This sale included many of the treasures that he had kept back for himself such as the Bedford Missal, the 1469 Livy on vellum, and Poussin's drawings after Leonardo. The sale is treated at length by Dibdin in *The Bibliographical Decameron*, Vol. III, pp. 111-27. 830 lots of books and MSS. and nine lots of vases.

Apart from the rubbing, a nice copy.

• De Ricci, pp. 89-90. *D.N.B.*, VI, pp. 538-39.

*"One of the First Important Catalogues of a Library
of Books on Natural Science"*

10. (AUCTION CATALOGUE: [LE CAMUS DE LIMARE]). *Catalogue de Livres rares dont la Vente se fera le Lundi 13 Mars 1786 & jours suivants* . . . By Guillaume de Bure. xii, 259, 26, [2] pp. 8vo, cont. red half-morocco & green boards (some rubbing), flat spine nicely gilt, uncut. Paris: G. de Bure, 1786. \$3500.00

The uncommon sale catalogue of the Le Camus de Limare collection, "one of the first important catalogues of a library of books on natural science."—Taylor, *Book Catalogues*, p. 137. There are about 750 lots of natural history — including all the great books and many of the rarities — and also smaller but interesting sections on medicine, chemistry, astronomy, etc. 1812 lots in all.

The fine Freilich copy with the scarce author index of 26 pages but lacking, as is usual, the printed price list which was issued after the sale. However, this is not important because the present copy has been priced throughout in a contemporary hand.

• Brunet, I, 1645—"riche en histoire naturelle." Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 325. Peignot, p. 88—"Ce catalogue est remarquable par une belle et très riche suite des meilleurs ouvrages d'histoire naturelle, qui ont été vendus à des prix excessifs." Pollard & Ehrman no. 298.

Both of His Sales, Priced

11. (AUCTION CATALOGUES: [MEL DE SAINT CERAN]). *Catalogue des Livres Rares et Precieux de M.**** [Mel de Saint Ceran]. Disposé et mis en Ordre par Guillaume De Bure, fils aîné. xvi, 312 pp. 8vo, 19th cent. half-calf (head of upper joint a bit worn, some browning), spine gilt, contrasting leather lettering piece on spine. Paris: De Bure, 1780.

[bound with]:

(—). *Catalogue des Livres rares et précieux de la Bibliothèque de M. Mel de Saint Ceran*. xii, 290 (i.e. 300), 42 pp. 8vo (some browning). Paris: De Bure, 1791. \$3500.00

I. A rare catalogue, priced throughout in a contemporary hand, of the library of Mel de Saint Ceran, receiver general of finances. "Catalogue curieux et qui peut trouver place à côté de celui de Gaignat. Il est fort bien raisonné; et plusieurs notes de l'éditeur corrigent très à propos quelques articles de la *Bibliographie instructive*."—Peignot, p. 112. 2295 lots with an author index at end. There are some fine early MSS. and bindings in this collection.

II. The sale catalogue of Mel de Saint Ceran's second library, which contained early MSS., books printed on vellum, color plate natural history books, and illustrated books. 3632. Complete with the 42-page "Supplément." Priced throughout in a contemporary hand.

Very good copies.

• I. Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 290. Horne, p. 713. II. Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 349. Horne, p. 713. Peignot, p. 112—"Ce dernier catalogue offre un choix de livres au moins équivalent au précédent."

A Very Rare Auction Catalogue of Coins & Medals from the Library of the Kings of Hanover

12. (AUCTION CATALOGUE: MOLANUS, Gerhard Wolter). *Numo Phylacium Molano-Boehmerianum a S.T. Gerardo Woltero Molano liberi atque imperialis coenobii Luccensis Abbate, nostis reliqua cum cura conquisitum postmodum a S.T. Justo Christophoro Boehmero et ipso Luccensi Abbate*. [Compiled by Johan Friedrich Borchmann]. One folding engraved plate. Title printed in red & black. Double-page title, 14, 364, [1], 61, 925, [1], 485, [1] pp. Four parts in one vol. Thick 8vo, cont. calf (one corner worn, some browning due to the quality of the paper), single gilt fillet round

sides, spine nicely gilt. Celle: J.G. Passin, 1744. \$3500.00

The very rare auction catalogue of the monumental collection of ancient and modern medals and coins formed by Gerhard Wolter Molanus (1633-1722), the influential Lutheran theologian and abbot of Loccum. After Molanus' death, the collection passed to his disciple and nephew Justus Christoph Boehmer (1671-1732), who succeeded his uncle as abbot of Loccum.

This was an enormously valuable collection; we know that upon Molanus' death his estate has to pay the very large sum of 66,000 *thalers* in taxes on the collection.

Fine copy with the royal stamp of King Ernest Augustus of Hanover on title. In this copy, a new sale date has been printed on a slip and pasted over the old date on the title.

• A.D.B., Vol. 22, pp. 86-90. Lipsius, I, 50. Not in SCIPIO.

13. (AUCTION CATALOGUE: [NOAILLES, A.C.D.J., Comte de]). *Catalogue of the Splendid Library (imported from Paris) of a Distinguished Collector [Antonin Claude Dominique Juste, Comte de Noailles]. Containing some of the finest Works from the Caillard, Didot, D'Ourches, Mac-Carthy, and other celebrated Libraries, which have been dispersed during the last thirty years . . .* 2 p.l., 72 pp. 8vo, modern cloth. [London]: sold by Auction by Mr. Evans . . . on Tuesday, May 12, and four following days, 1835.

\$400.00

912 lots. The catalogue contains at least one Grolier binding, many other books in fine bindings, and an important Elzevier collection.

Very good copy.

• *List of Catalogues of English Book Sales 1676-1900 now in the British Museum* (1915), p. 198.

14. (AUCTION CATALOGUE: [PÂRIS DE MEYZIEU, J.B. or PÂRIS D'ILLENS]). *This Day is Published, Price 2s. 6d. Bibliotheca Parisiana. A Catalogue of a Collection of Books, formed by a Gentleman in France . . . They will be sold by Auction . . . on Monday the 28th of March, 1791, and the Five following Days.* 2 p.l., viii, 164 pp. 8vo, orig. pink paper boards (sympathetically rebacked, sides rubbed), entirely uncut. [London: for J. Edwards, 1791].

\$1350.00

The English edition, second issue, of the catalogue of this famous sale; it is priced throughout in a contemporary hand. For a fascinating account of this catalogue and sale (which caused traffic jams along Pall Mall), see Arthur Rau's "Bibliotheca Parisina" in *The Book Collector* (Autumn 1969), pp. 307-17. Amongst

the buyers at this sale were Lord Spencer, Douce, Woodhull, Cracherode, and the Duke of Newcastle.

We are not sure who formed the library — was it Pâris de Meyzieu or Pâris d'Illens? — nor are we sure who consigned the books. It might have been the collector or James Edwards, the bookseller, having purchased the library in France. We also know that not all the books came from the one library; there were books from Loménie de Brienne, masquerading under another provenance probably for political reasons, and Aldines which Edwards must have obtained in Italy. Nevertheless, this is one of the great sales of the period.

Fine copy. The first issue bears the date of 26th March (not a Monday); the second issue has the date corrected to the 28th. This copy contains the cancelled title-page as well as the corrected one.

• De Ricci, p. 89. Peignot, pp. 116-17. Taylor, *Book Catalogues*, p. 92.

15. (AUCTION CATALOGUE: RIEUX). *Catalogue des Livres de la Bibliothèque de feu Monsieur le Président Bernard de Rieux*. 2 p.l. xv, [1], 351, 40 pp. 8vo, cont. sheep-backed boards (upper joint cracked & worn). Paris: Barrois, 1747. \$450.00

The Comte de Rieux formed a very fine library of mostly 17th and 18th century books, all well-bound. There are many Elzevirs in this catalogue. 3314 lots.

Good copy. Without the very rare errata leaf.

• Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 81. Peignot, p. 80. Not in Blogie.

“Très Bon Catalogue”—Peignot

16. (AUCTION CATALOGUE: ROEVER). *Bibliotheca Röveriana, sive Catalogus Librorum, qui studiis inservierunt Matthiae Röveri. Insunt Magno Numero Raro obvii, nonnulli Codices in Pergamena aut Charta scripti, et Libri eruditorum Manu Notati. Quorum Auctio fiet Lugduni Batavorum per Haak et Socios, die 2 Junii 1806 et seqq. xxii, 330 pp.; 1 p.l., 344, [4] pp.* Two vols. Large 8vo, cont. marbled boards (a bit worn), uncut. Leyden: Haak & Socios; Amsterdam: P. den Hengst et Son, 1806. \$2000.00

This was a very significant collection; this copy has been priced throughout in a contemporary hand. Röver (1719-1803), bought at the most important sales on the Continent during the 18th century and his library was rich in illuminated and classical MSS. as well as the most important 15th-century editions of classical texts.

“A very excellent catalogue . . . it is not of very frequent occurrence in this country. The bibliographical notes, which accompany it, though short, are highly

satisfactory. A well written Latin preface, by Benj. Peter van Wesele Scholten, gives an interesting account of M. Röver, who was born at Delft Jan. 6, 1719, and, having finished his classical studies with great credit to himself, practised for three years as an advocate at the Hague. Averse, however, from the noisy strife of the bar, he soon relinquished its honours and emoluments, and retired to Delft; where he resided for the remainder of his life."—Horne, pp. 725-26.

Fine large set and rare.

• Bloie, IV, col. 43. Peignot, p. 121.

17. (AUCTION CATALOGUE: ROTHELIN). *Catalogue des Livres de feu M. l'Abbé d'Orleans de Rothelin.* Par G. Martin. Engraved vignette on title. [iii]-xii, xxiv, 618 pp. 8vo, cont. mottled calf (some wear to extremities, title at gutter neatly strengthened at an early date), spine gilt, red morocco lettering piece on spine. Paris: G. Martin, 1746. \$1250.00

Charles d'Orleans was one of the most knowledgeable bibliophiles of his time and this is one of Martin's best efforts. Rothelin's library (5036 lots including 132 MSS.) is particularly notable for including a large portion of the famous collection of MSS. by Foucault and for having many volumes bound by Boyet, Duseuil, Padeloup, and Anguerran.

Good copy and priced throughout in a contemporary hand. With the engraved armorial bookplate of Louis Jérôme Raussin (1721-98), professor of medicine at the University of Reims (see Olivier & Vialet, *Essai de Répertoire des Ex-Libris et Fers de Reliure des Médecins et des Pharmaciens Français antérieurs à la période moderne* 571-73). This copy lacks, as is very often the case, the half-title and engraved frontispiece portrait of Rothelin.

• Grolier Club, *Printed Catalogues of French Book Auctions . . . 1643-1830*, 82. Peignot, p. 121—"Catalogue estimé." Taylor, *Book Catalogues*, pp. 14, 190, & 259.

18. (AUCTION CATALOGUE: SAINT-MARTIN, A.J.). *Catalogue des Livres imprimés et manuscrits composant la Bibliothèque de feu M. Saint-Martin . . . dont la vente se fera le lundi 4 février 1833 et jours suivans.* xx, [4], 148, [2] pp. 8vo, attractive modern marbled boards, red morocco lettering piece on spine. Paris: Leblanc, 1832. \$750.00

The very uncommon sale catalogue of the library of Antoine Jean Saint-Martin (1791-1832), orientalist, curator of the library of the Arsenal, and *inspecteur* of the Imprimerie Royale. Saint-Martin, with de Chézy and Abel Remusat, was co-founder of the French Asiatic Society in 1822.

999 lots. The preliminary pages contain a bio-bibliographical sketch of Saint-

Martin.

• N.B.G., 43, 70-72. Not in Blogie or SCIPIO.

Complete Set

19. (AUCTION CATALOGUE: TECHENER, J. Joseph, Bookseller). *Catalogue de Livres anciens et modernes, rares et curieux*. 14 parts in five vols. 8vo, cont. calf-backed marbled boards (a little wear & rubbing), spines gilt, red & green morocco lettering pieces on spines. Paris: 1865-67. \$4000.00

Complete set of the sale catalogue of the stock of the celebrated firm of Techener, one of the finest stocks ever assembled by a bookseller. It contained 20,170 items, including most important MSS. and bindings, as well as printed books. A special feature of the catalogues are the detailed descriptions.

Fine set. Complete sets are very scarce today.

His Brother's Copy, Printed on Fine Paper

20. (AUCTION CATALOGUE: YORK, Frederick Augustus, Duke of). *Catalogue of the extensive and valuable Library of His Royal Highness The Duke of York, deceased...* which, by order of the Executors, will be sold by Auction, by Mr. Sotheby... on Monday, May 7, 1827, and Twenty-one following Days. 1 p.l., 197, [3] pp. Large 8vo, cont. black half-sheep & red boards (a little scuffed), flat spine gilt. [London]: 1827. \$1500.00

Frederick Augustus, Duke of York (1763-1827), was the second and favorite son of George III. He was notably unsuccessful as commander in the field but instituted many notable reforms in the army. This copy, printed on fine paper, belonged to his brother, the Duke of Cumberland and has his stamp on the title-page.

This was a fine library of 18th- and early-19th books, selected by a man of considerable education. 5548 lots.

Fine copy.

The History of Hydrodynamics

21. AUERBACH, Felix. *Die theoretische Hydrodynamik nach dem Gange ihrer Entwicklung in der neuesten Zeit, in kurze dargestellt*. Diagrams in the text. xxi, 150 pp. 8vo, orig. printed wrappers (spine a bit frayed), uncut. Berlin: F. Vieweg & Son, 1881. \$150.00

First edition. Auerbach was professor of theoretical physics at Jena. "This historical review of hydrodynamics won the prize of the Royal Venetian

Institute of Sciences."—Roberts & Trent, *Bibliotheca Mechanica*, pp. 19-20.

Very good copy, preserved in a calf-backed box. Ex Bibliotheca Mechanica.

22. BAGLIVI, Giorgio. *De Fibra Motrice, et Morbosa; nec non, de Experimentis, ac Morbis Salivae, Bilis, & Sanguinis. Ubi obiter de Respiratione, & Somno. De Statice aeris, & liquidorum per observationes Barometricas, & Hydrostaticas ad usum respirationis explicata. De Circulatione Sanguinis in testudine, ejusdemque Cordis Anatome. Epistola ad Alexandrum Pascoli.* 58 pp., one blank leaf. Small 4to, antique calf. Perugia: Constantinus, 1700.

\$1350.00

First edition. Baglivi (1668-1707), served as the pupil and assistant of Marcello Malpighi, collaborating with him until Malpighi's death in 1694. In 1695 Baglivi became the pope's second physician and was appointed professor of anatomy at the Sapienza in Rome. His *De Praxi Medica* (1696) revealed him to be a master clinician, exhibiting uncommon logic and common sense.

In this work, Baglivi "describes what we now call striated and smooth muscles and gives an account of their gross and microscopic structure. He believed that striated muscles were used for making short, rapid movements while smooth muscles were used for longer, sustained motions. Baglivi also observed that isolated portions of heart muscle contract and relax without external stimulation and that portions of skeletal muscle contract when stimulated by an external source."—*Heirs of Hippocrates* 737.

"His fundamental research concerning the fibers made him one of the most important students of muscle physiology before Albrecht von Haller."—*D.S.B.*, I, p. 392.

Fine copy. This book is occasionally found bound-in at the end of Alessandro Pascoli's *Il Corpo-Umano* (1700). Ex Bibliotheca Mechanica.

23. BARLOW, Peter. *An Essay on the Strength and Stress of Timber, founded upon Experiments performed at the Royal Military Academy, on Specimens selected from the Royal Arsenal, and His Majesty's Dock-yard, Woolwich: preceded by an Historical Review of former Theories and Experiments; with numerous Tables and Plates. Also an Appendix, on the Strength of Iron, and other Materials.* Six folding engraved plates (each slightly foxed). 1 p.l., xviii, 306 pp. 8vo, cont. blindstamped calf (carefully rebacked with the orig. spine laid-down), spine gilt, red morocco lettering piece on spine. London: J. Taylor, 1826.

\$750.00

"Third edition, corrected." This is the first procurable edition; the first edition

of 1817 and the second edition are, for some reason, extremely rare.

"This was the work that established Barlow's reputation. Barlow begins the book with a history of strength of materials using material from Girard's book. He then points out the inadequacy of Euler's study of elastic curves and criticizes Lagrange; however, Todhunter notes that Barlow does not fully recognize the source of their errors. He corrects one of Girard's errors in Part III, On the Deflection of Beams, but makes the same error that Duleau did in discussing the theory of bending . . .

"The book does not add anything to the theory of strength of materials, but it contains descriptions of many experiments that were made in the first half of the nineteenth century and which are of historical interest. Thus we find a report on the tests made on iron wires by Barlow for Telford who was then planning the construction of the Runcorn suspension bridge. The author's experiments with iron rails of different shapes are also very interesting.' Timoshenko also remarks that in these tests Barlow 'used the equation of a catenary to determine the tensile force in the cables.'—Timoshenko, 85, 100."—Roberts & Trent, *Bibliotheca Mechanica*, p. 23.

Barlow (1776-1862), though self-educated, was assistant mathematics master at the Royal Military academy at Woolwich. He worked with Telford on the design of the Menai Strait suspension bridge and on the calculation of tides in the Thames.

Very good copy. Ex Bibliotheca Mechanica.

☛ *D.S.B.*, I, pp. 459-60.

24. BEAUDEMOULIN, Louis Alexis. *Recherches théoriques et pratiques sur la Fondation par Immersion des Ouvrages hydrauliques, et particulièrement des Écluses.* Four folding engraved plates (several slightly foxed). [iii]-xii, 83 pp., one leaf of errata. Large 4to, attractive antique calf-backed marbled boards (title rehinged at gutter, light foxing), spine gilt, red morocco lettering piece on spine, uncut. Paris: Carilian-Goeury, 1829.

\$950.00

First edition. Beaudemoulin (1790-1877), graduated from the École Polytechnique des Ponts et Chaussées, became "Ingénieur en chef," and wrote many works on river control and public health. He was involved in the design and construction of numerous bridges and invented several ingenious mechanisms for their construction (see Tom F. Peters, *Transitions in Engineering* (1987), p. 169).

In the present work, the author describes new methods of creating stable foundations for canals and locks which would not cave-in or leak.

Good copy. Ex Bibliotheca Mechanica.

25. **BELL, Charles & WYMAN, Jeffries.** *Animal Mechanics*. Two parts. & numerous illus. in the text. xi, 135 pp. 8vo, cont. green morocco, triple gilt fillet round sides, spine nicely gilt, a.e.g. Cambridge: Riverside Press, 1902. \$250.00

The essay of Sir Charles Bell (1774-1842) is entitled "Animal Mechanics or Proofs of Design in the Animal Frame. The Perfection of Design in the Bones of the Head, Spine, and Chest, shown by Comparison with Architectural and Mechanical Contrivances." The essay by Jeffries Wyman (1814-74) is entitled "Animal Mechanics on the Cancellated Structure of Some of the Bones of the Human Body or of those Bones which have a Definite Relation to the Erect Position which is Naturally assumed by Man Alone."

Fine copy, handsomely bound. Ex Bibliotheca Mechanica.

"The First Modern Book on Dyeing"

26. **BERTHOLLET, Claude Louis, Comte.** *Éléments d'Art de la Teinture*. viii, 311 pp.; vii, [I], 365, [1] pp. Two vols. 8vo, cont. marbled sheep (light dampstaining to upper margins of first few leaves of Vol. II, some unimportant marginal worming to 25 leaves in the same vol.), flat spines gilt, red & green morocco lettering pieces on spines. Paris: Firmin Didot, 1791. \$2500.00

First edition of "the first modern book on dyeing and the first general theory of its principles."—Duveen, p. 74; this is the so-called "small type" edition (no priority has been established). "A systematic work on dyeing in which the author attempted to explain the process by the use of reciprocal affinities."—Cole 116.

Very good set.

♣ Neville, I, pp. 135-36. Ron, *Bibliotheca Tinctoria*, 97.

Finely Hand-Colored & in a Contemporary Binding

27. **BOCK, Hieronymus.** *Kreütterbuch, darin unterscheidt, Nammen und Würckung der Kreütter, Stauden, Hecken unnd Beumen, sampt ihren Früchten, so inn Teutschen Landen wachsen, auch der selben eigentlicher unnd wolgegründter Gebrauch inn der Artzney, fleissig dargeben . . . Item von den vier Elementen, zamen und wilden Thieren . . .* Jetzt und auff's new mit allem Fleiss ubersehen und . . . gemehret durch Melchiorem Sebizium. Woodcut vignette on title, woodcut port. of the author on 6th preliminary leaf with woodcut coat-of-arms on verso, & hundreds of woodcuts of in the text, all finely HAND-COLORED by a contemporary artist. 15 p.l., 450, [23] leaves. Folio (335 x 215 mm.), cont. richly blind-stamped pigskin over

beveled wooden boards, orig. clasps & catches, from the workshop of the Wittenberg binder Caspar Krafft the Younger (for a description of the binding see below). Strasbourg: J. Rihel, 1577. \$85,000.00

A magnificently bound and hand-colored copy of Bock's great herbal; this is the first edition to incorporate Bock's *Teutsche Speisskamer*, a gallery of food and drink preparations (1st ed.: 1550, without illustrations). Our copy was bound in the workshop of Caspar Krafft the Younger, a prominent binder in Wittenberg, and all of the approximately 600 woodcuts have been beautifully and delicately hand-colored by a contemporary artist.

Bock (1498-1554), is one of the three "fathers of German botany," the others being Brunfels and Fuchs. As a botanist, Bock was their clear superior. He "was one of the earliest to give original descriptions of plants instead of relying on what Dioscorides or Pliny had written."—Morton, *History of Botanical Science*, p. 125. Bock supervised the botanical garden at Zweibrücken where he made firsthand observations and systematically collected specimens. In this work, Bock gives clear descriptions of how he found certain plants, where he found them (in gardens or in the wild), and how the plants were used in everyday life.

"The great achievement of Bock — one in a field in which Brunfels and Fuchs were no rivals, and no progress had been made since the days of Theophrastus — was as a pioneer of descriptive botany (phytography). Brunfels' herbal had not sold well, and it was probably in part Bock's inability to persuade his publisher to pay for illustrations for the first edition of his *New Kreütter Buch* (1539) that obliged him to describe in detail (and in an almost cheekily colloquial German) facts that Brunfels and Fuchs mistakenly believed to have been adequately dealt with by their artists. In 1546 Bock, by judicious saving, was in a position to subsidize an illustrated edition of his herbal, now renamed *Kreuter Buch*... Bock's book sold far better than Brunfels', better even than those of Fuchs. At least a dozen further editions, with additional woodcuts, were called for."—Blunt and Raphael, *The Illustrated Herbal*, pp 129-32.

The woodcuts, renowned for their accuracy and beauty, were made by the young Strasbourg artist David Kandel. While Kandel based many of his woodcuts on those of Fuchs and Brunfels, about one hundred are entirely original.

The first illustrated edition of Bock's herbal was published in 1546, and contained 468 woodcuts (enlarged to 550 in the 1551 German edition). In 1577 (the present edition) the Silesian-born Strasbourg physician Melchior Sebitz (or Sebisch, Sebizius, Sibizius) re-edited the herbal, and appended Bock's gastronomic treatise.

The *Teutsche Speisskammer* deals with milk, butter, various German, Swiss, and Dutch cheeses, honey, sugar, salt, German bread (made of rye, barley, and wheat), wine, vinegar, oil, eggs, poultry, fresh-water fish, spices (ginger, pepper, cardamom, cloves, nutmeg, cinnamon, saffron, etc.), herbs, and vegetables. The final chapter, *Von Panckentieren and Schlaffdrüncken*, critically discusses lavish

late-night meals, with an abundance of food, drink, and dance, including effects on health and morals.

On the inside front cover is pasted a large engraving by Hans (Jan Baptist I) Collaert after Joh. Stradanus (Jan van der Straet), depicting Mars in the arms of Venus, ca. 1600 (Hollst. 93; Wurzb. 12). Above and below there is a six-line inscription: "Certandum est, nulli ueniunt sine Marte/triumphi/Et non certanti nulla corona datur. / 16 HL 02 / Niclas Ochsenbach Häubttman. / Auff Tüwingen."

Binding: As mentioned above, this contemporary binding was created in the workshop of Caspar Krafft the Younger, the well-known binder in Wittenberg. Both covers are richly blindstamped with the identical four panelled stamps: Lucretia (Haebler, I, 217, VIII), Justice with the monogram CK (I, 216, II), youthful Justice (see II, 326, VIIa, there with the monogram CK), and the allegory of reason (see II, 326, VIIb, also with CK).

Provenance: From the library of the monastery at Weingarten with an ownership inscription on the title-page dated 1659. Later stamp on title of the Royal Library of Stuttgart (after the secularization of the Weingarten monastery, the library was given to Stuttgart and this copy was later de-accessioned).

Fine copy with only minor foxing.

28. BOULANGER, David. *Dissertation sur la Dysenterie.* 17 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1812.

\$175.00

First edition of this rare dissertation — no copy in OCLC — on dysentery. Boulanger describes the varieties and symptoms of dysentery and methods of diagnosis and treatment.

Fine copy.

29. BRETON, Séraphin. *Dissertation sur la Peste, ou Fièvre Adéno-Nerveuse.* vi, [7]-52 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1814.

\$225.00

First edition and rare with no copy in OCLC. Breton, was a native of Tekirdag (Rodosto), a city in Eastern Thrace, on the European part of Turkey (formerly Greece). This is a monograph concerned with the Black Death or bubonic plague. Breton provides a history of the outbreaks of this epidemic and a number of interesting case histories. Much detail is given regarding symptoms and treatments.

Fine copy.

30. **BUERJA, Abel.** *Grundlehren aller mechanischen Wissenschaften.* Engraved frontis. & numerous woodcuts in the text. xxviii, [2], 286 pp., one leaf of errata. 8vo, cont. grey paste-paper boards (a little rubbed), contrasting leather lettering piece on spine. Berlin: F.T. Lagarde, 1790.
\$950.00

First edition. This is the companion piece to the author's *Grundlehren der Hydrostatik* of the same year; each was published separately. Bürja (1752-1816), professor of mathematics at the Berlin Military Academy and a member of the Royal Academy of Sciences at Berlin, wrote many books on mathematics, hydraulics, and scientific instruments.

Fine copy. Old library stamp on title. Ex Bibliotheca Mechanica.

• Roberts & Trent, *Bibliotheca Mechanica*, pp. 56-57—"The work is divided into nine sections; sections one through four discuss: equilibrium of waters or a similar liquid material in a vessel; different machines run by water or a similar liquid; the equilibrium of a watery liquid material, either with another material of that kind, or with a solid body; application of the information contained in the preceding sections. Sections five through eight concern the equilibrium of an elastic liquid, with itself and also with other liquid or solid materials; application of the preceding lessons; different thermometers and barometers; a reckoning obtained with the use of thermometer and barometer. The closing section discusses hot-air balloons, from Lana's flying ship to the Montgolfiers."

31. **CAMBOIS, J.P.** *Essai sur les Épanchemens de Sang dans la Poitrine.* 23 pp. Large 4to, orig. marbled wrappers. Paris: Didot jeune, 1815.
\$250.00

First edition and very rare with no copy in OCLC. Cambois describes the problems of thoracic bleeding created by external causes. He discusses how to identify and treat bleeding in the chest.

Fine copy.

32. **CARLET, Gaston.** *Essai expérimental sur la Locomotion humaine. Étude de la Marche.* Two engraved plates & diagrams in the text. 1 p.l., 92 pp. 8vo, cont. wrappers (some foxing). Paris: G. Masson, 1872.
\$350.00

First edition of this rare work on the physiology and biomechanics of walking and locomotion. Carlet's researches on this subject were all performed in the Marey's laboratory and precede Marey's own publications on the subject.

Very good copy. Ex Bibliotheca Mechanica.

From the Duke of Bedford's Library at Woburn Abbey

33. **CHAMBERS, William.** *A Dissertation on Oriental Gardening.* Title & leaf of dedication engraved & printed in sepia. 2 p.l., x, [11]-94 pp., [1] pp. of errata. Large 4to, cont. mottled calf (upper joint very nicely repaired, corners a little worn), sides decorated in gilt, spine richly gilt, red morocco lettering piece on spine. London: W. Griffin et al., 1772.
\$2950.00

First edition and a nice copy of this famous book; it is an influential and imaginative tour-de-force in which Chambers attacks the ideas of Capability Brown. "When Chambers published his famous *Dissertation on Oriental Gardening* (1772) . . . it was really a protest against the devastation and bareness of the Brownian landscape. His plea for the garden of varied form, texture, and toned colour, designed to awaken curiosity and to evoke contrasting sensations of pleasure, surprise, or alarm, anticipated the picturesque and aroused controversy lasting until modern times."—*The Oxford Companion to Gardens*, p. 105.

Chambers (1723-96), had visited China twice in his youth and, after studying in Paris and Italy, established himself in 1755 as an architect in London.

With the Duke of Bedford's bookplate. I believe it is unusual to have the first two leaves printed in sepia; normally they are printed with black ink.

• Fowler 88. Henrey, II, p. 516—"In the preface Chambers refers to the formal style of gardening and also to the prevailing taste of the English natural school and, although he does not mention him by name, directs a personal attack on Capability Brown . . . As an alternative he offered a study of the Chinese manner of gardening with its great variety of scenes and buildings . . . it also contained theories on landscape design which were fundamentally the same as those advocated by earlier writers. Furthermore he published some very interesting ideas on planting." Henrey, III, 547.

34. **CHANTOURELLE, P.N.** *Essai sur quelques Maladies des Articulations, et principalement sur le Tumeurs blanches.* 32 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1814. \$225.00

First edition of this scarce monograph on arthritis and joint diseases. Chantourelle describes in great detail tuberculosis of the joints, otherwise known as tumor albus. A substantial portion of the text is devoted to methods of treatment.

Fine copy.

*“The First Complete Treatise on the Integral Calculus”
with “Cotes’s Rule”*

- 35. COTES, Roger.** *Harmonica Mensurarum, sive Analysis & Synthesis per Rationum & Angulorum Mensuras promotae: accedunt alia Opuscula Mathematica*... edidit et auxit Robertus Smith. One engraved plate & numerous woodcut diagrams in the text. 10 p.l., 249 pp.; 1 p.l., 125, [1] pp. Two parts in one vol. Large 4to, cont. calf (well-rebacked, corners repaired), spine gilt, red morocco lettering piece on spine. Cambridge: 1722. \$4500.00

First edition. “This most important book by Cotes was published posthumously by his friend and successor at Trinity College, Robert Smith. Professor Morgan calls it ‘the earliest work in which decided progress was made in the application of logarithms and of the properties of the circle to the calculus of fluents.’ It is also the first complete treatise on the integral calculus and the first to contain the well-known theorem in trigonometry known as the ‘Cotes’ theorem.’ The second part has miscellaneous writings by Cotes, including ‘De Methodo Differentiali Newtoniana,’ ‘De Descensu Gravium,’ ‘De Motum Pendulorum in Cycloide,’ ‘De Motu Projectilium,’ etc.”—Babson, *Supp.*, p. 29.

Of considerable additional interest is the first printing, on page 22, of “Cotes’s Rule” which “can be (and has been) read as recommending a weighted mean, or even as an early appearance of the method of least squares.”—Stigler, *The History of Statistics*, p. 16.

Very good crisp copy with half-title. Bookplate of James Parker Smith of Jordanhill. Ex Bibliotheca Mechanica.

☛ *D.S.B.*, III, pp. 430-33.

Marey Attacked

- 36. COUGHTRIE, —, Prof.** *Aërial Locomotion. Pettigrew versus Marey*... [Reprinted from the *Quarterly Journal of Science*, April, 1875.]. 20 pp. 8vo, disbound. London: 1875. \$750.00

First edition of this very rare pamphlet concerning priority regarding their rival theories of flight, which are, according to the author, essentially the same. Prof. Coughtrie states that James Bell Pettigrew (1834–1908), the comparative anatomist at the University of St. Andrews, announced his theory on the fundamental features of flight before Marey.

Fine copy, preserved in a calf-backed folder. Ex Bibliotheca Mechanica.

37. COULOMB, Charles Augustin. "Observations théoriques et expérimentales sur l'effet des Moulins à vent, & sur la figure de leurs ailes." Pages 65-81 of the *Mémoires* of the Académie Royale des Sciences. Large 4to, attractive antique calf-backed marbled boards, spine gilt, red morocco lettering piece on spine. [Paris: 1781]. \$500.00

First appearance, an extract from the *Mémoires*, read on the 22nd December 1781. This, the first memoir read by Coulomb as a member of the Académie, is his final engineering memoir and is concerned with windmill design.

Fine copy. Ex Bibliotheca Mechanica.

♣ D.S.B., III, pp. 439-47. Roberts & Trent, *Bibliotheca Mechanica*, p. 81.

"His Major Memoir on Torsion"

38. COULOMB, Charles Augustin. "Recherches théoriques et expérimentales sur la force de torsion, & sur l'élasticité des fils de métal: Application de cette théorie à l'emploi des métaux dans les Arts & dans différentes expériences de Physique: Construction de différentes balances de torsion, pour mesurer les plus petits degrés de force. Observations sur les loix de l'élasticité & de la cohérence." One engraved plate. Pages 229-69 of the *Mémoires* of the Académie Royale des Sciences. Large 4to, attractive antique calf-backed marbled boards, spine gilt, red morocco lettering piece on spine. [Paris: 1784]. \$950.00

First appearance, an extract from the *Mémoires*, read on 9 September 1784. In his "major memoir on torsion, presented 9 September 1784 . . . Coulomb sought (1) to discover the laws of torsion and to determine possible applications of torsion and (2) to investigate the laws of coherence and elasticity of bodies by means of torsion."—D.S.B., III, pp. 443.

Fine copy. Ex Bibliotheca Mechanica.

♣ Gillmor, *Coulomb and the Evolution of Physics and Engineering in Eighteenth-Century France*, pp. 150-65. Roberts & Trent, *Bibliotheca Mechanica*, p. 81—"In his memoir of 1784 on torsion, Coulomb describes his observations of the torsional rigidity of a wire, from which he obtained the formula for the period of vibration. Further experiments yielded the formula for the torque 'm' and concerned the mechanical properties of the materials from which the wires were made."

"The Chief Work of the Author"—Duveen

39. DICKINSON, Edmund. *Physica Vetus & Vera: sive Tractatus de Naturali veritate hexaëmeri Mosaici. Per quem probatur in historia Creationis, tum Generationis uniuersae methodum atque modum, tum verae Philosophiae*

principia, strictim atque breviter à Mose tradi. Added engraved title-page (small tear in blank portion) & several full-page engravings in the text. 6 p.l. (incl. added engraved title), 340, [4] pp. Large 4to, cont. panelled sheep (some rubbing, head of spine with a small chip). London: H. Illife for H. Ribotteau, 1702. \$4500.00

First edition of “the chief work of the author.”—Duveen, p. 171. Dickinson (1624-1707), was elected honorary fellow of the College of Physicians in 1664 and was physician to both Charles II and James II. Dickinson was intensely interested in alchemy and chemistry and Charles II built him a laboratory under the royal bedchamber where the king, the Duke of Buckingham, and Dickinson performed experiments. Newton owned, annotated, and dog-eared a copy of Dickinson’s alchemical book *Epistola ad Theodorum Mundanum* (Oxford: 1686).

“The great work on which he spent his latest years was a system of philosophy set forth in [the present work] . . . In this laborious work, on which years had been spent, and part of which he had to write twice in consequence of an accident by fire to the manuscript, the author pretends to establish a philosophy founded on principles collected out of the ‘Pentateuch.’ In a very confused manner he mixes up his notions on the atomic theory with passages from Greek and Latin writers as well as from the Bible. The book, however, attracted attention, and was published in Rotterdam, 4to, 1703, and in Leoburg, 12mo, 1705.”—*D.N.B.*, V, p. 939.

Fine fresh copy.

The First Printing of Fermat’s Last Theorem

40. DIOPHANTUS, of Alexandria. *Arithmeticonum Libri Sex, et De Numeris multangulis Liber Unus. Cum Commentariis C.G. Bacheti . . . & observationibus D.P. de Fermat . . . Accessit Doctrinae Analyticae inventum novum, collectum ex variis eiusdem D. de Fermat Epistolis.* Large engraved vignette on title, several finely engraved headpieces & initials, & a few woodcut diagrams in the text. 6 p.l., 64, 341, 48 pp. Folio, cont. vellum over boards (a little warped, title with two small & unimportant tears at outer margin, one or two signatures browned as usual). Toulouse: B. Bosc, 1670. \$55,000.00

First edition, and a very fine and fresh copy. This edition is the first to contain Fermat’s observations on the *Arithmetica* of Diophantus, the first systematic treatise on algebra; it also contains (on H3r) the first statement of the celebrated “Last Theorem” which Fermat originally wrote by hand in the margins of his copy of Bachet’s edition of Diophantus (1620). This theorem is the most famous problem in mathematics and remained unsolved for over 325 years until its recent solution by Andrew Weil.

The 1670 edition was published posthumously by Fermat's son Clement Samuel. It is based on his father's annotated copy of the Bachet edition of 1621 and contains a major part of Fermat's work on number theory, a branch of mathematics that he virtually created.

A nice copy. Minor foxing. A very few copies contain a portrait and occasionally an errata leaf, both of which were certainly issued later. They are not present in this copy.

☛ Smith, *Rara Arithmetica*, p. 348.

*Henri Estienne's Only Publisher's Catalogue;
With the Very Rare Appendix*

41. ESTIENNE, Henri. *Epistola de suae Typographiae Statu. Index Librorum qui ex Officina Henrici Stephani hactenus prodierunt.* Estienne device [Schreiber 12] on title. 63, [1] pp.; 32 pp. Two parts in one vol. 8vo, 19th-cent. green straight-grained morocco (a bit of foxing), sides decorated in gilt, spine gilt, a.e.g. [Geneva]: H. Estienne, 1569.

[bound with]:

— . [Caption title]: *Appendix ad Catalogum Librorum Officinae Henrici Stephani.* 6 pp., 1 blank leaf. 8vo. [Geneva: H. Estienne, ca. 1574].

\$22,500.00

The only publisher's catalogue issued by Henri Estienne, listing all books printed by him up to that date, as well as those produced by his father, Robert, of which copies were still in stock.

It is a well-known fact that the publisher's catalogues issued by Robert and Henri Estienne form by far the rarest — as well as the most desirable — category of books issued by them: already in the 18th century Maittaire referred to these ephemeral productions as "*rarissimi et ingenti pretio*" ("extremely rare and of enormous price"), while in the 19th century Renouard echoed him by calling them "*extrêmement rares*" (I, p. 93).

The catalogue is preceded by Henri Estienne's open letter about the present state of his printing firm (*Epistola de suae Typographiae Statu*), a document of crucial importance for the history of the Estiennes, called by Renouard "*pièce instructive et rare*" (II, p. 398). It is so important that the three great biographers and bibliographers of the Estiennes — Almeloveen, Maittaire, and Renouard — reprinted its text (cf. Renouard, II, pp. 529ff).

Our copy is remarkable in that it contains the catalogue's *Appendix* known in only a very few copies; this *Appendix* was issued separately, probably in 1574 judging from the titles listed in it.

The first section of the volume, with separate pagination and collation, and which apparently was available separately also (cf. Renouard 95, no. 7), consists

of Henri Estienne's important open letter (see above), in which he replies to the many friends who had inquired about the state of his press, now that he had lost the patronage of Ulrich Fugger the previous year, and about his publication plans — particularly about the fate of his projected magnum opus, the *Thesaurus Linguae Graecae*. In fact, Henri's letter deals at great length with his *Thesaurus*, the genesis and character of which he describes in detail. He claims its superiority to all other existing Greek lexica, showing by numerous examples the errors of his predecessors' and points out his own innovations.

In the second part of the *Epistle* appears Estienne's famous complaint about the rough treatment which classical authors receive at the hands of certain printers, who, according to him, are virtually illiterate, "hardly knowing more than how to distinguish a printed page from a blank one." He then contrasts these hacks to the great scholar-printers like Aldus Manutius, Froben, the Giunti, Badius Ascensius, and his own father, Robert Estienne. This section ends with Estienne's 37 elegiac verses addressed to Joachim Camerarius on his plans for the Frankfurt Book Fair.

Fine copy. Bookplate of G.J. Arvanitidi.

• Pollard & Ehrman, p. 59 & no. 35—(erroneously stating that the catalogue contains printed prices). Renouard 95:7 (*Index librorum*) and 96:8 (*Appendix*); 133:6 (*Epistola*).

The Editio Princeps of the Original Greek Text

42. EUCLIDES. *Elementa Geometriae* [:in Greek]. Woodcut printer's device on title & verso of final leaf, first page of text with a woodcut decorative border, & numerous woodcut diagrams in the text. 6 p.l., 268; 115, [1] pp. Folio, 18th cent. mottled calf (upper blank margin of title — 2.7 cm — renewed & title carefully backed at an early date), double gilt fillet round sides, spine richly gilt, red morocco lettering piece on spine. Basel: J. Herwagen, 1533. \$39,500.00

Editio princeps in Greek of Euclid's *Elements*, one of the great books in the history of the exact sciences. This is also the first Euclid to have the diagrams inset in the text.

The Greek text was edited by Simon Grynaeus, professor of Greek at Basel University. Grynaeus used two manuscripts — one sent by Lazarus Bayfius from Venice and the other supplied by John Claymond, president of Magdalen and later of Corpus Christi College, Oxford. The *Elements* occupy 268 pages, followed by 115 pages containing the four books of the commentary of Proclus on the first book of the *Elements*. This commentary "is of considerable value for the study of

ancient Greek geometry because of the historical information which it contains, derived from the lost works of Eudemos . . . and Geminus."—Sarton, I, p. 403.

Grynaeus dedicated this edition to Cuthbert Tunstall, Bishop of Durham and the author of the first English arithmetic.

A fine crisp copy.

• Thomas-Stanford 7.

His Most Famous Book

43. FURTTENBACH, Joseph. *Architectura Universalis. Das ist, Von Kriegs, Statt- und Wasser gebäwen.* Double-page engraved frontis., folding port. of the author, & 60 double-page or folding engraved plates. Title printed in red & black. 13 p.l., 159 pp. Small folio, cont. vellum over boards. Ulm: J.S. Meder, 1635. \$12,500.00

First edition, and a very fine, fresh copy, of Furttenbach's most famous book. Furttenbach (1591-1667), went to Italy at an early age to study engineering and military architecture. Upon returning to Ulm, he achieved various high positions in the city government and built the notably successful fortifications surrounding the city during the Thirty Years War. He was a businessman, mathematician, builder of organs, bridges, and ships, made many chemical experiments, and occupied himself with cartography, theater design, and interior decoration.

This handsomely illustrated and wide-ranging book, reflects the author's varied interests. There is much on architecture in general and for military purposes (barracks, fortresses, etc.), bridge building, naval architecture, guns and cannons, armored vehicles, etc., etc.

A really lovely copy.

• Berlin Cat. 1956. Fowler 132.

44. FUSS, Bernhard. *Specimen inaugurale medicum sistens Diaetam Infantum . . .* 24 pp. Small 4to, self-bound. Basel: E. Thurneysen, 1797. \$275.00

First edition of this very rare thesis on the diet of infants, defended at the University of Basel. Included are two chapters on dentition. Fuss was a member of the distinguished family of Balois scientists.

Fine copy.

• Not listed amongst the 213 dissertations listed at the end of Still's *History of Paediatrics*.

“The First Treatise on Bridge Building”

45. GAUTIER, Hubert. *Traité des Ponts, ou il est parlé de ceux des Romains & de ceux des Modernes . . . Des projets des Ponts . . . De la différence de toute sorte de Ponts . . . avec l'explication de tous les Termes des Arts qu'on employe à la construction des Ponts, & les Figures qui démontrent leurs différentes parties. Et les Edits, Declarations, Arrests & Ordonnances qui ont été rendus à l'occasion des Ponts & Chaussées . . .* Engraved frontis. & 26 folding engraved plates. 5 p.l. (incl. frontis.), 215, [5] pp. 8vo, attractive antique speckled calf by Trevor Lloyd, double gilt fillet round sides, spine gilt, red morocco lettering piece on spine. Paris: A. Cailleau, 1716.

\$1500.00

First edition “of the first treatise on bridge building which remained the standard work of reference throughout the 18th century, going into many further editions. The book covers all types of bridges in timber and masonry including different kinds of moving bridges, bridges of boats etc. The book is highly practical and Gautier brought all his experience as an architect and engineer to bear on problems likely to be encountered during construction of foundations, the making of cofferdams, the driving of piles and the selection and sizing of materials, ways of avoiding scour, the sizing of arches to allow adequate flow during flood conditions, machinery employed both for lifting materials and for pumping out, ornamentation and defense of the completed structure etc. . .

“In addition, Gautier illustrates and describes all Palladio’s timber bridge designs as well as giving detailed information on some recently-built bridges in both masonry and timber, including the Pont Neuf and the bridge at Blois. Several of the English architects working on designs for Westminster bridge during the 1730s, notably Hawksmoor and John James, are known to have made use of the book, and indeed James wrote that its author ‘has deserved very highly of all who have either occasion or desire to be instructed in the business of building bridges.’”—Elton, *Cat. 10*, 53.

Gautier (1660-1733), was inspector general of the Ponts-et-Chaussées in Paris. Very good copy. Ex Bibliotheca Mechanica.

♣ Roberts & Trent, *Bibliotheca Mechanica*, p. 134.

*The First Alphabetically Arranged Catalogue
of Plant Names*

46. GESNER, Conrad. *Catalogus Plantarum Latinè, Graecè, Germanicè, & Gallicè . . . Namenbüch aller Erdegewächsen, Latinisch, Griechisch, Teütsch, und frantzösisch. Regestre de toutes Plantes en quatre langues, Latin, Grec, Aleman,*

& Francoys. Unà cum vulgaribus Pharmacopolarum nominibus . . . Adjectae sunt etiam Herbarum Nomenclaturae variarum gentium, Dioscoridi ascriptae, secundum literarum ordinem expositae. 4 p.l., 162 leaves. Small 4to, cont. blindstamped panelled calf, central panel of upper cover depicting Christ crucified (carefully rebaked). Zurich: C. Froschauer, 1542.

\$27,500.00

First edition of a very rare book; I sold a copy of this book in 1983 and have been searching for another copy ever since.

This, Gesner's second botanical work, is "an alphabetically arranged catalog of plant names in four languages, the first of its kind, and an indication of the growing interest in botany beyond purely philological investigations into the writings of the classics. The Greek names are based on the works of Dioscorides. This early work is already characteristic of Gesner's life-long endeavour to arrange scientific topics in alphabetical or systematic order; it also shows his proficiency in languages, and his interest in their comparative treatment."—Wellisch 8.1.

A fine copy.

♣ Pritzel 3298.

Gesner's Correspondence

47. GESNER, Conrad. *Epistolarum Medicinalium . . . his accesserunt eiusdem Aconiti primi Dioscoridis Asseveratio, & De Oxytelitis Elleborati utriusque descriptione & usu Libellus, Omnia nunc primum per Casparum Wolphim Medicum Tigurinum, in lucem data.* Woodcut printer's device on title (repeated) & three large botanical woodcuts in the text. 8 p.l., 140, 28 leaves. Two parts in one. 4to, cont. vellum over boards. Zurich: C. Froschauer, 1577.

\$4750.00

First edition of the correspondence of Gesner (1516-65), the "German Pliny," with some of the outstanding physicians and scientists of his time, posthumously published by his friend and successor, Caspar Wolf (1525-1601). The letters are addressed to J. Crato, Adolph Occo, Felix Platter, Theodore Zwinger, J. Caius, Leonhard Fuchs, amongst others. They deal mostly with materia medica, botany, and natural history and provide many interesting sidelights on Gesner's life and works and on the scientific literature of the time.

The second part of the volume, with separate title-page and pagination, consists of the first edition of Gesner's monograph on aconite and hellebore, illustrated with three fine botanical woodcuts.

References to the magnet are found in two letters to Achilles Gasser, the editor of Peregrinus' *De Magnete* (f. 43r and 44r) and in a letter to Adolph Occo (f. 54v).

A fine copy. Scarce on the market.

♣ Durling 2067. *Heirs of Hippocrates* 186. Hunt 129. Osler 647. Pritzel 3302. Waller 3521. Waring, pp. 202 & 458. Wellcome, I, 2805. Wellisch B 3.1.

48. GIORDANO, Annibale [or Olivier]. *Memorie del Porto di Pesaro*. Finely engraved large vignette on title, one folding engraved map, an engraved headpiece, & one engraved initial. vi, 74 pp. Large 4to, attractive antique calf-backed marbled boards, spine gilt, green morocco lettering piece on spine. Pesaro: Casa Gavelli, 1774. \$750.00

First edition of very rare history of the seaport of the city of Pesaro, situated on the coast of the Adriatic. Giordano (1708-89), was a distinguished antiquary, honorary chamberlain to Pope Clement XIII, and perpetual secretary of the Pesaro Academy. In this work, he describes the port during Roman and medieval times and the reconstruction of the port in 1613-14 which was made possible by the generosity of Francesco Maria II della Rovere, Duke of Urbino. There is much on the archeology of the port and engineering matters.

It is interesting to note that there was a reprint of this book published in 2004. Fine copy.

49. GIORDANO, Annibale [or Olivier]. *Memorie di Gradara Terra del Contado di Pesaro*. Finely engraved large vignette on title, an engraved headpiece, one engraved initial, & an engraving in the text. 117, [1] pp. Large 4to, attractive antique calf-backed marbled boards, spine gilt, green morocco lettering piece on spine. Pesaro: Casa Gavelli, 1775. \$500.00

First edition of a very rare history — ancient and contemporary — of the area surrounding Pesaro. There is much on the archeology of the region. The book's importance caused a reprint to be published in 1980.

Fine copy.

The College of Physicians Defended

50. GOODALL, Charles. *The Colledge of Physicians Vindicated, and the true State of Physick in this Nation Faithfully represented: in Answer to a scandalous Pamphlet, entituled, The Corner Stone, &c.* 7 p.l., 191, [6] pp. 8vo, cont. mottled calf (some light browning), spine richly gilt. London: R.N. for W. Kettilby, 1676. \$5500.00

First edition of an uncommon book. Goodall (1642-1712), was admitted to the College of Physicians as a candidate in 1676 and eventually became president

from 1708 until his death. Early in 1676, Goodall published the present book which "is a reply to an attack on the college by Adrian Hyberts, and proves three points: that the College of Physicians was legally established, that it exercised its rights justly, and that it had advanced medical learning in England. The illustrations in support of the last show Goodall to have been well read in the science of his time."—*D.N.B.*, VIII, p. 114.

Nice and pretty copy.

☛ Gibson, *Francis Bacon, A Bibliography*, 410.

Presentation Copy to Dionysius Lardner

51. GRAHAME, Thomas. *A Letter addressed to Nicholas Wood, Esq., on that Portion of Chapter IX of his Treatise on Railroads, entitled "Comparative Performances of Motive Power on Canals and Railroads."* 40 pp. 8vo, attractive modern cloth. Glasgow: J. Smith & Son, 1831. \$750.00

First edition, presentation copy, inscribed on the title "To the Revd D Lardner from the Author." "Thomas Grahame, Glasgow merchant, was the last soldier in the struggle to hold the canal system against the overwhelming onslaught of the railways. This letter to Nicholas Wood was published by permission of the Forth & Clyde Canal company for whom Fairbairn was carrying out experiments on increased velocities and improved performances for canal boats. Grahame refers to these experiments during his (convincing) criticism of the chapter in Wood's book which claims for the locomotive superior qualities of working and efficiency and they form part of his argument that Wood had taken 'information at second hand, and instead of *testing by practice, judging of practice by theory*.'"—Julia Elton, *Weinreb Cat.* 50, 99.

Fine copy. Ex Bibliotheca Mechanica.

52. GRASHOF, Franz. *Die Festigkeitslehre mit besonderer Rücksicht auf die Bedürfnisse des Maschinenbaues. Abriss von Vorträgen an der Polytechnischen Schule zu Karlsruhe.* Numerous diagrams in the text. xiv, 293, [1] pp. 8vo, modern half-morocco & marbled boards (perforated stamp of the Franklin Institute on title). Berlin: R. Gaertner, 1866.

\$450.00

First edition. Grashof (1826-93), "as teacher and engineer, and as founding member, editor, and long-time director of the VDI, influenced a generation of engineers by bringing mathematical and scientific considerations to the burgeoning problems of the steam-engine age."—*D.S.B.*, V, p. 502.

"In this book, Grashof does not confine himself to elementary strength of materials, but introduces the fundamental equations of the theory of elasticity. He applies these equations to bending and torsion of prismatical bars and to

theory of plates. As well, he gives formulas for the design of machine parts using the maximum strain theory and extends Weisbach's investigation of combined stress."—Roberts & Trent, *Bibliotheca Mechanica*, pp. 144-45.

Apart from the perforation on title, a very good copy. Stamp of the Franklin Institute here and there. Ex Bibliotheca Mechanica.

53. GRASHOF, Franz. *Theorie der Elasticität und Festigkeit mit Bezug auf ihre Anwendungen in der Technik.* viii, 408 pp. 8vo, cont. mottled half-calf & cloth, stamp of "W. Denny & Bros." on upper cover, green morocco lettering piece on spine. Berlin: R. Gaertner, 1878. \$500.00

Second edition, revised. "This volume contains the first appearance of Grashof's general theory of elasticity. The first edition was published in 1866 with the title *Festigkeitslehre*, but Grashof felt he had so altered it, especially in regards to the equations of elasticity, that this edition deserved a new title. Grashof 'was the first to present the fundamental equations of the theory of elasticity, in a text on strength of materials in which he treated flexure, torsion, buckling, plates, and shells.'—R. S. Hartenberg in DSB . . .

"Grashof goes beyond St. Venant in considering bending of bars and beyond Lamé in dealing with cylindrical shells. He emphasizes analytical techniques and rarely uses figures. The five chapters deal with the general theory of elasticity, straight rods, curving rods, plates and definitions, making frequent references to Clebsch and St. Venant."—Roberts & Trent, *Bibliotheca Mechanica*, p. 145.

Nice copy. Ex Bibliotheca Mechanica.

Unpublished MS. of Medical Lectures

54. GRAUEL, Johann Philipp. Manuscript entitled "Erster Theil eines Entwurfs der anfangs-Gründe der artzney Wissenschaftt . . . Zum Gebrauch seiner Herren Audit. aus des Boerhavens, Hallers, Bohni, Pergens, and anderen gelährten Männer Schriften zusammengetrage . . . Transcripta a Joh. Petro Eberhardo. Stud. Chirurg." Numerous diagrams in the margins. 4to (220 x 175 mm), cont. boards, uncut. [Strasbourg]: finished 12 October, 1760. \$2500.00

An unpublished manuscript of the lectures delivered by the prominent Strasbourg medical professor Johann Philipp Grauel (1711-61), collected and written out by his student and colleague Johann Peter Eberhard (1727-79). Grauel published very little during his lifetime but was a noted professor and a major collector (see his posthumously published *Museum Grauelianum*, 1772). Eberhard studied medicine with Hoffmann in Halle and became professor of medicine, physics, and mathematics at the University of Halle. He published a commentary of the physiological ideas of Haller and Boerhaave along with other

medical works.

The present manuscript is a detailed discussion of the writings of Boerhaave, Haller, and Bohn on neurology, ophthalmology, pharmacology, physiology, hygiene, surgery, etc., etc.

Fine condition and quite legible.

• Grauel: Meusel, VI, 331. Eberhard: Hirsch, II, p. 370.

Privately Printed

55. GREENE, Charles Ezra. *The Action of Materials under Stress or Structural mechanics. Comprising the Strength and Resistance of Materials and Elements of Structural Design, with Examples and Problems.* Frontis. & two plates. 3 p.l., 271 pp. 8vo, orig. cloth, spine lettered in gilt. Ann Arbor: Printed for the Author, 1897. \$250.00

First edition of Greene's final book, privately printed. Greene (1842-1903), a graduate of Harvard and M.I.T., was professor of civil engineering at the University of Michigan and served as a consulting engineer on a variety of projects. "From the beginning of his career, Greene was a proponent of graphical methods of analysis and was fortunate enough to see his views vindicated and his works recognized as authorities in their field."—Roberts & Trent, *Bibliotheca Mechanica*, p. 146.

Very nice copy, with the errata leaf laid-in. Two bookplates of the Franklin Institute Library. Ex Bibliotheca Mechanica.

• D.A.B., IV, pp. 562-63.

*"The Actual Founder of the Italian
Hydraulics School"*

56. GUGLIELMINI, Domenico. *Della Natura de' Fiumi. Trattato Fisico-Matematico.* Engraved allegorical frontis. & 15 folding engraved plates. 6 p.l., 375 pp., [1] pp. 4to, 19th-cent. half-vellum & marbled boards, uncut. Bologna: Heirs of A. Pisarri, 1697. \$3000.00

First edition, and a large uncut copy, of Guglielmini's greatest work in hydraulics and his major book. "One of the most important hydraulic works of its time . . . The book discusses the nature of rivers and their parts, the motion of water, confluents and estuaries, banks, and materials and application. The historic preface quotes Galileo, Torricelli, Castelli, Mariotte, Viviani, Varignon, Newton, Johann Bernoulli, Poleni, and Grandi."—Roberts & Trent, *Bibliotheca Mechanica*, pp. 151-52.

Fine uncut copy. Ex Bibliotheca Mechanica.

• Riccardi, I, 643. Rouse & Ince, *History of Hydraulics*, pp. 68-71.

The Father of Orthopedics in Germany

57. **HEINE, Johann Georg.** *Beschreibung eines neuen künstlichen Fusses für den Ober- und Unterschenkel; nebst einer mathematisch-physiologischen Abhandlung über das Gehen und Stehen.* Two folding engraved plates. 1 p.l., xiv, [2], 84 pp. 8vo, attractive red morocco-backed marbled boards (slight foxing), spine lettered in gilt. Würzburg: bey dem Verfasser; Nuremberg: J.E. Zehe's Widow, 1811. \$2500.00

First edition of a rare and interesting book. Heine (1770-1838), surgical instrument maker and orthopedic surgeon, is considered the father of orthopedics in Germany. Apprenticed as a cutler, in 1798 Heine moved to Würzburg and became a craftsman making medical instruments for the city's university. Heine started his own workshop where he manufactured artificial limbs, stretching beds, wheelchairs and other orthopedic appliances, offering them for sale. In 1816 Heine opened the first orthopedic institution on German soil in a former monastery in Würzburg; it became well-known all over Europe as the Karolinen-Institut.

The present work describes an artificial foot developed by Heine. The fine plates depict all the parts of the foot and methods of securing it to the leg. Heine also describes the biomechanical considerations in constructing the foot.

Fine copy. Ex Bibliotheca Mechanica.

☛ Hirsch, III, pp. 129-30.

Leather

58. **HERMBSTAEDT, Sigismund Friedrich.** *Chemisch-technologische Grundsätze der gesammten Ledergerberey...* Three engraved plates (two folding). xix, 314 pp.; x, 229 pp. (some leaves misbound in Vol. II). Two vols. in one. 8vo, cont. calf (extremities rubbed, some browning), flat spine gilt, red & green leather lettering pieces on spine. Berlin: im Verlag der Realschulbuchhandlung, 1805-07. \$1250.00

First edition of a very rare book; there is no copy in *N.U.C.* Hermbstädt (1760-1833), the first chemist in Germany to adopt Lavoisier's views, was professor of technological chemistry at the University of Berlin. His numerous writings in this field proved to be very influential in the development of industry in Prussia.

This work is concerned with the manufacture of various kinds of leather including morocco, parchment, and Russia. The author describes the necessary preparations preliminary to tanning, techniques of tanning, and the processes which follow.

Good copy. Early stamps on title of J.M.A. Fischer, "Tanneur à Luxembourg" and Charles Alexander, another, somewhat later, tanner in Luxembourg.

☛ *D.S.B.*, XV, pp. 205-07. Partington, III, pp. 577-80. Poggendorff, I, 1082-83.

The Venturi Meter

59. **HERSCHEL, Clemens.** *115 Experiments on the Carrying Capacity of Large, Riveted, Metal Conduits, up to Six Feet per second of Velocity of Flow.* Photographic frontis., 13 photographic plates, & several illus. in the text. iv, [4], 130 pp. 8vo, orig. cloth (a little marked). New York: J. Wiley; London: Chapman & Hall, 1897. \$350.00

First edition. Herschel (1842-1930), was one of the leading hydraulic engineers in America during the latter part of the 19th century. He was chief engineer of the Holyoke Water Power Company and later of the East Jersey Water Company. Herschel "invented the Venturi meter, a device without moving parts for the measurement of the flow of water in pipes... [it] is the achievement for which he will be best and longest remembered. The Venturi meter is in ever-increasing use the world over in substantially the same form in which Herschel produced it originally."—*D.A.B.*, IV, p. 595.

The present work describes the Venturi meter and its use.

Fine copy. Bookplate of Robert E. Horton who had made some notes and underlinings in pencil. Ex Bibliotheca Mechanica.

♣ Roberts & Trent, *Bibliotheca Mechanica*, p. 162.

The First English Book on Globes

60. **HUES, Robert.** *Tractatus de Globis, Coelesti et Terrestri eorumque Usu.* Finely engraved vignette on title of a globe, numerous woodcut illus. in the text, & one volvelle on p. 83. 12 p.l., 130 pp. Small 4to, attractive antique vellum (some occasional cropping), panelled in gilt, a.e.g. Amsterdam: H. Hondius, 1624. \$3750.00

An important early edition of the first English book on globes; it remained the standard work on globes for nearly a century. This edition is annotated by the distinguished Dutch cosmographer and historian Isaac Pontanus (1571-1639), formerly a student of Tycho Brahe, and published by the artist and great dealer in all things geographical, Hondius. The first edition was published in England in 1594.

Hues (1553-1632), wrote at the height of the great age of exploration; he circumnavigated the world with Thomas Cavendish (1586-88) as navigator-geographer. Originally written to accompany a pair of globes by Emery Molyneux, the largest ever made, this book is in five parts. "Because, unlike Hood, who appears never to have gone to sea, Hues combined mastery of the practice as well as of the theory of navigation, his treatise is of particular interest...

"The first part treats of the features common to both globes; of their frames; of the circles described upon their surfaces, such as the equator... In the second

part of his treatise Hues dealt with subjects 'proper to the Celestial Globe'. These were such matters as the planets, the stars and their constellations, both northern and southern, the zodiac and 'the other stars which are not expressed in globes' . . .

"In the third part Hues briefly described the land and seas delineated on the terrestrial globe, reviewed the bounds of geographical discovery in his day, and discussed the problem of determining the size of the earth and the measurement of a degree . . .

"In his fourth part Hues speaks of the practical uses of the globe. Besides its purely astronomical and geographical uses, the globe, he explained, was invaluable in the art of navigation . . .

"It was in the fifth and last part of his *Tractatus* that he introduced something quite new, a detailed explanation 'of the Rombes that are described in the Terrestrial globe and their use' . . . Hues, in a short but brilliantly lucid treatise, discussed first the general characteristics and significance of rhumb lines in navigation, and then their particular use when represented on a globe, in the solution of various navigational problems . . .

"Hue's *Tractatus de Globis* remained the standard work on globes for nearly a century."—Waters, *The Art of Navigation in England*, pp. 192-94.

Fine copy.

• Alden, *European America*, 617.67. Taylor, *The Mathematical Practitioners of Tudor & Stuart England 1485-1714*, pp. 178 & 332.

An Important Work on Eudiometry

61. HUMBOLDT, Alexander von. *Versuche über die chemische Zerlegung der Luftkreises und über einige andere Gegenstände der Naturlehre.* Two engraved plates & four folding printed tables (each printed on both sides). 2 p.l., 258 pp. 8vo, cont. black boards (minor foxing), pale blue lettering piece on spine. Braunschweig: F. Vieweg, 1799. \$2500.00

First edition of an important work on eudiometry, containing valuable data on the composition of air and different gases (oxygen, carbon dioxide, nitrogen dioxide, and sulphur dioxide) and on the oxidation of phosphorus. At the end (pp. 255-58) is a letter by Humboldt to the brother of A.J. Garnerin, the first man to descend by parachute from a balloon (1797), on the analysis of air gathered by the latter 1300 meters above Paris.

Fine copy. Signature on free front-endpaper dated 13 June 1857 and stamp on verso of title of Dr. Schwarz.

• Neville, I, p. 666. Poggendorff, I, 1157.

*With the Rare World Map
"The Foundation of all Planetary Calculations
for over a Century"—Sparrow*

62. KEPLER, Johannes. *Tabulae Rudolphinae, quibus Astronomicae Scientiae, Temporum longinquitate collapsae Restauratio continetur . . .* Finely engraved allegorical frontispiece (blank plate-mark slightly cropped at outer edge), numerous woodcut diagrams in the text, & one large (38.5 x 68.5 cm) folding engraved map of the world. 8 p.l., 120 pp., 4 leaves [numbered 121-25 & 3 unnumbered pp. of the "Sportula"], 115 (i.e. 119) pp. Folio, 18th cent. half-sheep & paste-paper boards (a little worn). Ulm: J. Saur, 1627. \$185,000.00

First edition, with the magnificent and very rare world map. The *Rudolphine Tables* provided the chief vehicle for the recognition of Kepler's astronomical accomplishments; it contains the first astronomical tables to be based on Kepler's three laws of planetary motion and is the first of Kepler's books to employ logarithms. This copy is one of the very few issued with the large map of the world prepared by the German cartographer Philip Eckerbrecht at Kepler's request.

"The printed volume of the *Tabulae Rudolphinae* contains 120 folio pages of text in the form of precepts and 119 pages of tables. Besides the planetary, solar, and lunar tables and the associated tables of logarithms it includes Tycho Brahe's catalog of 1,000 fixed stars, a chronological synopsis, and a list of geographical positions. In some of the copies there is also a foldout map of the world . . . the map was engraved in 1630 but apparently was not distributed until many years later. This work stands alone among Kepler's books in having an engraved frontispiece — filled with intricate baroque symbolism . . ."—*D.S.B.*, VII, p. 305.

The "striking and unusual [world] map was conceived by the German cartographer Philip Eckerbrecht at the request of his friend Johann Kepler to be used with his Rudolphine Astronomical tables for the calculation of longitude which were first published at Ulm in 1627. However, although the map is dated 1630, all copies known today must have been issued considerably later, certainly after 1658 when the Emperor Leopold to whom the map is dedicated came to the throne . . . Because of the long delay in the publication of the map it is seldom found in copies of the book it was intended to accompany, and indeed only very rarely is Eckerbrecht's map found on the open market."—Shirley, *The Mapping of the World*, 335.

Fine copy, unusually large and fresh. Bookplate of Hr. Mielzynskich w Pawlowicach. As usual, the four leaves of the "Sportula" are a little foxed.

♣ Caspar 79. Gingerich, "Johannes Kepler and the *Rudolphine Tables*" in *The Great Copernicus Chase* (1992), pp. 123-31. Sparrow, *Milestones of Science*, 116.

- 63. STAATS-UND UNIVERSITÄTS-BIBLIOTHEK, KÖNIGSBERG.** *Catalogus Codicum Manuscriptorum Bibliothecae Regiae et Universitatis Regimontanae.* Compiled by E.J.H. Steffenhagen. 1 p.l., x, 93, [1] pp.; iv, 108 pp. Two vols. in one [all published]. Large 4to, orig. printed wrappers bound in cont. cloth-backed marbled boards (foot of spine a little worn). Königsberg: 1861. \$400.00

The catalogue of the juridical and historical MSS. at the University library of Königsberg, which traces its origins to 1534 and the castle library of the Dukes of Prussia, and 1544 when the University was founded. Many of the MSS. in this library come from the donation of Martin von Wallenrodt (d. 1632), who left a collection of 3000 volumes in 1623. Most of the MSS., described here very fully and carefully, are of the 14th to 16th centuries.

More than 415 MSS. are described. With excellent indexes.

Very good copy. Old library stamps on verso of title.

♣ Buzas, *Deutsche Bibliotheksgeschichte der Neuzeit (1500-1800)*, pp. 25, 43, 68, & 104. Schwenke, *Adressbuch der Deutschen Bibliotheken*, 836.

*The Most Important Milestone in the Development
of Chemical Nomenclature*

- 64. LAVOISIER, Antoine Laurent et al.** *Méthode de Nomenclature Chimique, Proposée par MM. de Morveau, Lavoisier, Bertholet, & De Fourcroy. On y a joint un nouveau Système de Caractères Chimiques, adaptés à cette Nomenclature, par MM. Hassenfratz & Adet.* One large folding printed table & six folding engraved plates. 2 p.l., 314 pp. 8vo, cont. mottled calf (foot of one joint repaired). Paris: Cuchet, 1787. \$2000.00

First edition, second issue, of one of the key books in the history of modern chemistry. Lavoisier's discoveries made a new and rational chemical nomenclature imperative. Initiated by Guyton de Morveau, still an adherent of the phlogiston theory, the project was taken up by Lavoisier, who soon convinced Guyton of the truth of his system. They entered into collaboration with Berthollet and Fourcroy. The result of their combined efforts is contained in the present volume, the most important milestone in the development of chemical nomenclature. The new nomenclature, with only slight modifications, is still the basis of the language of modern chemistry.

In the second printing of the first edition, the following pages are misnumbered: 241-56 instead of 257-72.

Very good copy.

♣ Cole 566. Duveen & Klickstein 129. Sparrow, *Milestones of Science*, p. 27 and plate 113.

The Experiments of Poncelet & Lebros

65. **LEBROS, Joseph Aimé.** "Expériences Hydrauliques sur les Lois de l'Écoulement de l'Eau a travers les Orifices Rectangulaires Verticaux a Grandes Dimensions, entreprises a Metz, d'après les Ordres de M. le Ministre de la Guerre, pendant les trois derniers mois de 1828 et pendant les années 1829, 1831 et 1835. Par M. Lebros, Colonel de Genie. Prix de Mécanique de 1850" in *Mémoires présentés par divers Savants a l'Académie des Sciences de l'Institut National de France... Sciences Mathématiques et Physiques*, Vol. 13. 37 folding lithographed plates. 3 p.l., 579 pp. Large 4to, orig. paste-paper boards (a little worn), orig. printed label on spine (label abraded). Paris: Imprimerie Nationale, 1852. \$500.00

First edition. "This very rare prize-winning memoir of 1850 is based upon the experiments performed by Poncelet and Lebros in 1828, and the later experiments undertaken by Lebros. These hydraulic experiments, which took place at Metz, concerned the laws governing the circulation of water through large, rectangular, vertical orifices. The experiments were undertaken at the order of the Ministry of War which governed the engineering corps."—Roberts & Trent, *Bibliotheca Mechanica*, p. 201.

The memoir by Lebros occupies pp. 1-509 and all of the plates pertain to Lebros' work.

Fine copy. Ex Bibliotheca Mechanica.

66. **LEONARDI, Camillo.** *Speculum Lapidum... cui accessit Sympathia Septem Metallorum ac septem selectorum Lapidum ad Planeta. D. Petri Arlensis de Scudalupis...* Finely engraved title, two finely engraved ports., & two woodcuts in the text (one full-page). 21 p.l. (of 22, lacking the printed leaf "Ad Effigiem... Nivernois," 244 pp.; 2 leaves (the first is a blank), 345 (i.e. 245)-499, [36] pp. Two parts in one vol. 8vo, attractive antique calf by Trevor Lloyd, single gilt fillet round sides, spine gilt, red morocco lettering piece on spine. Paris: C. Sevestre et al., 1610. \$1350.00

First edition to contain these two texts. The famous medieval lapidary of Leonardi "is divided into three books. The first treats of the nature and origin of stones, their beauties, colors and virtues. In the second there is a formal description of 279 minerals arranged in alphabetical order... Leonardus includes in his lapidary almost every mineral mentioned by any previous writer, which gives to his book a special interest and value... In the third book the author treats of the figures engraved upon gems and other stones by the ancients, of the particular virtues of the engraved stones, how they absorbed the influence of the planets and constellations."—Adams, *The Birth and Development of the Geological*

Sciences, pp. 155-56.

Appended is the first printing of the *Sympathia* of Petrus Arlensis de Scudalupis. The *Sympathia* "discusses the possible connections and influences of the seven planets on the seven gems and the seven metals."—Sinkankas 3894 & 5109—(and see the rest of the latter entry for a fuller explanation of this text).

Fine and fresh copy but lacking a printed preliminary leaf (it has no textual importance).

♣ Caillet 6544. Ferguson, II, pp. 26-27. Duveen, pp. 351-52. Hoover 526. Neville, II, p. 54—"Both works deal with the magnet in great detail. Caillet describes this edition as very rare, as most copies were suppressed owing to the secrets they divulge." Wheeler Gift Cat. 83.

67. LEONHARD, Karl Cäsar von, MERZ, Ernst Karl Friedrich, & KOPP, Johann Heinrich. *Systematisch-tabellarische Uebersicht und Charakteristik der Mineralkörper. In oryktognostischer und orologischer Hinsicht.* 3 p.l., xvi pp., 83 leaves, [84]-125 pp. (several leaves misbound). Folio, marbled boards. Frankfurt am Main: J.C. Hermann, 1806.

\$2500.00

First edition and very rare; this is a systematic survey of minerals, in the form of tables, giving extensive descriptions of their external appearances and chemical qualities. Leonhard (1779-1862), professor of mineralogy at the University of Heidelberg, wrote the oryctognostic section, Merz (1776-1813), the orologic section, and Kopp (1777-1858), the chemical section.

"As a founding editor of the *Taschenbuch für die gesammte Mineralogie*, Leonhard earned a place among the foremost mineralogists of his time. His prolific writings contributed to the rise of popular interest in geology during the nineteenth century."—*D.S.B.*, VIII, p. 245.

Fine copy.

♣ Poggendorff, I, 1427.

*The Lomenie de Brienne Collection of Incunabula;
Thick Paper Set?*

68. (LOMENIE DE BRIENNE). *Index Librorum ab inventa Typographia ad Annum 1500; Chronologicè dispositus cum notis historiam typographico-litterariam illustrantibus...* Compiled by François Xavier Laire. 2 p.l., viii, 475 pp.; 2 p.l., 464 pp. (a few preliminary leaves misbound). Two vols. 8vo, cont. calf (some rubbing, head of spine of Vol. I a little chipped), flat spines richly gilt, green morocco lettering pieces on

spines. Sens: P.H. Tarbe, 1791.

[bound with]:

(—). *Catalogue des Livres de la Bibliotheque de M***. Faisant suite à l'Index Librorum ab Inventa Typographia ad Annum 1500. Auct. Fr. Xav. Laire.* By Guillaume de Bure l'aîné. 2 p.l., 112 pp. 8vo, binding as above. Paris: G. de Bure l'aîné, 1792 [corrected by a contemporary hand to "1793."]

\$2500.00

First edition, and an attractive complete set, of the detailed catalogue of the incunabula in the library of Cardinal Lomenie de Brienne (1727-94), compiled by his librarian, Laire (1739-1800). "Catalogue bien fait, et digne de son savant auteur; cette précieuse collection appartenait au cardinal de Lomenie de Brienne, et fut vendue à Paris en 1792. On y trouvoit beaucoup d'articles extrêmement rare, qui ont passé dans le commerce pour la première fois. Le nombre des ouvrages vendus a été de 1371 . . . Le catalogue que nous citons ici est très bien imprimé, et enrichi de quatre tables alphabetiques."—Peignot, pp. 84-85.

This set is complete with the rare third volume which is the auction catalogue of the library.

A very good set. I believe this is one of the "beau papier" sets mentioned by Peignot.

• Bigmore & Wyman, I, p. 415—(with a misleading collation).

69. LONGUET, Louis Bernard. *Sur l'Inflammation des Veines.* 30 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1815.

\$225.00

First edition and very rare; OCLC locates no copy in the U.S. Longuet, a native of Caen, gives an anatomical description of the veins and describes the various causes of inflamed veins. Much of his research was based on the examination of cadavers and four detailed case histories are given.

Fine copy.

70. MALOUIN, Charles. *Traité des Corps solides, et des fluides, ou Examen du mouvement du Sang, de celui du Coeur, des Artères et des autres vaisseaux du Corps Humain, selon les Loix de la Mécanique, de la Physique et de la Médecine . . . mis en lumière par M. Jacques-Laurent Malouin, son frère . . .* 8 p.l., 145, [7] pp. Small 8vo, cont. calf (corners & ends of spine a little worn, some rubbing), spine gilt, red morocco lettering piece on spine.

Paris: Jouenne, 1718.

\$1750.00

First edition in French. The first edition — *De Vero et Inaudito Artificio quo moventur solida, unaque de Cordis et Cerebri Motu* (Caen: 1715) — is an impossibly rare book. Malouin (1695-1718), came from a prominent family of lawyers and scientists in Caen. His brother — Paul Jacques — was professor of chemistry at the Jardin due Roi and physician to the queen of France.

“An early work on haemodynamics and the role of the heart, arteries and veins in the circulation, published posthumously.”—Evan Bedford Cat. 234.

Very good and crisp copy. Rare.

♣ Hirsch, IV, p. 48.

A Magnificent Sammelband from the Auersperg Library

71. MARCIA KRONLAND, Johannes Marcus. *Idearum Operatricium Idea sive Hypotyposis et detectio illius occultae Virtutis, quae Semina faecundat, & ex iisdem Corpora organica producit.* Finely engraved title-page & many unusual engravings in the text (some full-page). [350] pp. (of 352, lacking as usual a leaf of the table of contents A4, see below). 4to, cont. vellum over boards, yapp edges, sides stamped in gilt with a central arabesque device on each cover, flat spine decorated, edges gilt & gauffered. [Prague: Typis Seminarii Archiepiscopalis], 1635.

[bound with]:

— . *De Proportione Motus seu Regula sphygmica ad celeritatem et tarditatem pulsuum ex illius motu ponderibus geometricis librato absque errore metiendam.* Finely engraved title, engraved port. of the author on verso, one engraved plate, & 31 engraved illus. in the text. Each page of text printed within a border of printer's ornaments. 64 leaves. 4to. [Prague: J. Bilina, 1639].

[bound with]:

— . *De Proportione Motus Figurarum Recti Linearum et Circuli Quadratura ex Motu.* Finely engraved title, & 32 engraved illus. in the text. Each page of text printed within a border of printer's ornaments. 71 (of 72) leaves. 4to. Prague: [ex Typographia Academica], 1648.

[bound with]:

— . *Thaumantias Liber De Arcu Coelesti deque Colorum apparentium Natura, Ortu, & Causis.* Finely engraved illus. title & numerous engravings in the text. 3 p.l. (of 4, lacking the engraved port.), 268, [2] pp. 4to. [Prague:

Typis Academicis, 1648].

\$55,000.00

A magnificent *sammelband*, containing Marci's four most important books.

I. First edition of the author's very rare first book; Marci (1595-1667), professor of medicine at Prague University has been called the "Bohemian Galileo." Needham, in his *History of Embryology*, describes Marci's theories regarding embryology in the present book as a "development of extraordinary interest" (p. 80).

"His *Idearum Operatricium Idea*, published in 1635, was a mixture of purely scientific contributions to optics, and speculative theories about embryology. Thus he explained the production of manifold complexity from the seed in generation by an analogy with lenses, which will produce complicated beams from a simple light-source. The formative force radiates from the geometrical centre of the foetal body, creating complexity but losing nothing of its own power . . .

"Marcus Marci thus links together the following trends of thought: (1) the old Aristotelian theory of seed and blood, (2) the new rationalistic mathematical attitude to generation as e.g. in Gassendi and Descartes, (3) the new experimental approach, in his contributions to optics, (4) the cabbalistic mysticism of light as the fountain and origin of things. Finally (5) by his brilliant guess of centres of radiant energy, he anticipates much of modern embryology (field theories, fate of part as function of positions, etc.). Pagel and Baumann give an elaborate discussion of his opinions."—Needham, pp. 80-81.

As stated above this copy lacks the second leaf of the table of contents. This was usually excised by the printer or binder as the contents listed on this leaf were not printed in the present book due to a change of plans.

II. First edition, and very rare, of the best known and most important book of Marci. The present book contains "his theory of the collision of bodies (particularly elastic bodies) and gave an account of the experiments whereby he reached it. Although these experiments are described precisely, Marci was unable to formulate general quantitative laws from them, since his results were not drawn from exact measurements of either of the sizes and weights of the spheres that he employed or of the direction and velocity of their motion. Rather, he was content with simple comparisons of the properties that he investigated, characterizing them as being 'smaller,' 'bigger,' or 'the same' as each other . . . despite these shortcomings, his observations and conclusions are generally right. He was able to distinguish different qualities of spheres and to state the concepts of solid bodies and of quantity of motion."—*D.S.B.*, IX., p. 97.

The delightfully engraved title-page illustrates many of the experiments described in the book: weights being dropped from a high tower, a cannon being fired, careening balls on a billiard table, sparks flying off a grinding wheel (centrifugal force), a man swinging from two ropes (pendulum motion), and a man batting a ball against a wall.

Marci "was the first to make substantial progress with the difficult problem of impact, a problem that Galileo touched on without success and that Descartes

completely muffed.”—E.C. Watson in *American Journal of Physics*, Vol. 16 (1948), pp. 246-47.

III. First edition of what I believe to be the rarest of all the books by Marci. The present book, concerned with the theory of collisions, is a continuation and elaboration of his 1639 publication *De Proportione Motus seu Regula Sphygmica*. In this work, Marci responds to criticisms made of his 1639 book [see item II] and presents new theories concerning the geometrical form of bodies in movement, the properties of free fall, the duration of the oscillation of a pendulum and its length, etc. There are a number of references to Galileo.

Lacking the fourth preliminary leaf (with engraved portrait of the author on verso).

IV. First edition of a very rare book. “Marci also carried out research in optics, setting down most of his results in *Thaumantias*... (1648). In his optical experiments, designed to explain the phenomenon of the rainbow, Marci placed himself in the line of such Bohemian and Moravian investigators as Kepler, Christophe Scheiner, Baltasar Konrad, and Melchior Hanel. In his experiments on the decomposition of white light, for which he employed prisms, Marci described the spectral colors and recorded that each color corresponded to a specific refraction angle. He also stated that the color of a ray is constant when it is again refracted throughout another prism... He did not mention the reconstitution of the spectrum into white light (a result that is first to be found in the work of Newton), although he did study the ‘mixture’ of colored rays. He also made inconclusive experiments on light phenomena on thin films.”—*D.S.B.*, IX, p. 97.

Lacks the portrait of Marci.

Minor browning but a very fine *sammelband*; it is hard to imagine a more pleasing object. Bookplate of Wolfgang Engelbert, Graf von Auersperg. Ex Bibliotheca Mechanica.

• *D.S.B.*, IX, pp. 96-98. Roberts & Trent, *Bibliotheca Mechanica*, pp. 214-15. IV. Boyer, *The Rainbow*, pp. 219—(& see pp. 219-25 for a long discussion of this book)—“Of considerable significance for the attempt to explain color quantitatively.”

With Some of Legendre's Earliest Writings

72. MARIE, Joseph François. *Traité de Mécanique*. Twelve folding engraved plates. viii, 440 pp. Large 4to, cont. marbled sheep (carefully rebacked), spine gilt, red morocco lettering piece on spine. Paris: la Veuve Desaint, 1774. \$1500.00

First edition. “This textbook of mechanics was written with the assistance of Legendre and contains some of his earliest work. The introduction spells out the principles of mechanics and deals with the theories of movement and equilibrium. Following the usual division of the subject into statics and

dynamics, the first part deals with the center of gravity and machines, while the second part deals with the free movement of a body, its movement on a path and the mutual influence of several bodies. It is the second part which reflects Legendre's contributions."—Roberts & Trent, *Bibliotheca Mechanica*, p. 216.

Marie (1738-1810), was professor of philosophy and mathematics at the Sorbonne. Among his students was Legendre, with whom he arranged for the publication of Lagrange's classic *Mécanique Analytique* (1788).

Fine copy. Ex Bibliotheca Mechanica.

The Metric System

73. MÉCHAIN, Pierre François André & DELAMBRE, Jean Baptiste Joseph. *Base du Système Métrique Décimal, ou Mesure de l'Arc du Méridien compris entre les Parallèles de Dunkerque et Barcelone, exécutée en 1792 et Années suivantes . . .* 28 folding engraved plates & numerous tables in the text. 1 p.l., 180, ii, 551 pp.; [iii]-xxiv, 844 pp.; 1 p.l., 4, 16, 704, 62 pp. Three vols. Large 4to, cont. straight-grained calf, triple gilt fillets round sides, spines gilt, red & green leather lettering pieces on spines. Paris: Baudouin & Garnery, 1806-07-10.

[bound with]:

BIOT, Jean Baptiste & ARAGO, Dominique François Jean. *Recueil d'Observations Géodésiques, Astronomiques et Physiques, exécutées par Ordre du Bureau des Longitudes de France . . . pour déterminer la variation de la pesanteur et des degrés terrestres sur le prolongement du Méridien de Paris, faisant suite au troisième volume de la Base du Système métrique.* Two folding plates. 1 p.l., xxx, 588 pp. Large 4to, binding as above. Paris: Courcier, 1821. \$37,500.00

First edition and a very attractive set of the account of the important meridian measurement which served as the basis for the metric system. "We owe the introduction of an international metric system to the French Revolution. In 1790 the Académie des Sciences, at the request of Talleyrand, set up a commission to consider the question . . . In 1791 they reported that the fundamental unit of length should be derived from a dimension of the earth: it should be the ten-millionth part of a quadrant of the earth's meridian extending between Dunkirk and Barcelona . . . The astronomers . . . Delambre and . . . Méchain were charged with the task of measuring accurately the newly adopted length along the meridian arc between Dunkirk and Barcelona. Owing to the disturbances of the revolutionary period their work was much impeded, but in 1799 their measurement was completed. The above work — 'Basis of the Metric Decimal System' — embodies their report. The length of a metre (equalling 39.37 English

inches) was marked on a platinum bar.”—*Printing and the Mind of Man* 260.

Biot and Arago’s book serves as a supplement to Méchain and Delambre’s three volume work. It contains the results of the authors’ meridian measurement in Spain, and as far north as the Shetland Islands, and in connection with it, Biot’s determination of the seconds’ pendulum at the various stations of the arc between Dunkirk and Formentera, of which the results obtained were pronounced by Prof. Grant in his *History of Physical Astronomy* as “the earliest data of this kind which fully deserved the confidence of astronomers.”

A handsome set of the foundation work which established the metric system. Half-titles in the first three volumes lacking.

• En Français dans le Texte 212.

*The High Point of the Archimedean Revival
of the Renaissance*

74. MONTE, Guido Ubaldo, Marchese del. *Mechanicorum Liber*. Woodcut vignette on title & numerous woodcut diagrams in the text. 8 p.l. (the last a blank), 130 leaves, 1 leaf. Folio, cont. limp vellum (occasional minor dampstaining & light browning, ties gone). Pesaro: H. Concordia, 1577. \$13,500.00

First edition of a scarce and important book. “From the time of its publication in 1577 Guidobaldo’s *Liber Mechanicorum* was indeed recognized as the most authoritative treatise on statics to emerge since antiquity, and it remained pre-eminent until the appearance of Galileo’s *Two New Sciences* in 1638. It marks the high point of the Archimedean revival of the Renaissance. Not only did Guidobaldo establish statics on the rigorous mathematical procedures of Archimedes, but he also introduced an historiography of mechanics which was designed to legitimise the Archimedean revival.”—Rose, *The Italian Renaissance of Mathematics*, p. 222.

Most of the present work is concerned with the theoretical discussion of machines and the introduction contains an historical essay on the engines used by the ancients.

Monte (1545-1607), was Galileo’s patron and friend for twenty years and was possibly the greatest single influence on the mechanics of Galileo.

A very good and large copy preserved in a morocco-backed box. Later endpapers. Ex Bibliotheca Mechanica.

• D.S.B., IX, pp. 487-89. Riccardi, II, 178—“Raro.” Roberts & Trent, *Bibliotheca Mechanica*, pp. 228-29.

The First Description of the Pyrometer

75. **MUSSCHENBROEK, Petrus van.** *Tentamina Experimentorum Naturalium captorum in Academia del Cimento . . . quibus Commentarios, Nova Experimenta, et Orationem de Methodo Instituendi Experimenta Physica addidit . . .* Thirty-two folding engraved plates & one folding printed table. Title in red & black. 8 p.l., xlviii, [12], 193 pp.; 192, [14] pp. Two parts in one vol. Large 4to, cont. calf (joints very slightly rubbed), spine nicely gilt, contrasting morocco lettering piece on spine. Leyden: J. & H. Verbeek, 1731. \$3000.00

First edition. This book contains the first description of the pyrometer, an instrument for measuring the expansion of solid bodies under the influence of heat. Like many of Musschenbroek's books, the *Tentamina* contains fine illustrations and is concerned with experiments in measuring humidity, magnets and electricity, air pressure, the structure of ice, heat and cold, capillarity, optics, the motion of sound, etc.

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

A fine and handsome copy.

♣ Wheeler Gift Cat. 276.

76. **NERET, Charles Severin.** *Essai sur le Typhus contagieux.* 39 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1814. \$200.00

First edition of this rare thesis on typhus; there is no copy in OCLC. Neret, a native of Nancy, suggests how the disease is spread and provides a very detailed account of the course of the disease including incubation, invasion of the body, eruptions of the skin, and the final crisis. He provides six interesting case histories.

Fine copy.

77. **NODIER, Charles.** *Mélanges tirés d'une Petite Bibliothèque, ou Variétés Littéraires et Philosophiques.* viii, 428 pp. 8vo, cont. blue boards (extremities a trifle worn), flat spine gilt, red morocco lettering piece on spine. Paris:

Crapelet, 1829. \$450.00

First edition, printed on fine paper. In this work, "which has not always been regarded as a library catalogue, Charles Nodier describes forty-two books chosen from his library for their rarity, piquancy, or other merits. He accompanies each title with biographical remarks about the author, bibliographical, critical, or interpretative comments on the book, the subject of the book, or other themes that readily offer themselves."—Taylor, *Book Catalogues*, p. 9—(& see pp. 9-10, 12, & 146).

Fine copy. Bookplate of Bibliotheque Breau and another.

• Brunet, IV, cols. 88-89—(see the long description of this book and its merits).

78. NODIER, Charles. *Description raisonnée d'une Jolie Collection de Livres (Nouveaux Mélanges tirés d'une petite Bibliothèque) . . . précédée d'une Introduction par M. G. Duplessis. De la Vie de M. Ch. Nodier, par M. Francis Wey et d'une Notice Bibliographique sur ses Ouvrages.* 2 p.l., 36, 492, [3] pp. 8vo, cont. morocco-backed marbled boards (joints rubbed, minor foxing), spine gilt. Paris: J. Techener, 1844. \$350.00

First edition of this description of one of the most celebrated French collections of the Romantic period. This is Nodier's account of his collection in its final state. He was obviously considering retirement and the realization of his main asset, and for this purpose had again prepared extensive investigations of the books to be sold as *Nouveau Mélanges*, a part of which he had published in the *Bulletin du Bibliophile*; death overtook him on 27 January, 1844, by which time his entire text had been set up in proof.

This copy lacks, as is quite often the case, the "Introduction" (7 pp.), "Notice bibliographique" (24 pp.), and the "Table & Prix" (28 pp.) but does contain Nodier's note on Duvergier's "Invention de l'Imprimerie" (3 pp.).

Very good copy. 1254 entries.

A "Small" Scientific Controversy

79. NYSTROM, John William. *On Force of Falling Bodies and Dynamics of Matter, classified with Precision to the Meaning of Dynamical Terms.* Several illus. in the text. 31 pp. 8vo, cont. red half-morocco & cloth sides (spine a little chipped), spine lettered in gilt. Philadelphia: J.B. Lippincott, 1873. \$250.00

First edition. "This pamphlet contains a series of letters which appeared in the *Scientific American*, all inspired by a question published in that journal, June 8th, 1872:

'Force of Falling Bodies. – We have a steam-hammer weighing exactly three

tons, including piston and rod; the stroke is four feet, and the hammer falls by its own gravity. What will be the force of the blow, making no allowance for friction? What is the formula for the calculation?"

"Four letters attempting to answer this question follow, all of which were found inadequate by Nystrom, who responded with his own letter on August 31, 1872. Nystrom's findings were in turn disputed by Prof. P. H. Vander Weyde, resulting in a small controversy. In support of his position, Nystrom presents here a classification of dynamical terms and a series of formulae representing their relationships. He stresses that dynamical problems are not sufficiently understood and implies that the scientific establishment and the *Scientific American* are impeding his attempts to cast light on the problem."—Roberts & Trent, *Bibliotheca Mechanica*, p. 242.

Nystrom (1824-85), was an engineer based in Philadelphia who had a special interest in water supply problems.

Bookplate and embossed stamp of the U.S. Patent Office. Ex *Bibliotheca Mechanica*.

80. NYSTROM, John William. *A New Treatise on Elements of Mechanics establishing Strict Precision in the Meaning of Dynamical Terms. Accompanied with an Appendix on Duodenal Arithmetic and Metrology.* Illus. & tables in the text. 352 pp. 8vo, orig. cloth, spine decorated in gilt. Philadelphia: Porter & Coates, 1875. \$250.00

First edition. "In this textbook on statics and dynamics, Nystrom attempts to define mechanical terms and to resolve a perceived conceptual confusion in the area of dynamics. To this end, Nystrom recommends the use of 'machine-shop vocabulary.' In an appendix he argues for a duodecimal system of metrology."—Roberts & Trent, *Bibliotheca Mechanica*, p. 243.

Fine copy. Early bookplate of John Francis O'Rourke. Ex *Bibliotheca Mechanica*.

The Dedication Copy

81. OWEN, Edward. *Observations on the Earths, Rocks, Stones and Minerals, for some Miles about Bristol, and on the Nature of the Hot-Well, and the Virtues of its Water.* Engraved frontis. & two engraved plates. Title printed in red & black. 6 p.l., 250 pp. 8vo, cont. calf (upper cover with several scrapes), double gilt fillet round sides, spine gilt, red morocco lettering piece on spine. London: W. Johnston, 1754. \$2500.00

First edition of this uncommon and detailed work on the geology surrounding Bristol. This is the dedication copy, with the printed dedication from Owen to

the Earl of Macclesfield dated 12 March 1754.

The fourth chapter — pages 119-162 — is devoted to a description of the famous “Hot-Well” waters which emanate from various springs surrounding Bristol. These mineral waters, very popular in London, were used to treat diabetes, obstructions of urinary passages, and lung diseases.

Very good copy.

82. PASQUIER, René. *Essai sur le Méloena*. 17 pp. Large 4to, attractive modern marbled wrappers. Paris: Didot jeune, 1815. \$225.00

First edition of this rare work on melena or melaena which refers to the black, “tarry” feces that are associated with gastrointestinal hemorrhage. The black color is caused by oxidation of the iron in hemoglobin during its passage through the ileum and colon. Pasquier describes causes and methods of diagnosis and treatment.

Pasquier (1792-1872), after taking his medical degree at Paris, returned to Lyon where he practiced as a psychiatrist for many years. He was director of the Hospice de l'Antiquaille in Lyon and wrote several books on psychiatric matters.

Fine copy. Not in OCLC.

• Hirsch, IV, p. 519.

Monumental Effigies

83. PASSERI, Giovanni Battista. *De Marmoreo Sepulchrali Cinerario Perusiae effosso Arcanis Ethnicorum Sculpturis insignito in quibus Symbolice Sacra quaedam revelatae Religionis Mysteria adumbrantur et Clementi XIV. P.O.M ac sapientissimo ad incrementum Musei Pontificii Vaticani ab Emerico Bolognino*. Engraved frontis., large engraved vignette on title, two engraved head- & tailpieces, & one engraved initial. Title printed in red & black. 32 pp. Large 4to, attractive calf-backed marbled boards (some foxing), spine gilt, red morocco lettering piece on spine. Rome: Praesidium Facultate, 1773. \$750.00

First edition. Passeri (1694-1780), the well-known Italian antiquary, fellow of the London Royal Society, and vicar general of Pesaro, devoted much of his efforts to the archeological studies.

This is a rare work on sepulchral monuments of the Christian era with figures carved in relief, all coming from Pesaro. The examples described and discussed are now in the Vatican.

Apart from the foxing, which is sometimes rather pronounced, a fine copy.

• Cicognara 2618. *N.B.G.*, Vol. 39, cols. 307-08.

The Sexual Atomic Theory

84. **PETTY, William.** *The Discourse made before the Royal Society the 26. of November 1674. concerning the Use of Duplicate Proportion in sundry Important Particulars: Together with a New Hypothesis of Springing or Elastique Motions.* 16 p.l., 135 pp. 12mo, a rather odd binding of cont. vellum over boards (some abrading, title a little soiled). London: J. Martyn, 1674. \$6000.00

First edition. "Petty's work, actually two works in one, consists of the first part on 'the use of duplicate proportion' and, as an appendix, a 'hypothesis of springing or elastic motion.' The first is concerned with the quadratic relationship which was proposed by Galileo to define the flexure of a beam such that flexural resistance is proportional to the width of the section, to the square of its depth and inversely to its length. Without acknowledging Galileo's *Discorsi*, although it was known to him and the Royal Society either in the Italian or through Salusbury's translation, Petty provides a verbal description of how a beam's proportions affect its strength. He then went on to provide an example problem of how to determine the size of joists necessary to support a floor of specific size and load per square foot . . .

"Petty also provides a discussion of models and modeling theory and its application to the size of ships and their sails and the distance which sound carries and light may be seen. Again it utilizes quadratic relationships and owes its allegiance to Galileo, who discussed model theory in the first day of the *Discorsi* . . .

"Having begun with very practical and pragmatic problems, Petty slides into metaphysics in his second topic, the nature of elastic bodies. Noteworthy as the first English hypothesis regarding elasticity and the nature of elastic bodies, in it he proposes that matter was composed of corpuscles which were then made up of atoms. The atoms were held to have both magnetic properties and sexual characteristics. His theory was attacked on the grounds of being atheistic and led one critic to say that God created heaven and earth but no atoms. Purver, M. *The Royal Society: Concept and Creation* (Cambridge: MIT Press, 1967), pp. 157-158."—Roberts & Trent, *Bibliotheca Mechanica*, pp. 250-51.

Nice copy. Long clean tear to C2 neatly repaired. Ex Bibliotheca Mechanica.

• D.S.B., X, pp. 564-67. Wing P-1919.

85. **(PINELLI, Maffeo).** *Bibliotheca Maphaei Pinellii . . . magno iam studio collecta*, a Jacobo Morellio . . . descripta. Engraved frontis. port., one folding facsimile, & 5 engraved plates. Six vols. 8vo, cont. boards (some rubbing & wear, occasional & mostly marginal dampstaining), uncut.

Venice: L. Basilius, 1787. \$3500.00

One of the most important Italian private library catalogues. Vols. 1-3 consist of the classical and oriental books (7953 titles) and Vols. 4 and 5 describe the Italian literature, MSS., incunabula, French, English, and Spanish books, books on vellum, medals, etc. (4610 titles and items). The final volume comprises the very useful indexes. Morelli, the compiler, was librarian of the Marciana.

"This catalogue is one of the best ever executed, not only from the value and number of the curious works described in it, but also for the valuable bibliographical notices of Morelli. The Pinelli collection of books long held a distinguished rank among the libraries of Europe: it was upwards of 200 years forming by the family, and comprehended an unparalleled collection of Greek, Roman, and Italian authors, from the origin of printing; with many of the earliest editions printed on vellum, and finely illuminated; a considerable number of curious Greek and Latin MSS. (biblical, legal, and classical), from the 11th to the 16th centuries . . ."—Horne, p. 721.

The whole collection was bought by the English bookseller James Edwards for £6000 and was sold at auction in London in 1789 and 1790.

Good uncut set. Russian library stamp on title dated 1878.

• Brunet, III, 1899—"Catalogue curieux et fort recherché." De Ricci, p. 89. Peignot, p. 118—"Ce catalogue est un des meilleurs qui existent, tant par la valeur et le nombre des ouvrages curieux qui le composent, que par la manière dont il est rédigé, et par les notes savantes dont l'a enrichi le célèbre M. Morelli. Maphée Pinelli, directeur de l'imprimerie ducale à Venise, avoit l'une des plus belles bibliothèques de l'Europe." Pollard & Ehrman, pp. 204 & 265. Taylor, pp. 97-98.

86. PLANAT, Paul. *Pratique de la Mécanique appliquée à la Résistance des Matériaux*, 57 plates. Title printed in red & black. 2 p.l., iv, 935 pp. Thick large 8vo, modern morocco-backed marbled boards. Paris: Aux Bureaux de la Construction Moderne, [1887]. \$500.00

First edition of this rare work on applied mechanics and the strength of materials. "The first chapter provides the fundamental principles of the subject, the classification of deformations and of forces, the relationship between exterior force and interior forces or deformations, and rupture phenomena. The second chapter gives data derived from experiments on metal and wood, stones, chalk, cement, and mortar. The third [chapter] treats the inertial moment, giving theoretical formulae followed by a series of graphic tables . . .

"The fourth chapter treats a member poised on two supports with theoretical formulae and graphic representations, as well as compound girders. The fifth chapter treats the support and fitting of overhanging structures, and the sixth with pieces incorporating trusses, while the seventh deals with girders carried into several trusses (for train stations, greenhouses, conservatories, etc.). The eighth chapter concerns columns, pillars, and posts, again giving theoretical

formulae, experimental data, and graphic representations for supports of various forms. Chapters nine and ten are concerned with girders, first with practical applications in single and multiple trusses, then with compound girders, as well as a short section on riveting . . .

“Chapters eleven through thirteen deal with the framework of beams supporting a roof: first, of wood, then of iron, then those in the form of arches. Chapters fourteen and fifteen deal with pressures on the soil and the construction of foundations and walls, and with the construction of vaults.”—Roberts & Trent, *Bibliotheca Mechanica*, p. 252-53.

Very good copy. Ex Bibliotheca Mechanica.

87. POINCARÉ, Henri. *Théorie des Tourbillons. Leçons professées pendant le deuxième semestre 1891-92.* Figures in the text. 2 p.l., 211, [1] pp. 8vo, orig. wrappers (upper wrapper nearly detached), uncut. Paris: Gauthier-Villars, 1893. \$250.00

First edition. One of the great mathematician's masterpieces. Very good copy, preserved in a box. Ex Bibliotheca Mechanica.

☛ *D.S.B.*, XI, pp. 51-61.

88. POINTE, Jacques Pierre. *Des Fistules en général.* 23 pp. Large 4to, attractive modern marbled wrappers (light browning). Paris: Didot jeune, 1812. \$250.00

First edition. Pointe (1791-1860), after taking his medical degree at Paris, returned to his native city of Lyon where he became professor of medicine. He wrote a number of medical books and contributed many articles to the leading French medical journals.

In this work, Pointe describes the kinds of fistula, including those leading either from the surface of the body to a normal cavity or canal, or from one normal cavity or canal to another.

Fine copy.

☛ *Hirsch*, IV, pp. 641-42.

89. POISEUILLE, Jean Léonard Marie. “Recherches sur les Causes du Mouvement du Sang dans les Vaisseaux capillaires . . . ce Mémoire a remporté le Prix de Physiologie expérimentale. Séance publique du 28 Décembre 1835.” Six folding lithographed plates. Pages [105]-175. Large 4to, somewhat later marbled boards (corners a little worn). [Paris:

Imprimerie Royale, 1839]. \$750.00

An extract from the *Comptes rendus* of the Académie des Sciences, Vol. VII. Poiseuille's name is permanently associated with the physiology of the circulation of blood through the arteries. He was the discoverer of "Poiseuille's law," which applied to the flow and outflow of distilled water in capillary tubes of a very small diameter.

This prize-winning essay continues Poiseuille's study of the circulation of blood through arteries.

Very good copy with the signature of Walter Pagel, the great historian of medicine on the first leaf.

☛ *D.S.B.*, XI, pp. 62-64. Roberts & Trent, *Bibliotheca Mechanica*, p. 258.

90. PRINCIPJ IDROMECCANICI. *Saggio Fisico-Matematico da darsi nel Collegio di S. Michele di Volterra.* Sotto la direzione dei PP. delle Scuole Pie dai Signori Giuseppe Ceramelli... Emilio Tonini... Ab. Filippo Forti... Giuliano Serragli... Cosimo Gherardi... Giuseppe Battista Pandolfini... Francesco Castellini... Marche. Antonino della Stufa... Studenti di Fisica — Matematica nel suddetto Collegio. One folding engraved plate (detached). 43 pp. 4to, orig. stiff wrappers. Florence: P. Allegrini, 1803. \$500.00

First edition; no copy in OCLC. "This rare work on hydrostatics was apparently written by a committee of doctoral candidates in physics and mathematics at the college."—Roberts & Trent, *Bibliotheca Mechanica*, p. 267. Volterra is a town in Tuscany near Siena.

Fine copy. Ex *Bibliotheca Mechanica*.

☛ Riccardi, II, 320—"di qualche importanza."

Earth Thrust

91. PRONY, Gaspard Clair François Marie Riche. *Instruction-Pratique sur une Méthode pour déterminer les Dimensions des Murs de revêtement, en se servant de la Formule graphique...* One large folding engraved plate. 16 pp. Large 4to, attractive calf-backed speckled boards (two small wormholes becoming one in extreme lower outer corner, not touching text), spine gilt. Paris: Firmin Didot, 1809. \$750.00

Second edition (1st ed.: 1802) and very rare; no copy in OCLC. This book "provides simple and practical instructions in the use of the graphic method, giving as cases a wall designed to retain fluids or water-impregnated soils, and that of a wall occasionally subjected to a flow of water. It also gives formulas for

calculating the dimensions of retaining walls, and for calculating that of walls surmounted by parapets."—Roberts & Trent, *Bibliotheca Mechanica*, p. 269.

The large and handsome plate depicts Prony's graphic methods.

Fine copy. Ex Bibliotheca Mechanica.

*The Natural History Cabinet at the
Bibliothèque Sainte-Geneviève*

92. BIBLIOTHÈQUE SAINTE-GENEVIÈVE, PARIS. *Le Cabinet de la Bibliothèque de Sainte Genevieve...* By Claude Du Molinet. Two finely engraved titles, one finely engraved port. of the author, engraved headpieces, & 45 beautifully engraved plates (5 of which are double-page). 4 p.l., 224 pp., 4 leaves. Folio, cont. mottled panelled calf (single small wormhole in lower margin of first ten leaves), spine decorated in blind, red morocco lettering piece on spine. Paris: A. Dezallier, 1692.

\$6500.00

First edition of this handsome catalogue of the cabinet of coins, medals, gems, and natural history specimens at the Bibliothèque Sainte-Geneviève, compiled by the curator of the museum, Claude Du Molinet (1620-87). The work is well illustrated with a fine series of excellently engraved plates by Franz Ertinger, the most charming of which are the seven double-page plates at the beginning showing the actual interior decoration of the rooms in which the collection was housed. The main room measured about 35 feet long and had an alcove between the bookshelves with a window looking out towards the Luxembourg gardens and the church of Saint Sulpice.

The full-page plates depict the coins (ancient, French, and Papal), gems, cameos, amulets, and talismans in the collection, some of them now conserved at the Bibliothèque Nationale.

The Bibliothèque Sainte-Geneviève, established by Cardinal de Rochefoucauld in 1642, became national property in 1791 and was completely rebuilt in the 19th century. The collection was dispersed and this is therefore the only record of the museum.

Fine copy in an attractive contemporary binding. Margins of title a little soiled. Armorial bookplate of Eden Hall.

• Besterman, *Old Art Books*, p. 33. Hofer, *Baroque Book Illustration*, 61—"an interesting early museum catalogue." Sinkankas, *Gemology*, 1803—(not having seen a copy but noting that the "collection is very rich in abraxas and gnostic gems").

93. SCHRANK, Franz von Paula von & 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. Meyers, 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.

A Notable Scottish Family's MS. Library Catalogue

94. (SHAW-STEWART, Sir Michael Robert, 7th Baronet). Manuscript on paper entitled "Press Catalogue of Books in the Library of Sir Michael R. Shaw Stewart Bart. Ardgowan. MDCCCXLIX." Lithographed title & 80 printed ruled leaves, each written on one side in a neat & legible hand. Folio (380 x 240 mm.), orig. half calf (covers somewhat worn & rubbed, upper hinge cracked but strong), leather lettering label on upper cover, a.e.g. "Ardgowan: 1849." \$3000.00

The Shaw-Stewart family has been one of the most important in Renfrewshire since the 15th century. The lands of Ardgowan, set on the south shores of the Firth of Clyde, were given to John Stewart by his father King Robert III of Scotland in 1403 and the estate has been passed down from father to son or uncle to nephew to the present day. Sir Michael R. Shaw-Stewart (1826-1903), was M.P. for and Lord Lieutenant of Renfrewshire and chairman of the County Council. He inherited an estate of about 26,400 acres. Ardgowan House — "the house of the smith" — was built between 1798 and 1801 for Sir John Shaw Stewart, the 4th Baronet. The house was designed by William Cairncross who was Robert Adam's assistant when he designed and built Culzean Castle. Culzean had just been completed and greatly influenced the original design of Ardgowan House.

Along with a magnificent house, Shaw-Stewart also inherited a fine library, here detailed. It is arranged by shelf-mark with title and author, format, place of

publication, and date. Approximately 2000 titles are listed and, quite interestingly, about 80 percent were printed before 1800 (including a good number of 16th-century books). There are many continental imprints.

Fine condition.

The Body is a Machine

95. STROEM, Christian Michaelsson. *Nova Theoria Motuum Reciprocorum Machinae animalis, ex Partium organicarum structura & proprietatibus, juxta Aeternas Motuum Leges deducta.* One engraved plate. 4 p.l., 84 pp., [4] pp. of publisher's ads. Small 8vo, cont. vellum over boards, later red leather label on spine. Amsterdam: Janssonio-Waesbergios, 1707. \$1350.00

First published edition; this work was originally issued the same year in Harderwijk as the author's dissertation. Ström (1679-1710), studied at Upsala before taking his degree at Leyden where he was one of Boerhaave's best students. He returned to Sweden where he rapidly became a respected and popular physician.

In this work, Ström describes his iatromechanical ideas in which he applies the laws of mechanics and statics to the human body.

Fine copy of a very rare book. Stamps of the London Medical Society and the Wellcome Library on verso of title. Ex Bibliotheca Mechanica.

♣ Hirsch, V, pp. 457-58.

Machines & How to Use Them

96. TAFFE, A. *Application des Principes de Mécanique aux Machines les plus en Usage, mues par l'Eau, la Vapeur, le Vent et les Animaux, et a Diverses Constructions.* Eight folding lithographed plates. 10, [4], 380 pp. 8vo, orig. printed wrappers (some foxing), uncut. Marseille: Typographie de Feissat aîné & Demonchy, 1835. \$650.00

First edition and very rare. "Intended to fill the need for accurate information about mechanics for workers and the general population, this work is divided into three parts: the first is a brief account of mechanical principles following Poncelet and Navier; the second concerns calculations relative to present machines; while the third, intended for workers, gives practical applications based on information in the first two sections."—Roberts & Trent, *Bibliotheca Mechanica*, p. 310.

Taffe (fl. ca. 1835), was an artillery captain. This was a very successful book with later editions in 1837, 1839, 1843, and 1872.

Fine copy in original state, preserved in a calf-backed box. Ex Bibliotheca

Mechanica.

97. **TARTRA, A.E.** *De l'Opération de la Cataracte; Thèse soutenue publiquement, dans l'Amphithéâtre de la Faculté de Médecine de Paris... le vendredi 24 Janvier 1812.* 1 p.l., 86 pp. Large 4to, attractive modern marbled wrappers. Paris: L.P. Dubray, 1812. \$250.00

First edition. An elaborate monograph on the operation of cataracts by Tartra (ca. 1775-ca. 1840), Paris surgeon, written as a thesis in the competition for the chair of operative medicine in the Medical Faculty of Paris.

Fine copy.

☛ Albert, Norton, & Hurtes, *Source Book of Ophthalmology*, 2252. Hirsch, V, p. 520.

Pioneer Work in Bone Generation

98. **TROJA, Michele.** *De Novorum Ossium, in Integris aut Maximis, ob Morbos, Deperditionibus, Regeneratione Experimenta...* Three folding engraved plates & one folding printed table. x, [11]-240 pp. 8vo, cont. vellum over boards (binding a little soiled & stained). Paris: F.A. Didot, 1775. \$1500.00

First edition. Troja (1747-1827), studied medicine at Naples and in 1774 he went to Paris where he began the research on the formation of bone tissue and bone generation which made him famous. Although Réaumur and Trembley had earlier demonstrated the regrowth of limbs in crustacea and polyps, no one before had considered the possibility of regrowth of bones.

"Troja demonstrated that if a foreign body is introduced into the marrow cavity of a long bone, the bony cylinder dies and a new bone is formed all around the necrotic one, the latter being eventually eliminated. Accordingly, Troja suggested that in treating extensive caries of the bone, marrow should be destroyed, so that new bone formation would result."—Leonardo, *Lives of Master Surgeons*, p. 428.

Troja later took up again his work on bone surgery and regeneration. In 1814 he first described the perforating connective-tissue fibers, usually known as "Sharpey's fibers."

Fine crisp copy. Ex Bibliotheca Mechanica.

☛ *D.S.B.*, XIII, pp. 464-65. Hirsch, V, p. 642—"a very important work" (in trans.).

"Important"

99. **TROMMSDORFF, Johann Bartholomaeus.** *Darstellung der Säuren, Alkalien, Erden und Metalle; ihrer Verbindungen zu Salzen und ihrer Wahlverwandschaften in zwölf Tafeln.* 2 p.l., 12 double-page printed tables. Folio, cont. marbled boards. Erfurt: Hennings, 1800. \$1500.00

Second edition. "In the present important work, which is a greatly enlarged version of his *Allgemeine Uebersicht der einfachen and zusammengesetzten Salze* (Gotha, 1789, 4 tables), Trommsdorff (1770-1837) classifies chemical compounds into three distinct types: acids, alkalies, and metals and their salts. He also takes into account single and double elective attractions in tabular form, as well as the new French nomenclature, with references to the researches of contemporary chemists (e.g., Bergman, Berthollet, Kirwan, Klaproth, Richter, Scherer, and Wenzel) . . . Rare."—Neville, II, p. 566.

Trommsdorff (1770-1837), was professor of chemistry and physics at Erfurt. "The great aim of his life was to improve the scientific position of pharmacy, and the value and success of his efforts were universally recognized . . . His library, laboratory and apparatus, all provided by himself, were superior to those of many public institutions."—Ferguson, II, p. 473.

Fine copy.

• Cole 1291. *D.S.B.*, XIII, pp. 465-66. Hein & Schwarz, *Deutsche Apotheker-Biographie*, II, pp. 692-95. Hufbauer, *The Formation of the German Chemical Community (1720-1795)*, pp. 218-220. Partington, III, pp. 587-89—"Trommsdorff was the first German chemist (1789) to separate acids and bases from the class of 'salts'."

Using the Original Woodblocks

100. **VESALIUS, Andreas.** *Icones Anatomicae.* Numerous woodcuts. Large folio, orig. white half-pigskin & boards, morocco label on spine, upper cover lettered in gilt, orig. box. New York & Munich: Printed by the Bremer Presse for the New York Academy of Medicine & the Library of the University of Munich, 1934. \$8500.00

Limited to 615 copies and a mint copy. This book reprints the illustrations of the *Fabrica* and the *Epitome*. It is the finest scientific book by a modern private press, using specially watermarked handmade papers. 227 of the illustrations were printed using the original woodblocks found in the University of Munich. The remainder have been reproduced photographically, except for the block for the title-page of the second edition of the *Fabrica*, which was found in the University of Louvain. The original Latin text, descriptive of the figures, accompanies the illustrations. In 1943, Cushing wrote in the *Bio-Bibliography*: "Time alone can tell what in another four centuries may happen to these historic

woodblocks." They were destroyed by bombing later that year.

☛ Cushing VI.A.-16. *Die Bremer Presse* 39.