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Catalogue 212

Proofs

*Science, Medicine, Natural History,
Bibliography, & British Agriculture*

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Selective Subject Index

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Catalogue 212

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

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

[bound with]:

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

First edition. “The aim of the Dictionary was to cover the parts of chemistry of interest to the manufacturer and the practical chemist. Much of the history of chemistry is omitted as are materials relating to medicine, galvanism, etc.

Theoretical matters are treated only sketchily except to give the general principles upon which manufacturing processes depend. Some hitherto unpublished material communicated by friends is included, e.g. in the articles on smelting of copper and iron, in the making of common salt, sal ammoniac, etc."—Cole 16.

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

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

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

Drinking in Holland

2. **ALKEMADE, Kornelis van & SCHELLING, P. van der.** *Nederlands Displegtigheden, Vertoonende de plegtige gebruiken aan den dis, in het houden van Maaltyden, en het Drinken der gezondheden, onder de oude Batavieren, en Vorsten, Graaven, Edelen en andere ingezetenen der Nederlanden, weleer gebruikelyk, nevens den oorsprongk dezer gewoontens, en der zelver overeenkomst met die van andere Volken.* 18 engraved plates (two serve as engraved titles, two others are on one sheet, & six are folding). 84 p.l. (incl. engraved t.p.), 562 pp.; 2 p.l. (incl. engraved t.p.), 557, [61] pp.; 45 p.l. 612, [52] pp. Three vols. 8vo, cont. fine vellum over boards. Rotterdam: P. Losel, 1732-35. \$4500.00

First edition of this history of festivals and drinking in Holland by Alkemade (1654-1737) and Schelling. Sections are devoted to everyday drinking, ceremonial drinking, drinking songs and the dishes used, with a special focus on the history of the drinking vessels themselves. The illustrations, some of which are signed by F. van Bleyswyck, are drawn in great detail and represent a historical survey of these various vessels, from the simple to the incredibly ornate.

A lovely book and a particularly fine set.

♣ Cagle 1075. Crahan Sale (Sotheby's NYC, Oct. 1984), 233. Fritsch 485. Not in Bitting, Simon, or Vicaire.

3. **[ANDERSON, James].** *Essays Relating to Agriculture and Rural Affairs; in Two Parts...* By a Farmer. Three folding engraved plates. xxxiii, [1], 472 pp. Two parts in one vol. 8vo, cont. calf (head of spine a bit chipped), spine gilt, red morocco lettering piece on spine. Edinburgh: T. Cadell,

1775. \$1500.00

First edition of Anderson's first book on farming; it was an enormously popular work which went through at least seven editions. Anderson (1739–1808), was an agriculturist and political economist. "His most striking characteristic was the combination of an intense interest in the practical working of some machine or object with a strong grasp of theory. He was an early adherent of the principles of political economy, and is held to have been in the subject's mainstream of development. He also carried out various experiments and was noted for his use of the newly designed two-horse plough at Monkshill. His long-term reputation rests on a large body of publications; pamphlets, newspapers, and articles in other people's works, for which he is said to have had at least fourteen aliases: Agricola, Timoleon, Germanicus, Cimon, Scoto-Britannicus, E., Aberdeen, Henry Plain, Impartial, A Scot, Senex, Timothy Hairbrain, Alcibiades, and Monsoon."—ODNB.

Fine copy with the armorial bookplate of George Paterson of Castle Huntly.

☛ Fussell, II, pp. 104-07.

A Great Bibliographer's Library

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

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

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

☛ Blogie, II, cols. 113 & 114.

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

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

A fine large and thick paper copy, priced throughout in a contemporary hand with buyers' names. "Also in 1827 was dispersed the even more valuable library

of John Dent (29 March and 25 April), containing numerous volumes of the greatest beauty, several remarkable illuminated manuscripts, the second volume of the first Homer on vellum (afterwards in the Phillipps collection), the 1462 Bible, and a number of other books printed on vellum, such as the 1469 Livy from the Canonici, Edwards and Sykes collections (now in the Grenville library).”—De Ricci, p. 99.

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

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

Ruled in Red With Prices & Buyers' Names

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

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

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

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

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

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

7. **(AUCTION CATALOGUE: MARCHE, Georg August).** *Catalogus Bibliothecae B. Georgii Augusti Marchii Juris utriusque Doctoris et Senatoris Lipsiensis una cum Appendice aliorum Bonae Notae Librorum ex Omni Eruditionis Genere de Quibus Auctio Publica a die XV. Mart. 1784 in Collegio Rubro instituenda.* 1 p.l., 246 pp.; 272 pp. Two parts in one vol. 8vo, cont. boards (some wear to binding). Leipzig: Loeper, [1784].
\$2250.00

Very rare; OCLC locates no copy in the U.S. Marche was a lawyer and city senator at Leipzig. The first part of this catalogue — 3593 lots — describes his large library, strong in law, philosophy, and history. There are many 17th-century books. The second part of the catalogue, which contains another 5228 lots, lists books from other consignors.

Very good copy.

• Loh, IV, p. 48.

First Issue; The Sunderland — Sparrow Copy

8. **(AUCTION CATALOGUE: [PÂRIS D'ILLINS, Antoine Marie]).** *Bibliotheca Parisiana. A Catalogue of a Collection of Books, formed by a Gentleman in France...* They will be sold by Auction in London, on Monday the 26th of March, 1791, and the Five Days following... viii, 164 pp. 8vo, cont. speckled calf, rebacked with the orig. red & green morocco lettering pieces on spine. [London: for J. Edwards, 1791]. \$1450.00

The English edition, first 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.

Thanks to the recent researches of Milton McC. Gatch ("The Bibliotheca Parisina" in *The Library*, Seventh Series, Vol. 12, Number 2 (June 2011), pp. 90-118), we finally know the identity of the consignor: Antoine Marie Pâris d'Illins (1746-1809), a military man who was forced to emigrate in 1792 because of conflicts with the Revolution. Rehabilitated by Napoleon, Pâris d'Illins died as a general of the infantry during the Spanish campaigns at Cocana in 1809. See the entire article to learn more about the collector, his library, Edwards's additions, etc.

We 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).
Bookplate of the Duke of Sunderland and the booklabel of John Sparrow.

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

9. BAADER, Joseph von. *Vollständige Theorie der Saug- und Hebepumpen, und Grundsätze zu ihrer vortheilhaftesten Anordnung, vorzüglich in Rücksicht auf Bergbau und Salinenwesen, nebst einer Beschreibung der in den englischen Bergwerken gebräuchlichen hohen Kunstsätze, und einigen Vorschlägen zur Verbesserung der deutschen Wasserkünste.* Six fine folding engraved plates. lvi, 207, [1] pp., one leaf with colophon. Large 4to, fine cont. sheep, flat spine prettily gilt, green morocco lettering piece on spine. Bayreuth: Heirs of J.A. Lübeck, 1797. \$3500.00

First edition and scarce. Baader (1763-1835), a famous mining expert and Chief of the Bavarian Mining Council, resided in England and Scotland from 1786 to 1794, where he studied the most recent technological developments, both in mining and metallurgy. While in Edinburgh, he designed a new blasting machine for iron mines which had considerable success and became known as the *Baadersches Geblaese*. His greatest contribution to science was, however, his devotion, through propaganda and the power of his position, to the building of railways in Bavaria.

The present work, written while Baader was director of mining and machinery in Bavaria, is concerned with various kinds of pumps used in mines, to flood brine pools, and to transport brine solutions. These same pumps were used for more than a century to irrigate the famous gardens at the palace of Nymphenburg in Munich.

The finely engraved plates depict various parts of the pumps.

Fine copy in a very pretty binding from the library of the dukes of Bavaria. With an A.L.s by Baader, dated 24th November 1797, presenting this copy to the then-current Duke.

• A.D.B., I, pp. 725-26. Poggendorff, I, 80-81.

10. BAADER, Joseph von. *Neue Vorschläge und Erfindungen zur Verbesserung der Wasserkünste bey dem Bergbau und Salinenwesen.* 16 fine folding engraved plates (six with light & mostly marginal dampstaining). xii, 98 pp. Large 4to, fine cont. red sheep, sides decorated with a gilt fillet, flat spine prettily gilt, green morocco lettering piece on spine, a.e.g. Bayreuth: Heirs of J.A. Lübeck, 1800. \$3250.00

First edition and quite rare. The present work, a sequel to his *Vollständige Theorie der Saug- und Hebepumpen* (1797), was written while Baader was director

of mining and machinery in Bavaria. It is concerned with various kinds of pumps used in mines, to flood brine pools, and to transport brine solutions. These same pumps were used for more than a century to irrigate the famous gardens at the palace of Nymphenburg in München.

The finely engraved plates depict various parts of the pumps, mostly in cross-section views.

Fine copy in a very pretty binding from the library of the dukes of Bavaria.

☛ *A.D.B.*, I, pp. 725-26. Poggendorff, I, 80-81.

Linking the North & Black Seas

11. BAADER, Joseph von. *Ueber die Verbindung der Donau mit dem Mayn und Rhein und die zweckmässigste Ausführung derselben.* 56 pp. Small 8vo, cont. marbled semi-stiff wrappers. Sulzbach: J.E. v. Seidel, 1822.

\$1500.00

First edition and very rare. Baader was also interested in other modes of transport; this is his proposal to link the North Sea and the Black Sea by connecting the rivers Main and Danube. Baader's dream — the Ludwig canal linking the two rivers and named after King Ludwig I of Bavaria — was eventually realized, being constructed between 1836 and 1846. Through insufficient water-supply in the peak section, it remained virtually impassable until much later when further works were carried out.

Fine copy with the attractively lithographed bookplate of the "Herzogl. Kabinets-Kanzley Bibliothek." WorldCat locates only the NYPL copy.

☛ *A.D.B.*, I, pp. 725-26. Poggendorff, I, 80-81—(not knowing of this work). Singer et al., eds., *A History of Technology*, Vol. IV, pp. 554-55.

12. BAADER, Joseph von. *Ueber die Vortheile einer verbesserten Bauart von Eisenbahnen und Wagen, welche an einer auf allerhöchsten Befehl zu Nymphenburg ausgeführten Vorrichtung durch wiederholte öffentliche Versuche sich bewährt haben.* 72 pp. Large 4to, cont. pale blue boards. Munich: E.A. Fleischmann, [1826].

\$2250.00

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

Fine copy.

☛ *A.D.B.*, I, pp. 725-26. Poggendorff, I, 80-81—(erroneously giving the date of

this work as 1825).

“Virtually Unobtainable”

13. (BARBERINI, Francesco, Cardinal). *Index Bibliothecae...* Engraved vignette on title & another — emblematic — vignette on final leaf of Vol. II. 2 p.l., 646 pp. (lacking one further leaf with the Barberini arms, otherwise blank); 2 p.l., 596 pp. Two vols. Folio, cont. vellum over boards (foot of spine of Vol. I a bit worn, spine of Vol. II a little defective, some mostly marginal & inoffensive worming). Rome: Typis Barberinis, Excudebat M. Hercules, 1681. \$16,500.00

The rare catalogue of the vast library created by the enormously rich Cardinal Francesco Barberini (1597-1679), a great patron of the arts due to his status as one of the chief beneficiaries of the exorbitant nepotism practiced by his uncle Pope Urban VIII. The cardinal built a rich library at the Palazzo Barberini which included ancient Greek and Roman manuscripts, and he supported numerous European intellectuals, scholars, scientists and artists including Jean Morin, Gabriel Naudé, Gerhard Johann Vossius, Heinsius and John Milton.

“The Barberini library, which was catalogued in 1681 (the catalogue of manuscripts that was to form the third volume was never published), remained in private hands until 1902, when it passed into the Vatican library. Such acquisitions of private libraries by institutions are especially characteristic of Italian library history. The Barberini catalogue has enjoyed a special importance because it is a rather early and very large book and appears to have been widely circulated.”—Taylor, *Book Catalogues*, p. 23. Taylor describes this catalogue as “virtually unobtainable” (p. 228) and considers it an important work in bibliographical history (p. 129). The catalogue is alphabetically arranged and contains more than 60,000 books.

Barberini’s catalogue was for many years one of the principal bibliographical reference works at the disposal of scholars, second in rank only to Thomas Hyde’s third catalogue of the Bodleian Library (1674) with which it shared the then revolutionary alphabetical arrangement under the authors’ surnames, but was richer in books printed in Italy.

I have had this catalogue only once before; it is truly rare on the market.

Occasional browning but a nice set of a very rare catalogue. Lacks the final leaf of Vol. I which contains a vignette but is otherwise blank.

• Ottino & Fumagalli 3701. Peignot, p. 79. Pollard & Ehrman, pp. 262 & 263.

14. BADISCHE ANILIN- & SODA-FABRIK. *Los Colores de Anilina de la Badische Anilin- & Soda-Fabrik, Ludwigshafen s/Rhin y su aplicación sobre lana, algodón, seda y otras fibras textiles.* Two plates depicting the

company's chemical factories in Ludwigshafen, Lyon, & Moscow and 621 samples of fabrics & threads on twenty plates. 1 p.l., ix, 561, xii pp. Thick 8vo, orig. cloth, sides & spine lettered in gilt. Ludwigshafen am Rhein: 1902. \$1650.00

A very attractive sample book prepared for the Spanish-speaking market. The text describes each dye and the numerous samples demonstrate the dyes' effectiveness. BASF has been one of the world's largest manufacturers of synthetic dyestuffs and other chemicals for the textile industry.

Fine copy with the samples in brilliant and fresh condition.

15. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO. *Die Halbseidenfärberei unter Anwendung der Farbstoffe...* Frontis. depicting the Bayer dyeing factory at Elberfeld & 37 plates with 384 mounted cloth samples. vi, 127, [1] pp. 8vo, cont. half-cloth & boards. Elberfeld: F. Bayer, 1903. \$1650.00

A very handsome sample book with 384 fine samples of silk swatches, all in the most brilliant colors and designs. The introduction of benzidine colors in the 1880s caused a revolution in the manufacture of textiles.

A fine copy, complete with an unusually large number of samples. The plates are included in the pagination.

A First?

16. BAYLDON, J.S. *The Art of Valuing Rents and Tillages; wherein is explained the Manner of Valuing the Tenant's Right on entering and quitting Farms, in Yorkshire and the adjoining Counties. The Whole is adapted for the Use of Landlords, Land Agents, Appraisers, Farmers, and Tenants.* Engraved frontis. (partially handcolored). 3 p.l., 187, [1] pp. 8vo, orig. grey paper-backed blue boards (corners a little rounded, minor foxing), orig. printed paper label on spine, uncut. London: Longman et al., 1823. \$950.00

First edition and scarce. This the first of two popular works on land valuation by Bayldon, a professional land agent and appraiser; the present text reached a sixth edition by 1844. The engraved frontispiece depicts an idealized plan of a farm of 242 acres which cultivated wheat, clover, and grass.

We learn from page 2: "When it is considered that works have been written on almost every subject connected with Agriculture... it appears rather singular that the various customs of valuing Rents and Tillages have scarcely been noticed in any of them. It is humbly presumed that this is the first work published expressly upon valuing Rents and Tillages."

A very good copy. Signature of "Jenkin Jones Glyn Castle 1820" on free front

endpaper.

• Fussell, III, p. 136.

Much Revised by Bergman

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

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

Very good set. Bookplates of Thomas Hun.

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

A Fine Set

18. BLACK, Joseph. *Lectures on the Elements of Chemistry, delivered in the University of Edinburgh...* Now published from his Manuscripts by John Robison. Engraved frontis. port. of Black & 3 engraved plates. lxvi [i.e., lxxvi], 556 pp.; 1 p.l., 762, [4] pp. Two vols. Large 4to, marbled boards (minor foxing at beginning & end of each vol.), attractive modern red calf spines & corners, flat spines gilt. Edinburgh: Mundell & Son, 1803. \$5000.00

First edition and a very handsome set. These two monumental volumes are the only substantial account of the work of the founder of modern quantitative chemistry and discoverer of latent and specific heats. Black (1728-99), began to lecture upon his appointment as professor of medicine and chemistry at the University of Edinburgh in 1766. “His career thenceforward was exclusively that of a teacher...His success was conspicuous. During above thirty years he inculcated the elements of chemistry upon enthusiastic and continually growing audiences...His lectures thus had a powerful effect in popularizing chemistry.”—*D.N.B.*, II, pp. 572-73.

Black’s lectures were not printed during his lifetime; they were circulated only

in manuscript amongst his students. The present edition was prepared by his pupil, friend, and colleague, John Robison, who has added a long introduction and enriched each volume with notes.

A fine and large set. This copy lacks, as is often the case, the 19-page index (but a photocopy is laid-in). The 4-page "Explanation of the Plates," which is very often missing, is present.

• Cole 158. Duveen, pp. 81-82—(lacking the Index). Partington, III, pp. 130-43.

19. BOARD OF AGRICULTURE & INTERNAL IMPROVEMENT, United Kingdom. A fine collection containing a large majority of the draft reports issued by the newly created Board of Agriculture, describing the state of agriculture throughout the British realm. 39 titles in three vols. Large 4to, cont. blue boards, expertly rebacked in white paper with printed labels. V.p.: 1793-94. \$7500.00

A fine collection in excellent condition of a large majority of the draft reports issued by the Board of Agriculture, which had just been established, the brainchild of Sir John Sinclair. The purpose of the Board was to publicize agricultural developments, advise the government, spread information, conduct experiments, and promote legislation. The first step of the Board was to commission this series of surveys for every county in the land regarding its state of agriculture and methods of farming.

Many of the contributors were prominent agriculturalists or political economists including Arthur Young, William Marshall, John Naismith, Nathaniel Kent, David Ure, James Donaldson, George Robertson, John Boys, John Holt, John Bailey, George Culley, Richard Davis, and Thomas Davis.

VOL. I:

1. FULLARTON, William, Col. *General View of the Agriculture of the County of Ayr, with Observations on the Means of its Improvement.* One folding printed table. 94 pp. Edinburgh: J. Paterson, 1793.

2. NAISMITH, John. *General View of the Agriculture of the County of Clydesdale. With Observations on the Means of its Improvement.* 82 pp. Brentford: P. Norbury, 1794.

3. URE, David. *General View of the Agriculture in the County of Dumbarton; with Observations on the Means of its Improvement.* Woodcut illus. in the text. 106 pp. London: W. Smith, 1794.

4. DONALDSON, James. *General View of the Agriculture of the County of Elgin or Moray, lying between The Spey and The Findhorn; including Part of Strathspey, in the County of Inverness. With Observations on the Means of Its Improvement.* 43 pp. London: C. Clarke, 1794.

5. DONALDSON, James. *General View of the Agriculture of the Carse of Gowrie, in the County of Perth. With Observations on the Means of Its Improvement.* One double-page printed table. 37, [1] pp. London: C. Macrae, 1794.

6. **MARSHALL, William.** *General View of the Agriculture of the Central Highlands of Scotland: With Observations on the Means of their Improvement.* 68 pp. London: T. Wright, 1794.

7. **ROBSON, James.** *General View of the Agriculture in the County of Argyll, and Western Part of Inverness-Shire. With Observations on the Means of Its Improvement.* 58 pp. London: W. Smith, 1794

8. **ROBERTSON, George.** *General View of the Agriculture of the County of Mid Lothian with Observations on the Means of Its Improvement.* One finely handcolored engraved map. 90 pp. Edinburgh: J. Anderson, 1793.

9. **TROTTER, James.** *General View of the Agriculture of the County of West Lothian, with Observations on the Means of Its Improvement.* 5, [2], 6-38 pp. Edinburgh: A. Neill, 1794.

10. **DONALDSON, James.** *General View of the Agriculture of the County of Nairn, the Eastern Coast of Inverness-Shire, and the Parish of Dyke, and part of Edenkeillie, in the County of Elgin, and Forres.* 32 pp. London: B. Millan, 1794.

11. **ROBERTSON, James.** *General View of the Agriculture in the Southern Districts of the County of Perth. With Observations on the Means of their Improvement.* 140 pp. London: J. Nichols, 1794.

12. **MARTIN, Alexander.** *General View of the Agriculture of the County of Renfrew, with Observations on the Means of Its Improvement.* One engraved plate. 22 pp. London: C. Clarke, 1794.

13. **CLARK, John.** *General View of the Agriculture of the County of Brecknock, with Observations on the Means of Its Improvement.* 55 pp. London: J. Smeeton, 1794.

14. **LLOYD, Thomas & TURNOR, —, Rev. Mr.** *General View of the Agriculture of the County of Cardigan, with Observations on the Means of Its Improvement.* 37 pp. London: W. Smith, 1794.

15. **HASSALL, Charles.** *General View of the Agriculture of the County of Carmarthen, with Observations on the Means of Its Improvement.* 52 pp. London: W. Smith, 1794.

VOL. II:

16. **PEARCE, William.** *General View of the Agriculture in Berkshire, with Observations on the Means of Its Improvement.* Three engraved & finely handcolored plates. 74 pp. London: W. Bulmer, 1794.

17. **JAMES, William & MALCOLM, Jacob.** *General View of the Agriculture of the County of Buckingham, with Observations on the Means of Its Improvement.* 63 pp. London: C. Macrae, 1794.

18. **WEDGE, Thomas.** *General View of the Agriculture of the County Palatine of Chester. With Observations on the Means of Its Improvement.* 88 pp. London: C. Macrae, 1794.

19. **BAILEY, John & CULLEY, George.** *General View of the Agriculture of the County of Cumberland. With Observations on the Means of Improvement.* 51 pp. London: C. Macrae, 1794.

20. **CLARIDGE, John.** *General View of the Agriculture, in the County of Dorset, with Observations on the Means of Its Improvement.* 1 p.l., 49 pp. London: W. Smith,

1793.

21. GRIGGS, —, Messrs, of Kelvedon. *General View of the Agriculture of the County of Essex, with Observations on the Means of Its Improvement.* 26 pp. London: C. Clarke, 1794. This does not seem to be in ESTC.

22. TURNER, George. *General View of the Agriculture of the County of Gloucester, with Observations on the Means of Its Improvement.* 32 pp. London: J. Smeeton, 1794.

23. BOYS, John. *General View of the Agriculture of the County of Kent, with Observations on the Means of Its Improvement.* One folding printed table & several illus. in the text. 107 pp. Brentford: P. Norbury, 1794.

24. HOLT, John. *General View of the Agriculture of the County of Lancaster. With Observations on the Means of Its Improvement.* One folding engraved handcolored map & one engraved plate. London: J. Nichols, 1794.

25. BAIRD, Thomas. *General View of the Agriculture of the County of Middlesex. With Observations on the Means of Its Improvement.* 31 pp. London: J. Nichols, 1793.

26. FOOT, Peter. *General View of the Agriculture of the County of Middlesex, with Observations on the Means of their Improvement.* One engraved & finely handcolored map. 92 pp. London: J. Nichols, 1794.

27. KENT, Nathaniel. *General View of the Agriculture of the County of Norfolk. With Observations on the Means of Improvement.* Two engraved & finely handcolored plates. 2 p.l., 56 pp. London: C. Macrae, 1794.

VOL. III:

28. BAILEY, John & CULLEY, George. *General View of the Agriculture of the County of Cumberland. With Observations on the Means of Its Improvement.* Several woodcut illus. in the text. 63 pp. (first two leaves partially dampstained). London: C. Macrae, 1794. This copy lacks the Addenda (pp. 65-71).

29. LOWE, Robert. *General View of the Agriculture of the County of Nottingham. With Observations on the Means of Its Improvement.* One engraved & finely handcolored map. 128 pp. London: C. Macrae, 1794. Lacking leaf of errata at end.

30. DAVIS, Richard. *General View of the Agriculture of the County of Oxford, with Observations on the Means of Its Improvement.* One engraved & finely handcolored map. 39 pp. London: W. Bulmer, 1794.

31. HASSALL, Charles. *General View of the Agriculture of the County of Pembroke, with Observations on the Means of Its Improvement.* 1 p.l., 63 pp. London: J. Smeeton, 1794.

32. CRUTCHLEY, John. *General View of the Agriculture in the County of Rutland, with Observations on the Means of Its Improvement.* 34 pp. London: W. Smith, 1794.

33. YOUNG, Arthur. *General View of the Agriculture of the County of Suffolk, with Observations on the Means of Its Improvement.* One engraved & finely handcolored map. 92 pp. London: C. Macrae, 1794.

34. JAMES, William & MALCOLM, Jacob. *General View of the Agriculture of the County of Surrey, with Observations on the Means of Its Improvement.* Two engraved plates. 95 pp. London: C. Macrae, 1794.

35. YOUNG, Arthur. *General View of the Agriculture of the County of Sussex. With Observations on the Means of Its Improvement.* Three engraved plates of which two

are finely handcolored & a finely handcolored double-page engraved map. 97 pp. London: J. Nichols, 1793.

36. WEDGE, John. *General View of the Agriculture of the County of Warwick, with Observations on the Means of Its Improvement.* Three engraved plates (two folding), all highlighted in color. 60 pp. London: C. Macrae, 1794.

37. PRINGLE, Andrew. *General View of the Agriculture of the County of Westmoreland, with Observations on the Means of Its Improvement.* 3 p.l., 55 pp. Edinburgh: Chapman, 1794.

38. DAVIS, Thomas. *General View of the Agriculture of the County of Wilts. With Observations on the Means of Its Improvement.* One folding engraved map, finely handcolored. 2 p.l., 163 pp. London: 1794.

39. LEATHAM, Isaac. *General View of the Agriculture of the East Riding of Yorkshire, and the Ainsty of the City of York, with Observations on the Means of Its Improvement.* One engraved & finely handcolored map & seven engraved plates. 68 pp. London: W. Bulmer, 1794.

“Of Prime Importance for Plant Biology”

20. BONNET, Charles. *Recherches sur l’Usage des Feuilles dans les Plantes, et sur quelques autres Sujets relatifs a l’Histoire de la Vegetation.* Engraved vignette on title & 31 folding engraved plates. Title in red & black. vii, [1], 343, [1] pp. Large 4to, cont. calf (corners a little bruised with one having a bit of wear), spine richly gilt, red morocco lettering piece on spine. Göttingen & Leyden: E. Luzac Sons, 1754. \$1500.00

First edition of this important book. “In the *Recherches*, Bonnet grouped five memoirs, all of which were of prime importance for plant biology: He precisely described the characteristics of the nutrition of leaves and of their transpiratory phenomena. Although he did not know the kinds of gases (oxygen and carbon dioxide) produced and absorbed by green leaves exposed to light, Bonnet made very careful observations on their production. For his masterly experimentation, Bonnet should be considered one of the first naturalists to investigate experimentally the question of photosynthesis. He studied the movement of leaves and discovered the epinastic phenomena; he observed the position of leaves on the axis of the stalk and collected a great many anatomic facts; he returned to experiments on etiolation, on the movement of the sap, and on teratology.”—*D.S.B.*, II, p. 286.

The handsome plates were engraved by Jacob vander Schley and Wandelaer, who executed the famous anatomical plates of Albinus.

A fine and crisp copy.

• Pritzel 981.

"Essential Reading"

21. (BOOKBINDING). *Broxbourne Library. Styles and Designs of Bookbinding from the Twelfth to the Twentieth Century.* Selected and Described by Howard M. Nixon. With an Introduction by Albert Ehrman. Many fine plates (several in color). Folio, orig. vellum-backed cloth (corners very slightly worn), spine gilt, blue morocco lettering piece on spine (rubbed), t.e.g. London: Maggs Brothers, 1956. \$3000.00

Limited to 300 copies, printed at the Cambridge University Press. This is one of the best surveys of the history of bookbinding, ranging from a 12th century Romanesque binding to work by Roger Powell.

Nice copy.

♣ Breslauer, *The Uses of Bookbinding Literature*, p. 30—Nixon's "*Broxbourne Library* is essential reading for any student of bindings."

"Unequaled"

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

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

A fine set.

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

"A Remarkable Catalogue"

23. **(BOOKBINDING).** *Shrewsbury School Library Bindings. Catalogue Raisonné.* By J. Basil Oldham. Colored frontis. & 62 fine plates. Folio, orig. cloth (covers a little spotted), spine gilt. Shrewsbury: Printed for the Library of the Shrewsbury School at the University Press, Oxford, 1943.
\$1250.00

Limited to 200 numbered copies. A nice copy of this important and handsome book. The bindings are largely English, though there are a few notable French and Italian examples.

Scarce.

• Breslauer, *The Uses of Bookbinding Literature*, p. 24—"a remarkable catalogue."

24. **BRADLEY, Richard.** *A Complete Body of Husbandry; collected from the Practice and Experience of the most considerable Farmers in Britain. Particularly setting forth the various Ways of Improving Land, by Hollow Ditching, Dreining, Double Plowing, Grajing, Enclosing, Watering and Manureing. With Particular Directions for the Fertilising of Broom-Ground, Heath-Ground, Furze, Bushey, and Chilturn-Ground: Also the Method of Improvement, by affortting proper Plants to Lands, and of shifting Crops. To which is added Several Particulars relating to the Preservation of the Game; and stated Accounts of the Expence and Profits of Arable, Pasture, Meadow and Wood Lands.* Four folding engraved plates. Title printed in red & black. 2 p.l., xi, 372 pp., 2 leaves of ads. 8vo, cont. panelled calf (minor rubbing). London: J. Woodman & D. Lyon, 1727.
\$1850.00

First edition and a lovely copy. Bradley (1688-1732), first professor of botany at Cambridge, was one of the earliest British writers to treat agriculture as a science. His writings were prolific, including about twenty volumes dealing with agriculture. This book is one of his most important.

"Cost of production was beginning to interest farmers more then it had done. For a hundred years the business had been steadily becoming more commercial. Instead of being rich because he grew a lot to eat, a man was beginning to find that he was only rich if he grew a lot to sell, and naturally he wanted to sell at a profit. To do that he must know what it cost him to grow the produce...and so writers began to insert costings in their books and Bradley was one of the earliest to do this. *The Complete Body* contains numerous costs, but I suspect they were of common knowledge rather than anything more immediately collected and closely scrutinized, yet they must have been accurate enough by the author's readers as not unreasonable."—Fussell, I, pp. 111-12.

Fine crisp copy.

• *D.S.B.*, II, p. 390.

"Second Only to the Bible"

25. BROWN, Robert. *A Treatise on Agriculture and Rural Affairs*. Six engraved plates (somewhat dampstained). xix, 477 pp.; viii, 459 pp., one leaf of errata (with a long tear neatly repaired). Two vols. 8vo, cont. blue boards (quite decently backed with matching modern paper), uncut. Edinburgh: Oliphant et al., 1811. \$1500.00

First edition. "A more ambitious and prolific writer was Robert Brown of Markle near Haddington, who lived from 1756 to 1831. He was magnificently appreciated in his own day, a situation in which few writers are happy enough to find themselves. He was eulogised by one of his admirers as having produced a work second only to the Bible."—Fussell, *The Old English Farming Books*, III, p. 13. Brown, a farmer who practiced several important experiments on his property, contributed many articles to the Edinburgh *Farmer's Magazine*, of which he was editor for fifteen years. Some of his contributions were translated into French and German.

In the present work, Brown advocated ploughing all uncultivated fields to keep the soil clean and rich.

Very good set. Some browning throughout.

☛ ODNB.

26. BURY, Jean Baptiste Marie & HOYAU, J.G. *Modèles de Serrurerie, choisis parmi ce que Paris offre de plus remarquable sous le Rapport de la Forme, de la Décoration et de la Sureté; accompagnés des Détails qui doivent en faciliter l'exécution et suivis d'un Abrégé de l'Art du Serrurier*. Added engraved title & 56 engraved plates. 2 p.l., 14 pp. Large folio, cont. sheep-backed marbled boards (rebacked with the orig. spine carefully laid-down, minor foxing), vellum tips, flat spine gilt, green morocco lettering piece on spine, uncut. Paris: Bance aîné, 1826.

[issued with]:

HOYAU, J.G. *Art du Serrurier, comprenant les moyens de reconnaître les qualités des Matières premières, les meilleures dispositions des outils propres à l'exécution des différens ouvrages, et la manière de faire les principales Opérations de cet art; la Description des ferrures employées à la Fermeture des baies des bâtimens, et celle des Serrures ordinaires, depuis la plus simple jusqu'à la plus compliquée*. 17 engraved plates. 1 p.l., ii, 36 pp. Large folio (minor foxing), uncut. Paris: Bance aîné, 1826. \$2500.00

First edition of one of the most richly illustrated French works of the period on wrought iron and metal working, issued by Bance, one of the leading French publishers of architecture of the period. In the first volume we find designs for

balconies, fences, balustrades, railings, decorated staircases, shop fronts, doorways, garden decorations, etc., etc. Each plate contains images — between one and many — of highly decorative wrought iron, with details where each is installed in Paris. Many of the most famous public buildings in Paris are listed.

The second volume contains more technical ironwork including hinges and locks.

Fine set. Scarce.

- 27. CARNOT, Lazare Nicolas Marguerite.** *De la Corrélation des Figures de Géométrie.* Four folding engraved plates. viii, 188 pp., 2 leaves of publisher's ads. 8vo, cont. sheep-backed marbled boards (spine a little rubbed), flat spine gilt. Paris: Duprat, 1801. \$1350.00

First edition. Carnot considered this and its sequel *Géométrie de Position* (1803) to be his most significant clarification of the procedures of mathematics. The present work seeks to found a geometry suitable for mechanical and hydrodynamical analysis. "The service that geometry might render to analysis lay mainly through the study of the correlation of figures, and that in turn exhibits a certain congruence with his point of view in the mechanics of machine processes."—*D.S.B.*, III, p. 77.

A nice and tall copy.

The Thermometer Man

- 28. (CELSIUS, Anders).** *Aminnelse-Tal öfver Astronomiae Professoren...Herr Anders Celsius...* By Anders Johan von Höpken. 1 p.l., 34 pp. 8vo, self-bound. Stockholm: Printed by L. Salvius, 1745. \$750.00

First edition of this early biographical account of the great Swedish astronomer Celsius (1701-44), professor of astronomy at the University of Uppsala and the man after whom the "Celsius" thermometer is named. It deals with Celsius's astronomical discoveries, his participation in the expedition to Lapland for the measurement of an arc of the meridian, his observations on the magnetic needle, the scientific instruments he invented and constructed, etc.

Fine copy preserved in a box.

☛ *D.S.B.*, III, pp. 173-74.

- 29. CELSIUS, Olof Olofsson.** *Bibliothecae Upsaliensis Historia.* 2 p.l., 153, [1] pp. 8vo, stitched as issued, uncut. Uppsala: Regiae Academiae Ups. impensis, 1745. \$500.00

First edition of this early history of the University Library at Uppsala, one of

the most important libraries in Scandinavia, founded by Gustavus II in 1620 with the contents of the first Royal Library at Stockholm and the remains of various convent libraries.

The author has furnished descriptions of some of the library's outstanding MSS. including the celebrated *Codex Argenteus*.

Fine copy in original state, preserved in a box.

First Book of Its Kind in America

30. DEANE, Samuel. *The Newengland Farmer; or Georgical Dictionary. Containing a compendious Account of the Ways and Methods in which the Important Art of Husbandry, in all its Various Branches, is, or may be, practised, to the Greatest Advantage, in this Country.* Text in double-columns. viii, 396 (i.e. 397) pp. 8vo, cont. sheep (some wear & rubbing, some dampstaining to first two leaves & occasionally reappearing), black morocco lettering piece on spine. Worcester: Isaiah Thomas, 1797. \$500.00

"The Second Edition, corrected, improved and enlarged." "This encyclopedic work, the first of the kind in this country, contains the acquaintance with the observations and experimental work of other American authors."—*D.A.B.*, III, p. 172.

Deane was vice-president and a trustee of Bowdoin College from 1794 to 1813.

Very good copy. The first edition appeared in 1790; there was a third edition in 1822.

31. DICKSON, Adam. *The Husbandry of the Ancients.* One engraved plate. xxiii, 527 pp.; vi, 494 pp. Two vols. 8vo, cont. calf (a few unimportant binding defects), spines gilt, red morocco lettering pieces on spines. Edinburgh: J. Dickson & W. Creech, 1788. \$1750.00

First edition of the author's most important book; it was published posthumously by one of the author's daughters who has provided here a biography of her father. Dickson (1721-76), wrote a number of practical works on agriculture which described techniques adapted to the soil and climate of Scotland. In the present work, Dickson "collects the agricultural processes of the ancients under their proper heads, and compares them with modern practice, in which his experience renders him a safe guide. The first volume contains accounts of the roman villa, crops, manures, and ploughs; the second treats of the different ancient crops and the times of sowing."—*D.N.B.*, V, pp. 943-44.

Attractive set.

• Fussell, II, p. 57—Dickson "was able to dispose of some obscurities in *Rei Rusticae Scriptores* that had puzzled earlier non-agricultural scholars."

The Fine John Evelyn Copy

32. **DUFRESNOY, Charles Alphonse.** *L'Art de Peinture...* Traduit en François. Enrichy de Remarques, reveu, corrigé, & augmenté. Troisieme Edition. Engraved vignette on title & 32 plates (incl. an engraved title). 6 p.l., 276 pp.; [62] pp. 8vo, cont. speckled calf (joints at head with very short cracks), dark red morocco lettering piece on spine. Paris: N. Langlois, 1684. \$3500.00

Third edition, revised, corrected, and enlarged, of this famous and influential poem on painting in elegant Latin hexameter, translated by Roger de Piles (1635-1709). Dufresnoy (1611-68), a native of Paris, studied painting in Rome and Venice and, upon his return, was engaged to furnish the paintings for the magnificent Château du Raincy. He provided many paintings for the chapel, salons, and pavilion but suffered paralysis after two years and was obliged to retire.

The present work was originally published in Latin as *De Arte Graphica* (1st ed.:1668); the work enjoyed many editions in the 17th, 18th, and early 19th centuries. This edition contains the original Latin text with French translation on facing pages. Written during his Italian sojourn, it embodies Dufresnoy's observations on the art of painting and may be termed a critical treatise on the practice of the art, with general advice to students. The precepts are sound according to the standard of his time though the poetical merits are slender in style (formed chiefly on Lucretius and Horace). Dufresnoy stressed the importance of color as an essential component of artistic beauty.

This edition contains in the second part the valuable engravings — engraved title and 31 plates — by Sebastian Le Clerc (1637-1714), entitled "Figures d'Academie pour apprendre à désiner."

Provenance: John Evelyn, (sale Christie's London, 30 Nov. 1977, lot 495) with his acquisition notes. Modern booklabel of Peter A. Wick.

A fine and crisp copy.

♣ Benezit, Vol. 4, p. 1287. Berlin Kat. 4619.

A Rare Catalogue

33. **(FABRICIUS, Johann).** *Historia Bibliothecae Fabricianae...* Titles in red & black. Six vols. 4to, cont. vellum over boards (a few bindings a little warped). Wolfenbüttel: 1717-18-19-21-22-24. \$3500.00

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

This is "a biobibliographical dictionary. It is a roughly classified list of books owned by Johannes Fabricius, with brief but very valuable accounts of the life and writings of the various authors. Since larger and more recent reference

works often do not mention these authors, who were chiefly minor sixteenth- and seventeenth-century scholars, Fabricius is likely to give helpful information. Fabricius was obviously more interested in giving this information than in making a catalogue of his library, for the *Historia* does not claim to be a complete catalogue."—Taylor, *Book Catalogues*, p. 7—(& see pp. 11, 108, 186, & 204).

Minor browning but a fine set.

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

34. THE FARMER'S LAWYER; or Every Country Gentleman his own Counsellor. Containing All the Laws now in force, that particularly concern the Farmer, the Country Gentleman... Together with All the Acts of Parliament...relative to Cattle, Corn, Hay, Straw, Timber... By a Gentleman of Lincoln's Inn. iv, 331, [1] pp. Small 8vo, cont. sheep (neatly rebacked, a little rubbed). London: printed by W. Strahan & M. Woodfall. And sold by G. Kearsly, F. Newbury [sic], & W. Flexney, 1774. \$950.00

First edition and quite scarce. The text is arranged alphabetically by subject, from "Apples and Pears" and "Badgers, and Drivers of Cattle," to "Wood" and "Wool." An interesting example of a specialized legal handbook.

Very good copy.

• Roscoe A149(1).

35. FOREIGN ESSAYS on Agriculture and Arts. Consisting chiefly of the most curious Discoveries made in the several Provinces of France, Germany, Flanders, Switzerland, &c. And Communicated by the Learned in those Countries for the Improvement of British Husbandry. With Observations by the Translator. vii, [1], 392 pp. 8vo, cont. speckled calf (first two leaves with some worming in lower margins diminishing to two tiny holes), spine gilt, red morocco lettering piece on spine. London: R. Davis et al., 1766. \$950.00

Second edition, first published in 1765. "The book claims to be a translation of the most curious discoveries in France, Germany, Flanders, Switzerland, &c. but really consists of brief accounts of the improvements which must by this date have been familiar in theory if no more — and many of their protagonists probably had no more than theoretic knowledge of them — to all readers of English farming books. The dye crops like madder and weld are discussed, the fodder crops (red clover, sainfoin, lucerne, coleseed), and parsnips make subjects; local methods of haymaking and harvesting, then everywhere done manually, are described, as is the necessity for improving old worn-out pastures by ploughing."—Fussell, II, p. 50.

Fine copy.

- 36. FRANK, Joseph.** *Reise nach Paris, London, und einem grossen Theile des übrigen Englands und Schottlands in Beziehung auf Spitäler, Versorgungshäuser, übrige Armen-Institute, Medizinische Lehranstalten, und Gefängnisse.* One engraved plate & seven folding printed tables. 5 p.l., 343, [1] pp.; 2 p.l., 362 pp. Two vols. 8vo, cont. blue boards (minor foxing), red leather lettering pieces on spines. Vienna: Camesinischen Buchhandlung, 1804-05. \$2500.00

First edition of this uncommon and extremely interesting account by Frank (1771-1842). The son of a prominent physician, he took his medical degree at Pavia and became head of the Department of Pathology at the medical school at Vilnius. While there, he created the basis for the Museum of Pathological Anatomy and also founded the out-patients's clinic (1807), one of the first vaccination institutes in Europe (1808), and the maternity institute (1809). The Vilnius Medical Society, the first of its kind in Lithuania and Poland, was founded on the initiative of Frank. An outstanding teacher, many of his students became well-known professors of medicine.

In 1803 Frank travelled extensively in France, England, and Scotland, studying public and military hospitals, medical schools, prisons, medical societies, and facilities for medical treatment of the poor. The accounts of the numerous hospitals are extremely detailed and offer informative descriptions of the personnel and administrative hierarchy, activities, and problems which each institution faced. There is much statistical information. A few of the hospitals fully described include the Hôtel Dieu, Hôtel de la Charité, Salpêtrière, Guy's Hospital, Bethlem, the hospitals of Oxford, Cambridge, York, Newcastle, Edinburgh, Glasgow, Liverpool, Manchester, etc., etc.

Fine set.

• Hirsch, II, pp. 602-03. Lesky, *The Vienna Medical School of the 19th Century*, pp. 9ff., 20ff., 32, 61, & 84.

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

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

Very nice copy.

• Peignot, p. 51—"Ce catalogue est très curieux."

The College of Physicians Defended

- 38. 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.

- 39. GOTTHARD, Johann Christian, "the younger."** *Authentische Beschreibung von dem merkwürdigen Bau des Tiefen Georg-Stollens am Oberharze.* Finely engraved frontis. 8 p.l. (incl. frontis.), 280 pp. 8vo, cont. calf (a little rubbed), sides decorated in gilt, flat spine nicely gilt, red morocco lettering piece on spine. Wernigerode: C.S. Struck, 1801. \$2500.00

First edition of the first detailed account of the construction of the "Tiefe Georg Stollen," one of the greatest tunnels of the 18th century, built between 1777 and 1799 in the Upper Harz mountains of Germany. The total length of the main tunnel, entirely driven by hand, is 34,529 feet and its various branches aggregate 25,319 feet more (it reached Lautenthal, Clausthal, Wildemann, Zellerfeld, and Gittelde). An enormous enterprise, the mine was constructed to drain mines under these towns and to channel the water to power other mining and metallurgical works.

The Tiefe Georg Stollen was eventually supplemented by the Ernst August Stollen, constructed in 1851-64.

The finely engraved frontispiece depicts the pit entrance.

- 40. GUETTARD, Jean Étienne.** *Histoire de la Découverte faite en France, de Matières semblables à celles dont la Porcelaine de la Chine est composée. Lûe à l'Assemblée publique de l'Académie Royale des Sciences, le Mercredi 13 Novembre 1765.* 23 pp. Large 4to, orig. marbled wrappers bound in later

cloth. Paris: de l'Imprimerie Royale, 1765. \$3500.00

First separate edition, an offprint with new pagination. Guettard (1715-86), who served as curator of Réaumur's natural history collections, was elected to the Académie Royale des Sciences as an *adjoint botaniste*. He is most famous for his discovery of the volcanic nature of the Auvergne and his attempt to construct a geological map of France in collaboration with Lavoisier.

Guettard played an important role in the development of the porcelain industry in France. About 1750 the Duc d'Orléans founded a laboratory, under the direction of Guettard, in order to discover the art of making hard or Chinese porcelain. Having examined samples of the rare materials sent from China, Guettard determined that kaolin and petuntse near Alençon could be used. In the present work, Guettard describes his findings. The discovery of kaolin in France enabled the porcelain industry to finally successfully replicate the hard-paste porcelains of China which had for centuries been considered the finest in the world. This great discovery led to the enormous development of the porcelain industries of both Limoges and Sèvres.

A year later, Brancas (1733-1824), Comte de Lauraguais, scientist and Academician, disputed the claims of Guettard regarding the discovery of kaolin, in his *Observations sur le Mémoire de M. Guettard concernant la Porcelaine*. Brancas claimed that he was the first, in 1758, to make French hard-paste, also using kaolin from Alençon.

Tipped-in is a one-page autograph note by Guettard regarding the transport of kaolin and difficulties with the customs agents.

Fine copy and rare. Bookplate of Frederic Cheron.

☛ D.S.B., V, pp. 577-79. Poggendorff, I, 973-74.

Chlorine as a Disinfectant

41. GUYTON DE MORVEAU, Louis Bernard. *Traité des Moyens de Désinfecter l'Air, de prévenir la contagion, et d'en arrêter les progrès.* xxxii, 304 pp. 8vo, cont. calf (minor foxing), spine gilt, red morocco lettering piece on spine. Paris: Bernard, 1801. \$950.00

First edition "of a classic book in the history of chemistry and hygiene, in which the use of gaseous chlorine to fumigate churches and hospitals to destroy contagion and diseases is first described."—Neville, I, pp. 562-63. Guyton did important pioneering research on the disinfection of air, having been consulted about the problem of putrid emanations from corpses in the crypt of a Dijon church. Believing that decaying flesh gave off both ammonia and the disease-carrying particles, he first used hydrochloric acid fumes as a disinfectant. Guyton subsequently made the investigations described in his *Traité des Moyens de Désinfecter l'Air* (1801), and then used chlorine, which he found to be an effective disinfectant. A simple apparatus for producing chlorine from common

salt is described in his book, which was translated into five languages.

For this service to humanity he was admitted to the Legion of Honor in 1805.

A very good copy, without the ads at end. Signature of Auguste Blandin on verso of title.

♣ Cole 573. *D.S.B.*, V, p. 603.

42. [HARTE, Walter]. *Essays on Husbandry. Essay I. A General Introduction; Shewing That Agriculture is the Basis and Support of all flourishing Communities; —The antient and present State of that useful Art; —Agriculture, Manufactures, Trade, and Commerce justly harmonized; —of the right Cultivation of our Colonies; —Together with the Defects, Omissions, and possible Improvements in English Husbandry. Essay II. An account of some Experiments tending to improve the Culture of Lucerne by Transplantation: Being the first Experiments of the Kind hitherto made and published in England: From whence it appears, that Lucerne is an Article of great Importance in English Husbandry.* Five engraved plates & numerous attractive woodcuts in the text. xviii, [4], 213, 232 pp. 8vo, cont. calf (lower joint with an unimportant crack, one corner a trifle worn), spine gilt, red morocco lettering piece on spine. London: J. Hinton et al., 1764. \$1650.00

First edition. "A far more outstanding piece of work was written by the Rev. Walter Harte but issued without a signature... Lord Chesterfield wrote of him in the highest terms and Johnson admired his companionable talents... Much of the *Essays in Husbandry* is general discussion, and Harte displays a wide acquaintance with the extensive literature of his subject, both English and Foreign, contemporary and classical... Interest in lucerne had been of long standing even in Harte's day, but it has still to become a plant that is generally grown in this country."—Fussell, *More Old English Farming Books*, pp. 45-46.

Harte (1709-74), published his first book of poetry in 1727, at the age of 18; his verses attracted the attention of Pope, and the two subsequently became great friends.

Fine copy. Contemporary armorial bookplate of "W.M. Owen Esqr., Woodhouse."

43. FARBWERKE HOECHST AG. *Colorants dérivés du goudron fabriqués par Farbwerke vorm. Meister Lucius & Brüning Höchst sur Mein. A. Partie générale. Les matières colorantes dérivées du goudron, leurs propriétés et réactions et les méthodes de leur emploi.* Frontis. illus. of the Hoechst dyeing factory & 173 samples of dyed fabrics and leathers. 1 p.l., 182 pp. 8vo,

orig. cloth, upper cover decorated in gilt. Hoechst am Main: 1896.

\$1250.00

Hoechst was founded in 1863 as "Teerfarbenfabrik Meister, Lucius & Co." in Hoechst, near Frankfurt and changed its name some years later to "Teerfarbenfabrik Meister Lucius & Brüning." The samples are all in fine and bright condition.

Fine copy.

44. FARBWERKE HOECHST AG. *Die Teerfarbstoffe der Farbwerke vorm. Meister Lucius & Brüning Hoechst a. M. auf dem Gebiet der Färberei von Baumwolle und anderer vegetabilischen Fasern.* Two frontis. illus. of the Hoechst dyeing factory, illus. of dyeing machinery in the text, & 1544 samples of dyed fabrics and threads. Two vols. in three (Vol. II in two parts). Large thick 8vo, orig. half-cloth & boards. Hoechst am Main: 1906.

\$2250.00

The present work contains more samples of dyed fabrics and threads than any other sample book I have seen. The samples are all in fine and bright condition.

Fine set.

45. [HOME, Henry, Lord Kames]. *The Gentleman Farmer. Being an Attempt to improve Agriculture, By subjecting it to the Test of Rational Principles.* Three engraved plates (a little spotted). xxvi (i.e. xxiv), 409 pp., one leaf of ads. 8vo, cont. sprinkled calf (head of spine a trifle worn, some light browning & spotting), spine gilt, red morocco lettering piece on spine. Edinburgh: W. Creech & T. Cadell, 1776.

\$1500.00

First edition. Home (1696-1782), a leading judge in Scotland and the author of several legal and agricultural works, counted James Boswell (who had an affair with Home's daughter Jean), David Hume, Adam Smith, and Benjamin Franklin as friends.

In 1766, Home's wife inherited the estate Blair Drummond in Perthshire. "This estate was to provide a focus of Kames's quest for agricultural improvement, setting in train a scheme to clear moss land of its unproductive top layers of moss and peat. His enthusiasm for improvement bore fruit with the publication of a 400-page tome, *The Gentleman Farmer*, in 1776. This book offered both an attempt to bring together agricultural change and technique into a coherent theoretical system and some very practical observations based on experience about crops, rotations, buildings, and stock. He observed how much progress there had been, and how very different the condition of agriculture in Scotland was from forty years previously, but called for the creation of a board for

improving agriculture: centralized direction had benefited the linen industry, and would, in his view, do the same for agriculture.”—ODNB.

Nice fresh copy.

♣ Fussell, II, pp. 108-10.

46. HORBLIT, Harrison D. *One Hundred Books Famous in Science. Based on an Exhibition held at the Grolier Club.* Facsimiles. 449 pp. Small folio, orig. cloth, t.e.g., slipcase. New York: The Grolier Club, 1964. \$650.00

Limited to 1000 copies. Fine copy with prospectus.

*A Beautifully Illustrated Work on Canals
and Waterways in Holland*

47. HORST, Tileman van der. *Theatrum Machinarum Universale; of Keurige Verzameling von Verscheide Grote en zeer fraaie Waterwerken, Schutsluizen, Waterkeringen, Ophaal- en Draaibruggen.* Engraved vignette on each title, double-page engraved dedication in Vol. I, & 49 engraved plates (mostly folding or double-page) on 41 sheets **plus** five additional plates (see below). Titles printed in red & black. 3 p.l., double-page engraved dedication, 14 pp.; 3 p.l., 12 pp. Two vols. in one. Large folio, later 18th cent. sheep-backed paste-paper boards (spine a little worn), uncut. Amsterdam: P. Schenk, 1736-37. \$5000.00

First edition, second and most complete issue, of the major 18th century illustrated work on the canals and waterways of Holland. It is notable for its fine series of large plates showing the construction of sluices, dikes, weirs, draw and swing bridges, and the machinery used to move water during the period. The plates, executed by the renowned Amsterdam engraver Jan Schenk, show not only ground-plans and sections but also the relevant pile work foundations and mechanical devices by which they are operated. These extremely carefully illustrated plates certainly must be counted among the finest technical illustrations of the period.

This issue contains the engraved dedication leaves dated 1743 and five additional plates bound-in at end of designs for an icebreaker (the number of additional “icebreaker plates” varies in copy to copy, from none to four to six).

Nice copy from the Scott Library Collection with bookplate.

♣ Bierens de Haan 4836—(not citing any “icebreaker” plates).

With the Extremely Rare Text Volume

48. HORST, Tileman van der & SCHENCK, Johaan. *Theatrum Machinarum Universale; of Nieuwe algemeene Bouw-kunde...* Two vols.: text

vol.: 4 p.l., 72 pp. Small 4to, later 18th-cent. half-sheep & marbled boards; plate vol.: 3 leaves of text (all engraved) & 30 finely engraved double-page plates. Large folio, cont. pink sheep-backed marbled boards (extremities with minor wear or rubbing), uncut, green leather lettering piece on spine. Amsterdam: P. Schenk, 1739. \$4500.00

First edition of Horst's delightful work on stairs and staircases which is here complete with the exceedingly rare text volume (the plate volume does not contain any text). The plates show a large number of winding and other staircases in section, views, and ground plans. Most of them display very ornate banisters. At the end there is depicted a glazed lantern for the top of a staircase.

Fine copies. Luton Library bookplate in atlas volume. This was the collection of John Crichton-Stuart (1793-1848), 2nd Marquess of Bute.

• Berlin Catalogue 2253.

An Important Work on Eudiometry

49. 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.

50. HUNTER, Dard. *Papermaking by Hand in India.* 27 specimens & many photographically illus. plates. Large 4to, orig. black calf-backed decorated cloth sides, spine lettered in gilt. New York: Pynson Printers, 1939. \$5500.00

Limited to 370 numbered copies, of which this is "Out of Series E," signed by Hunter and the publisher, Elmer Adler. Printed on fine paper.

A fine copy, preserved in a box.

• Schlosser 39.

The First Satisfactory Catalogue of Incunabula

51. UNIVERSITAET BIBLIOTHEK, INGOLSTADT. *Bibliothecae Academicae Ingolstadiensis Incunabula Typographica...* illustravit Sebastianus Seemiller. 4 p.l., 192 pp.; xvi, 174, [10] pp.; 2 p.l., 196 pp.; viii, 160, [21] pp. Four vols. in one. Large 4to, early 19th-cent. calf (rebacked, occasional foxing, light dampstaining in outer margins of early leaves of Vol. IV), spine gilt, red morocco lettering piece on spine. Ingolstadt: J.W. Krüll, 1787-88-89-92. \$2500.00

The rare and excellent catalogue of the incunabula at Ingolstadt in Bavaria, described by Buzas as the first satisfactory catalogue of incunabula ever issued. "Cet ouvrage, qui contient la description de plus de dix-sept cent éditions du quinzième siècle, est estimé et digne d'être consulté par tous les bibliographes. L'auteur donne une description très détaillée des volumes, et souvent indique sommairement ce qu'ils renferment."—Peignot, p. 270.

Seemiller (1752-98), was librarian of the University.

Fine copy. Bookplate of the Bibliotheca Lindesiana. From the library of Eric H.L. Sexton, the noted collector of incunabula.

♣ Buzas, *Deutsche Bibliotheksgeschichte der Neuzeit (1500-1800)*, p. 55.

A Property Bubble

52. [JACOB, Giles]. *The Land Purchaser's Companion: and the Laws relating to Tenants and Tenures... To which are added, the Laws and Statutes relating to Tithes...* Title within double-ruled border. xi, 283, [15] pp., one leaf of ads. Small 8vo, later sheep (neatly rebacked, some faint browning), red morocco lettering piece on spine. "In the Savoy" [London]: printed by Eliz. Nutt and R. Gosling, 1720. \$1500.00

First edition and very scarce on the market. Jacob (1686-1744), legal and literary author (including much pornography), is best known for *The Country Gentleman's Vade Mecum* (1717). After serving an apprenticeship to the law, he became Secretary to the Hon. W. Balthwayt, a celebrated courtier in the reign of William and Mary. Jacob, a land-owner with a keen interest in farming, was prompted to write the present work "as a companion to the purchaser...to render every thing plain and intelligible, that persons of all capacities may be enabled to judge when they are secure, and faithfully dealt with by the practisers of the law, in everything that shall commonly occur" (pp. viii-ix).

He cautions, topically, "on the late flourishing business in Exchange Alley, occasion'd by the great rise of the South-Sea Stock, such extraordinary fortunes have been acquir'd by merchants and others, that the immediate value of lands...is considerably advanc'd, even to thirty five and forty years purchase, near the city of London; but this cannot be expected to be a standard rule for the

future, or to times in general" (p. xi).

Jacob also experimented with satire in *The Rape of the Smock*, published in 1717, a scatological parody of Alexander Pope's *The Rape of the Lock*. Pope later retaliated in the 1728 edition of *The Dunciad* (see ODNB).

Early signature of "RA Ward" on title.

From the Library of Franz Sondheimer

53. KLAPROTH, Martin Heinrich & WOLFF, Friedrich Benjamin. *Dictionnaire de Chimie...* traduit de l'Allemand, avec des Notes, par E.J.B. Bouillon-Lagrange...et par H.A. Vogel. Engraved frontis. port. & 8 engraved plates. Four vols. 8vo, cont. sheep-backed marbled boards (some foxing, upper joint of Vol. IV cracked & head of spine worn, very slight chips to heads of two other spines). Paris: Klostermann fils, 1810-10-11-11. \$1250.00

First edition in French of the first German chemical dictionary, originally published in Berlin in 1807-10. "Klaproth was the foremost supporter of Lavoisier's antiphlogistic theory in Germany, and in addition to his classic researches in analytical chemistry, he wrote an excellent chemical dictionary...The translators added valuable notes and state in their preface that all the important advances in chemistry since the beginnings of the science have been included. Detailed quantitative analytical data on chemical compounds and minerals, as well as the latest theories, are presented."—Neville, I, 732.

A very good set from the library of Franz Sondheimer with bookplate.

♣ Cole 729. Duveen, p. 325.

Thick Paper Copy from the Library of the Kings of Bavaria

54. LAMPADIUS, Wilhelm August. *Chemische Briefe für Frauenzimmer von Bildung und Häuslichkeit.* Several woodcut diagrams in the text. xiv, 330, [3] pp. Small thick 8vo, fine orig. red sheep, sides decorated in gilt, flat spine gilt, green morocco lettering piece on spine, a.e.g. Freiberg: Craz & Gerlach, 1817. \$2950.00

First edition and very rare. Lampadius (1772-1842), pharmacist and later professor of chemistry and mineralogy at the famous Mining Academy at Freiberg, is best known for his discovery of carbon disulfide. He is considered to be one of the founders of metallurgy.

"The 1st edition of an extensive 19th-century German treatise on applied chemistry for domestic use. Sections on dyeing (pp. 301-310) and spot removing (pp. 311-318)."—Ron, *Bibliotheca Tinctoria*, 631. There is much on distillation,

gastronomy, and wine.

Fine copy printed on thick paper from the library of the Kings of Bavaria.

♣ Poggendorff, I, 1362.

A Fundamental Work

55. LAPLACE, Pierre Simon, Marquis de. *Traité de Mécanique Céleste.* Folding engraved plate in Vol. IV. Five vols. in three. Large 4to, a prize binding of mid-19th cent. calf (joints & a few corners carefully repaired, some foxing), arms in gilt of Trinity College, Cambridge on upper & lower covers, double gilt fillet round sides, spines nicely gilt, another version of the arms stamped in gilt in bottom compartment of each volume, modern but wonderfully sympathetic red & green morocco lettering pieces on spines. Paris: J.B.M. Duprat & others, An VII [1798]-1825. \$22,500.00

First edition and a complete set with all the supplements. In this monumental and fundamental astronomical work, Laplace — the “Newton of France” — codified and developed the theories and achievements of Newton, Euler, d’Alembert, and Lagrange. “Laplace maintained that while all planets revolve round the sun their eccentricities and the inclinations of their orbits to each other will always remain small. He also showed that all these irregularities in movements and positions in the heavens were self-correcting, so that the whole solar system appeared to be mechanically stable. He showed that the universe was really a great self-regulating machine and the whole solar system could continue on its existing plan for an immense period of time. This was a long step forward from the Newtonian uncertainties in this respect... Laplace also offered a brilliant explanation of the secular inequalities of the mean motion of the moon about the earth — a problem which Euler and Lagrange had failed to solve... He also investigated the theory of the tides and calculated from them the mass of the moon.”—*Printing & the Mind of Man* 252.

A very good set. Prize bookplate of Trinity College, Cambridge (“The Rev. Edward Yeats’ Prize”) presented to C. Niven, January 1867. Later signature of R.V. Jones on front endpapers. Ex Bibliotheca Mechanica with bookplate (this copy was at the binder in Paris for fourteen years). Our set has the first state, with the earlier dates, of the titles of Vols. I and II, and all the supplements. As is occasionally the case, the half-title of Vol. II is lacking.

♣ Dibner, *Heralds of Science*, 14. D.S.B., XV, pp. 273-403. *En Français dans le Texte* 201. Horblit 63. Roberts & Trent, *Bibliotheca Mechanica*, pp. 197-98.

Three Beautifully Handcolored Monographs by Ledermüller

56. LEDERMUELLER, Martin Frobenius. *Physikalisch-mikroskopische Zergliederung und Vorstellung einer sehr kleinen Winterknospe der Hippocastani seu Esculi, oder des wilden Rosskastanienbaums.* Woodcut printer's device on title, a fine & large engraved headpiece with arms, & three finely handcolored engraved plates. 2 p.l., 8 pp. Folio, cont. speckled sheep (minor defect at foot of upper joint), spine gilt, contrasting leather lettering piece on spine. Nuremberg: A.W. Winterschmidt, 1764.

[bound with]:

— *Physikalisch-Mikroskopische Zergliederung des Kornes oder Rokens; nebst der Beobachtung seines Wachsthums.* Woodcut printer's device on title, a fine & large engraved headpiece, & three finely handcolored engraved plates. 2 p.l., 8 pp. Folio. Nuremberg: A.W. Winterschmidt, 1764.

[bound with]:

— *Phisicalisch-Mikroskopische Vorstellung und Zergliederung einer angeblichen Rokenpflanze, das Staudten, Stek- oder Gerstenkorn insgemein genannt. Wobey die Embryonen der noch zarten und kaum 4. Wochen alten Aehre, mit ihrem Keim, dann Blüht und Befruchtungs-Theilen, ingleichen die Aehnlichkeit des Roken und Gerstengrases mit seiner Blüht und Frucht, sowohl natürlich als vergrössert sich abgebildet befinden...* Woodcut printer's device on title & three finely handcolored engraved plates. 1 p.l., 12 pp. Folio. Nuremberg: A.L. Wirsing, 1765. \$9500.00

First editions of these beautifully illustrated monographs on the horse chestnut, the rye plant, and the barley plant, each with finely handcolored engraved plates.

Ledermüller (1719-69), a polymath, displayed a discerning interest in the art and science of natural history and especially in the newer science of microscopy which made it possible to study the characteristics of a great variety of specimens. The fine engravings, made by Winterschmidt in the first two volumes and Wirsing in the third, from the author's drawings, depict the plants, their seeds, flowering stages, and microscopic cross-section views.

Fine copy. Bound-in is the first part of Johann Christian Daniel Schreber's *Beschreibung der Gräser nebst ihren Abbildungen nach der Natur* (Leipzig: 1769) with twenty finely engraved handcolored plates of various grasses along with a fragment of the second part.

• Pritzel 5144, 5143, & 5146.

57. [LE MONNIER, Pierre Charles] & FONTAINE DES CRUTES, Pierre. *Traité complet sur l'Aberration des Étoiles fixes, avec une Histoire générale de l'Astronomie, une Introduction au Système du Monde, selon les principes de la Philosophie ancienne & moderne; suivies d'un Abregé de la Sphere & d'une méthode pour déterminer les différences en longitude des Villes & des Ports de Mer, en se servant de l'Occultation des Etoiles fixes par la Lune.* Eight folding engraved plates & one engraved headpiece vignette. iv, one leaf of dedication, [v]-xxxii, 270, [2], one leaf of errata. 8vo, attractive antique calf, double gilt fillet round sides, spine nicely gilt, red morocco lettering piece on spine. Paris: G.F. Quillau, 1744. \$3000.00

First edition and very scarce; it is not generally known that the great French astronomer Le Monnier (1715-99), made substantial contributions to the present book.

Fine and handsome copy.

☛ Lalande, p. 423—"Le Monnier eut part à cet ouvrage; il contient encore quelques autres mémoires d'astronomie."

Calculating Machines

58. LEUPOLD, Jacob. *Theatrum Arithmetico-Geometricum, das ist: oder Schau-Platz der Rechen- und Mess-Kunst.* 45 engraved plates. Title in red & black. 7 p.l., 200, [4] pp. Folio, speckled sheep (a few minor abrasions to binding), large Schönborn arms in gilt on covers, spine lettered in gilt, orange leather lettering piece on spine. Leipzig: published by the Author & J.F. Gleditsch & Son, 1727. \$4000.00

First edition, and a very attractive copy, of the seventh volume of Leupold's *Theatrum Machinarum*, or "Theater of Machines"; this was the most complete and richly illustrated work on engineering and machinery published, not just up until that time, but for many years to follow. Complete sets of the nine works are of great rarity.

The *Theatrum Machinarum* may be described as the first encyclopedia of technology. Not only was it easily the most richly illustrated book of its kind, with many thousands of figures on 530 plates, but with more than 2000 pages of German text it eclipsed all other works in the field. It describes not only the design and construction of the machines themselves, but also the mechanical principles by which they operated. Not only does the author describe the machines of his predecessors Francesco di Giorgio Martini, Strada, Zonca, Böckler, and Zeising, but Leupold also gives accounts of many of his own inventions.

The present volume is concerned with calculating machines and measuring instruments. Of the former, he mentions those designed by Napier, Caspar

Schott, Grillet, Giovanni Poleni, and Leibniz, as well as several of his own invention. One of the latter is described by Wolf, *History of Science...in the Eighteenth Century*, pp. 657-58 with two reproductions.

Among the other instruments described are compasses of proportion and a rectangular instrument resembling the modern slide rule. Cajori, in his *History of the Logarithmic Slide-Rule* (1909), p. 41, draws attention to these passages and notes that before 1727 the slide rule was practically unknown in Germany.

Leupold (1674-1727), a Leipzig mechanical engineer, established a workshop to manufacture mathematical and mechanical instruments. His numerous books describe the latest technological developments of the day.

A very fine, tall, and handsome copy. Uncommon in such condition.

♣ Tomash L81.

A Fine Copy of a Classic

59. LISLE, Edward. *Observations in Husbandry*. Fine frontis. port. of the author. xvi, 450, [2] pp., one leaf of errata. Large 4to, cont. calf, double gilt fillet round sides, red morocco lettering piece on spine. London: Printed by J. Hughs, 1757. \$1950.00

First edition, and a lovely copy, of one of the 18th-century classics of English husbandry. Lisle (1666?-1722), who lived at Crux-Easton in Hampshire and had estates in Wiltshire and in the Isle of Wight, assiduously gathered information from the leading farmers of all aspects of husbandry. While not an innovator but an intelligent and careful observer, he later added comments based on his own experience. Thomas Lisle, the author's son, reworked his father's materials and, using them, published the present work. Some of the chapter headings include plowing, sowing, manuring, pastures, the garden, water and waters, etc. There is an interesting chapter on the varieties of ploughs and Lisle has provided a two-page glossary of technical terms.

The handsome frontispiece portrait of Lisle, framed by wheat sheaves and autumnal fruits above a composite vignette of agricultural tools, is particularly fine.

Very fine copy. There was a second edition published in two octavo volumes in the same year. Engraved armorial bookplate of Thomas Hall Esqr.

♣ Fussell, *The Old English Farming Books from Fitzherbert to Tull 1523 to 1730*, pp. 94-95—"It tells how farming was done by named farmers living in specified places."

Bent's Final Effort

60. THE LONDON CATALOGUE OF BOOKS, *with their Sizes, Prices, and Publishers, Containing the Books published in London, and those altered in Size, or Price, since the Year 1800 to October 1822*. 2 p.l., 239, [1] pp. 8vo, cont. half-calf & marbled boards (joints repaired), spine gilt, green

morocco lettering piece on spine. London: William Bent, 1822.

[bound with]:

A CATALOGUE OF BOOKS *with their Sizes, Prices, and Publishers. Containing the Works published in London, and those altered in Size and Price, since the London Catalogue of 1822, or from October 1822 to October 1824.* 1 p.l., 44 pp. 8vo. London: Published for the Executor of the later William Bent, 1824. \$1750.00

“Modern book-trade bibliography starts with William Bent (1747-1823), who first compiled *The London Catalogue* in 1773. Bent did not originally give publishers’ names but he organised his various catalogues so that it was possible to find what books in print an author had written, or who had written on particular subjects.”—Pollard & Ehrman, pp. 135-36. About 15,000 books are listed.

The first catalogue was the final one to be overseen and published by William Bent.

Very good copy.

• Besterman 1988-89.

61. LOUDON, John Claudius. *An Encyclopaedia of Gardening; comprising the Theory and Practice of Horticulture, Floriculture, Arboriculture, and Landscape-Gardening, including all the latest Improvements; a General History of Gardening in all Countries; and a Statistical View of its Present State; with Suggestion for its Future Progress, in the British Isles.* 981 woodcuts in the text. xl, 1270 pp., 1 leaf of errata. One vol. bound in two. 8vo, cont. diced calf (quite expertly rebacked with the orig. spines laid-down), spines gilt, red & green leather lettering pieces on spines. London: Longman et al., n.d. [Preface dated 28 Oct. 1834]. \$1500.00

“A New Edition, considerably Improved and Enlarged” of “the first book to treat the subject comprehensively from the historical, technical, aesthetic, and horticultural points of view.”—*The Oxford Companion to Gardens*, p. 344. This edition has been greatly improved by the inclusion of new material from Loudon’s *Gardener’s Magazine*. The contributors to specialized parts are identified and many illustrations have been added or improved.

Loudon (1783-1843), has been called the “most distinguished gardening author of the age” (by A.J. Downing). He was “a designer of parks and gardens but the chief reason for Loudon’s historical importance is undoubtedly the quality and volume of his literary output...this immensely energetic Scotsman published approximately 60 million words on gardening, horticulture, architecture, agriculture, and other related topics. His books, encyclopaedias, and magazines were essential reference books in their day and remain an indispensable source

for historians of the period."—*The Oxford Companion to Gardens*, p. 344.

Loudon's definition of gardening was broad and included garden structures and edifices, tools, the principles of landscape gardening and the education of gardeners, as well as plants and their culture. His general history of gardening was the first of its kind and he also includes 17 pages of bibliography as well.

A nice set.

♣ Fussell, III, pp. 88-98.

62. LUDWIG, Christian Gottlieb. *Terrae Musei Regii Dresdensis...accedunt Terrarum Sigillatarum figurae*. Engraved vignette on title, six engraved headpiece, & 12 engraved plates. xvi, 298, [8] pp. Folio, cont. fine vellum over boards (tiny wormhole in gutter, becoming slight larger in final four leaves). Leipzig: J.F. Gleditsch, 1749. \$3950.00

First edition of a very interesting book. Ludwig (1709-73), took his medical degree at Leipzig. He joined the faculty there and successively became professor of anatomy, surgery, pathology, and therapy. Ludwig is equally famous for his natural history activities. He botanized in Africa as a young man on behalf of the King of Poland and wrote an important series of botanical works. Both Rousseau and Linnaeus held him in high regard.

This work describes the collection of "earths" (really mineral specimens) and seals preserved in the Staatliche Kunstsammlungen in Dresden. The first three chapters (pp. 1-192) contain the classified catalogue of the great mineral collection. The remaining part of the book contains the description of the seals manufactured from the medicinal earth coming from Lemnos, an island in the north of the Aegean Sea. These seals were popular throughout western Europe. The earth was considered a cure for wounds and for the bites of poisonous snakes. The earth was sold by apothecaries in stamped cubical blocks and shaped into seals. The seals are depicted on the plates.

Fine copy. Attractive modern booklabel of "Bachem."

♣ Hirsch, III, p. 859. Murray, *Museums. Their History and their Use*, Vol. I, p. 35n & Vol. II, p. 215. *N.B.G.*, Vol. 32, cols. 209-10. Schelenz, p. 455.

63. MARSHALL, William. *The Rural Economy of Gloucestershire; including its Dairy; together with the Dairy Management of North Wiltshire; and the Management of Orchards and Fruit Liquor, in Herefordshire*. One folding engraved map. xxviii, 332 pp., [4] pp. of ads; iv, 401 pp., [11] pp. Two vols. 8vo, orig. cloth-backed blue boards, paper labels on spines, uncut. Gloucester: R. Raikes for G. Nicol, 1789. \$1750.00

First edition and a lovely set in fresh original condition. Marshall (1745-1818), wrote a series of studies of farming in various English countries published

between 1787 and 1798. The two volumes on Gloucester were the fifth and sixth of the eventual twelve volume series.

“Modern agricultural historians have generally held that Marshall’s works on English farming are superior to those of his rival, Arthur Young, as they are more systematically arranged and based on a more thorough knowledge of a district by personal residence there. Unlike Young, Marshall was cautious about experimentation, preferring rather to advocate the best practices approved by experienced farmers. On the other hand, he lacked Young’s pithy and more readable style, and acquired fewer close contacts with the leading farming figures of the time. Marshall’s career, indeed, suffered in some degree from his native bluntness and acid tongue, his pride, and his sensibility to slights. Nevertheless, from the independence of his views arose his remarkably early support for agricultural education, and his belief in the necessity of studying agriculture on a regional basis, both of which were ideas well before their time.”—ODNB.

Pages 323-32 contain a valuable “Verbal Provincialisms of the Vale of Gloucester.” Marshall was interested in dialects and he was the first to form a collection of words peculiar to the Yorkshire dialect. It was appended to the *Rural Economy of Yorkshire* and contains about eleven hundred words.

Fine set.

♣ Fussell, II, pp. 114-20.

64. MARSHALL, William. *The Rural Economy of the West of England: including Devonshire; and Parts of Somersetshire, Dorsetshire, and Cornwall. Together with Minutes in Practice.* Double-page frontis. map. 1 p.l., xxxiv, 332 pp.; xxiv, 358, [3] pp. Two vols. 8vo, cont. mottled calf, floral fillet round sides, flat spines gilt, red & green morocco lettering pieces on spines. London: G. Nicol et al., 1796. \$1500.00

First edition and a lovely set of the penultimate survey undertaken by Marshall of the farming practices of six different regions of England.

Fine set.

65. MEDIKUS (or MEDICUS), Friedrich Kasimir. *Beiträge zur schönen Gartenkunst.* Finely engraved vignette on title. 11 p.l., 378, [12] pp. 8vo, orig. red morocco, triple gilt fillet round sides, spine finely gilt, green morocco lettering piece on spine, a.e.g. Mannheim: in der neuen Hof- und akademischen Buchhandlung, 1782. \$2950.00

First edition and a lovely copy in red morocco and printed on thick paper from the library of the dukes of Bavaria. Medikus (1736-1808), was in charge of the Mannheim botanic garden for many years and the author of a number of

botanical books.

In the present work, Medikus describes in a series of letters the various styles of garden design — including English and German — and the appropriate plantings for each. In one of the sections Medikus discusses the kinds of botanical gardens — a demonstration garden for a high school, a garden for apothecaries of a large city, a garden for an academy of science, and a garden for a wealthy private owner — and their different requirements. There is much on non-native trees and plants.

Fine and handsome copy.

• Stafleu & Cowan 5768.

Considered to be the Best

66. MIDDLETON, John. *View of the Agriculture of Middlesex: with Observations on the Means of its Improvement, and Several Essays on Agriculture in General. Drawn up for the Consideration of the Board of Agriculture...Accompanied by the Remarks of Several Respectable Gentlemen and Farmers.* Two hand-colored folding engraved maps & one folding printed table. xvii pp., 1 leaf of errata, 597 pp. 8vo, cont. speckled calf, red morocco lettering piece on spine. London: Printed by B. Macmillan for G. Nicol et al., 1798. \$1650.00

First edition and rather scarce. Middleton (1751-1833), land surveyor and agriculturalist, was a member of the London Society for the Encouragement of Arts, Manufactures, and Commerce. The present work has long been considered to be the best of all of the Board of Agriculture's surveys of the English counties (see ODNB). Middleton was a prolific writer on rural matters and was inspired by a wish to improve the lot of his fellow countrymen.

Fine copy.

67. MORDANT, John. *The Complete Steward: or, the Duty of a Steward to his Lord. Containing Several New Methods for the Improvement of his Lord's Estate, and Shewing the indirect Practices of Stewards, tending to lessen any Estate. Also a New System of Agriculture and Husbandry, wherein are laid down General Rules and Directions for the Management and Improvement of Farms. With Tables for the Measurement of Timber, Interest of Money; and the Value of ancient and modern Coin compared. Together with several Law Precedents relating to the Duty and Office of a Steward.* One folding printed table & numerous tables in the text. iv, [4], 496, [14] pp.; 2 p.l., 432, [3] pp. Two vols. 8vo, cont. polished speckled calf, spines gilt, morocco lettering pieces on spines (lacking a label from Vol. I). London: Printed for W.

Sandby, 1761. \$1950.00

First edition. "Mordant, of whose life nothing is known, makes the usual excuse for issuing his book, though why an excuse should be necessary puzzles me; there was no recent good book on the subject, although Mr. Lawrence had in some measure treated of it before him. Mordant admits that Lawrence was a very able man to have handled the subject in a full and general way and to advantage, but his reflections and observations were too few and concise. Mordant cast his own book in alphabetical form, and includes trees, animals, crops, building, &c., making an effective and useful dictionary for landowner and steward alike. The second volume contains a large number of diverse tables for ready-reckoning areas, timber, board measure, &c., and a comprehensive set of specimen documents like leases, re-leases, and so on."—Fussell, II, p. 51.

Fine set of a scarce book, with the signature of "Mr. Lewis Borthwick, 1791" on front paste-down of Vol. I and on first title.

The First Description of the Pyrometer

68. **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.

69. **NAGEL, Heinrich von.** *Theoretisch-praktischer Unterricht zur Seiden-Kultur in Baiern.* vi, [2], 152 pp. 8vo, orig. red patterned boards, gilt decoration round sides, a.e.g. Munich: Lentner, 1824. \$950.00

First edition of this very rare book — no copy in the U.S. according to OCLC — concerning the development of the silk industry in Bavaria. Earlier efforts to establish the industry in this area in the 17th century were unsuccessful. Nagel, a cameral official in Bavaria, describes the silkworm, sericulture, diseases, and the manufacture of silk.

Very fine copy from the Kings of Bavaria.

Three of His Most Important Collections of Writings

70. **NEUMANN, Caspar.** *Lectiones Publicae von Vier Subjectis Chemicis, Nämlich vom Salpeter, Schwefel, Spiess-Glas und Eisen, wie solche bey dem in Berlin gestifteten Königl. Collegio Medico-Chirurgico abgehandelt worden.* 7 p.l. (lacking a blank leaf), 440 pp. 4to, cont. smooth vellum over boards. Berlin: J.G. Michaelis, 1732.

[bound with]:

— . *Disquisitio de Ambra Grysea...sammt einem Kurtzen Vorbericht solcher Memoire halber, Anietzo, weil wenigen Personen die Engländische Transactiones Philosophicae vorkommen, in deutscher Sprache publiciret, von Einem Liebhaber der Historiae Naturalis.* 8 p.l., 116 pp. 4to. Dresden: G.C. Hilschern, 1736.

[bound with]:

— . *Lectiones Publicae von Vier Subjectis Pharmaceutico-Chemicis, nämlich vom Gemeinem Saltze, Weinstein, Salmiac und der Ameise, wie solche bey dem in Berlin gestifteten Königl. Collegio Medico-Chirurgico abgehandelt worden.* 4 p.l., 379, [1] pp. 4to. Leipzig: G.B. Frommann, 1737. \$5500.00

A very attractive sammelband of three of Neumann's most important collections of writings. Neumann (1683-1737), "studied pharmacy, travelled with the king as his apothecary, and also at his expense in Germany, Holland and England, where he resided for five years. He returned to Berlin, made fresh journeys to England, France and Italy, was appointed Court apothecary and afterwards professor of practical chemistry in the Medico-Chirurgical College, and in 1724 he was made supreme surveyor of the apothecaries in Prussia. He was a member of the Royal Societies of London and Berlin . . .

"He published his prelections at the request of his friends, so that the scope of his teaching might be known. He was an energetic and successful chemist."—Ferguson, II, p. 137.

As Court apothecary, he took on the demanding job of running one of

Europe's busiest pharmacies.

I. First edition of Neumann's lectures on saltpeter, sulphur, antimony, and iron.

II. First edition of his notable work on amber. There are a number of references to the researches on the nature of amber undertaken in Boston by Boylston, Atkins, and Prince.

III. First edition of Neumann's lectures on salts, cream of tartar, sal-ammoniac, and formic acid; very rare with no copy in *N.U.C.*, OCLC, or RLIN.

Fine copies. With two contemporary engraved armorial bookplates — "Ex Bibliotheca Kleiniana" and "Ex Bibliotheca Gralathiana."

♣ *D.S.B.*, X, pp. 25-26. Ferguson, II, pp. 136-37. Partington, II, pp. 702-06.

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

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

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

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

Printed as a Memorial

72. (NICOLAI, Cornelius). *Bibliotheca Nicolaiana, in duas Partes divisa...* Engraved frontis. 4 p.l. (incl. the frontis.), 318, [2] pp.; 123, [1] pp. Two parts in one vol. 8vo, cont. vellum over boards (somewhat stained & buckled, some light foxing). Amsterdam: sumptibus Haeredum, 1698. \$4000.00

A very uncommon private library catalogue, issued after the collector's death at the age of 24. Nicolai, a rich young man, had formed a very considerable

collection of books, coins, and art in the few years given to him.

"There are two catalogues of his library: one in 8vo [the present one] with an engraved frontispiece, printed 'sumptibus Haeredum', Amsterdam in 1698. The other is the duodecimo catalogue for the auction sale held by the Jansson-Waesberghe firm, beginning on 24 November the same year. The octavo catalogue may have been printed by the heirs to elicit an offer for the library as a whole; but the frontispiece and the preface give the impression that the primary purpose of this catalogue was memorial."—Pollard & Ehrman p. 205—(& see Table XXV & no. 219).

This catalogue contains, besides Nicolai's books (rich in medicine and chemistry), his portraits of scholars by Rubens and Frans Hals, a long series of Greek and Roman coins, and some ancient marbles.

Very good copy. Signature of "C. de Coup. 1701" on title.

The Books at Monselice

73. OFFICINA BODONI. *Il Castello di Monselice. Raccolta degli Antichi Libri Veneziani Figurati.* Described by Tammara De Marinis. Frontis., text illus., & 93 splendid photogravure plates (many double-page, several in red & black, & one in color facsimile). xiv, 406 pp. Large 4to, orig. half-vellum & marbled boards (one corner a little bruised, a bit of foxing which is always the case with this book), t.e.g., others uncut, spine gilt, red morocco lettering piece on spine. Verona: dai Torchi della Officina Bodoni, [1941]. \$4250.00

Only 310 copies, superbly hand-printed by Giovanni Mardersteig on heavy handmade paper, were issued for private circulation. This monumental catalogue is very little known, as it was published during the war and was only distributed to personal friends of Conte Vittorio Cini (1885-), the owner of Monselice. Most of the volumes in this unique collection of Venetian 15th and 16th century illustrated books were formerly in the library of Prince d'Essling, but in many cases Dr. De Marinis has been able to supply much additional information concerning them which has come to light since the publication of Prince d'Essling's *Les Livres à Figures Vénitiens...* (1907).

A handsome and rare private library catalogue, containing valuable and detailed descriptions.

Fine copy.

♣ Schmoller 53.

74. OFFICINA BODONI. *The Nymphs of Fiesole.* By Giovanni Boccaccio with the Woodcuts made by Bartolommeo di Giovanni for a Lost Quattrocento Edition, which were used to illustrate Various Later Texts

and have now been Reassembled and Recut. 23 woodcuts re-cut by Fritz Kredel & one facsimile. Large 8vo, orig. vellum-backed paste-paper boards, spine lettered in gilt, t.e.g., others uncut, slipcase. Verona: 1952.
\$2250.00

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

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

♣ Schmoller 102.

75. PASSERAT DE LA CHAPELLE, Claude François. *Réflexions générales sur l'Isle Minorque; sur son Climat, sur la manière de vivre de ses Habitans, & sur les Maladies qui y regnent.* 1 p.l., x, 133, [2] pp. Small 8vo, cont. half-sheep & paste-paper boards, spine richly gilt. Paris: la Veuve d'Houry, 1744.
\$2500.00

First edition of this account of Minorca, one of the Spanish Balearic islands in the Mediterranean. In the first half of the book Passerat (1707-84), councillor to the King and military physician, describes the island's geography, natural resources, climate, the inhabitants, and their diets. In the second half, he provides details on the diseases common to the population. There are also sections on the benefits of the mineral waters of the island.

A very fine copy from the ducal Starhemberg library at Schloss Eferding in one of their characteristic bindings.

♣ Palau y Dulcet 214387.

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

V. Lagier, 1841. \$425.00

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

Fine copy. Bookplate of Julia Parker Wightman.

• Brunet, IV, 468.

The Beginnings of Modern Comparative Anatomy

77. [PERRAULT, Claude]. *Description Anatomique d'un Cameleon, d'un Castor, d'un Dromadaire, d'un Ours, et d'une Gazelle*. Fine woodcut vignette on title & five fine folding engraved plates. 120 pp. 4to, fine antique calf, spine nicely gilt. [Paris: F. Leonard, 1669]. \$6500.00

First edition of the second publication of the "Parisians," a famous group of anatomists in Paris; their publications mark the beginnings of modern comparative anatomy. "The constitution of the French Academy of Science in 1666 established a school of morphology to which the modern development of comparative anatomy may be directly traced... The longevity of the early Parisian anatomists was remarkable... Their leader was the veteran Claude Perrault... it was due mainly to his influence that a number of the early members of the French Academy, who are often conveniently referred to in the literature of the period as the 'Parisians', laid the foundations of our modern knowledge of comparative anatomy."—Cole, *A History of Comparative Anatomy*, pp. 393-95 (& see pp. 393-425).

The leading members of the "Parisians" were, beside Perrault, Guichard Joseph Duverney, Jean Pecquet, Moyses Charas, and Philippe de la Hire.

"In June 1667 the Academy was invited to dissect a thresher shark and a lion which had died at the royal menagerie. The reports on these dissections were the first of a long series of anatomical descriptions, which ultimately included those of twenty-five species of mammals, seventeen birds, five reptiles, one amphibian, and one fish...

"Although some of the discoveries on which the Parisians most prided themselves — including the nictitating membrane that Perrault first observed in a cassowary, the external lobation of the kidneys in the bear, and the castoreal glands of the beaver — had been observed earlier, no such detailed and exact descriptions and illustrations had been published before."—*D.S.B.*, X, pp. 519-20.

Fine copy.

Ceramic Experiments; A Complete Set

78. POTT, Johann Heinrich. *Chymische Untersuchungen welche fürnehmlich von der Lithoegnosia oder Erkänntniss und Bearbeitung der gemeinen einfacheren Steine und Erden ingleichen von Feuer und Licht handeln.*

3 p.l., 88, 44, [13] pp. 4to, cont. blue boards (foot of spine a little defective). Berlin: C.F. Voss, 1757.

[bound with]:

— *Fortsetzung derer Chymischen Untersuchungen, welche von der Lithogognosie, oder Erkänntniss und Bearbeitung derer Steine und Erden specieller handeln.* 4 p.l., 120 pp. 4to (light foxing). Berlin & Potsdam: C.F. Voss, 1751.

[bound with]:

— *Zweyte Fortsetzung derer Chymischen Untersuchungen welche von der Lithogognosie oder Erkänntniss und Bearbeitung derer Steine und Erden in Anwendung derselben zur Bereitung feuerfester Gefässe und Tiegel specieller handeln nebst Tabellen über all drey Theile.* One engraved plate depicting a furnace. 7 p.l., 148 pp. (minor foxing). Berlin: C.F. Voss, 1754. \$2500.00

Second edition, enlarged, of the first work and first editions of the final two works; a complete set. Pott (1692-1777), a disciple of Stahl, succeeded Neumann as professor of practical chemistry and director of the royal pharmacy at Berlin. "Pott's principal contribution to chemistry was in the systematic examination of mineral substances. He extended knowledge of several metals, at a time when the traditional notion of a fixed number of metals was changing...He described bismuth fully and added to knowledge of its compounds and those of borax, alkalies, and alkaline earths."—*D.S.B.*, XI, p. 109.

These three works are concerned with Pott's attempts to duplicate the porcelain manufactured at Meissen; they became a *vade mecum* of the ceramists and the most popular treatment of the fundamentals of the subject. Pott made over 30,000 experiments with all kinds of materials subjected to heat in an improved furnace of his own design. His elaborate tables of reactions recorded here are a notable contribution to chemical analysis "in the dry way" and greatly advanced chemical theory.

The *Chymische Untersuchungen* (1757) is greatly expanded by the first printing of the *Neuer Anhang sur Lithogognosie* followed by a comprehensive index to all three works.

The plate depicts the furnace use by Pott in his attempts to make porcelain.

Nice set. Engraved bookplate of the "Conventus Viennensis in Rossaugia."

♣ Ferguson, II, pp. 221-22. Neville, II, pp. 329-32. Partington, II, pp. 717-22. Sinkankas 5227.

79. RUDBECK, Nicolaus. *Disputatio de Motu Fixarum, nec non Quinque Planetarum Saturni Jovis Martis Veneris & Mercurii. Quam...ex consensu...Nicolai Rudbeckii...publico examini sistit...Samuel*

Schult...respondente Jacobo D. Westhio. [6] leaves. Small 4to, attractive antique red morocco, panelled in gilt. Arosiae [Vasteras, Sweden]: B. Hagenius, 1674. \$2500.00

First edition of this very rare astronomical work; there is no copy in OCLC or Collign.

Fine copy.

*The Discovery of the Membrane Labyrinth;
Brambilla's Copy*

80. SCARPA, Antonio. *Anatomicae Disquisitiones de Auditu et Olfactu.* Sixteen finely engraved plates (eight anatomical & eight in outline). 5 p.l., 101 pp. Large folio, cont. speckled sheep (minor rubbing to extremities), spine nicely gilt, red morocco lettering piece on spine. Pavia: P. Galeati, 1789. \$6750.00

First edition of Scarpa's important work on the auditory and olfactory apparatus. "In 1789 Scarpa made his historic observations on the membrane labyrinth, which he discovered together with its endolymph...Scarpa precisely described the membrane semicircular canals with the ampullae and the utricle, and discovered the vestibular nerve and its ganglion (named for him). He was even able to observe the microscopical structure of the ampullae and identify the origin of the fibers of the vestibular nerve...He accurately illustrated the course of the human acoustic nerve from the cochlea to the rhombencephalon."—*D.S.B.*, XII, p. 137.

The beautiful plates are after Scarpa's own designs. "Of all medical men who have illustrated their own books, probably none have ever exhibited such striking artistic talent as that brilliant Venetian — Antonio Scarpa (1747-1832)...Scarpa was a virtuoso in the most varied sense, a great anatomist and surgeon, equally skilled as orthopedist and ophthalmologist, an irreproachable Latinist, a master of sarcasm, yet a most attractive teacher, and a draftsman of the first order."—Garrison, *History of Medicine*, p. 336.

A very fine and handsome copy. With the armorial bookplate of Giovanni Antonio Brambilla (1728-1800), an important military surgeon, who "was given by the Emperor Joseph II the task of reorganizing the teaching of military medicine...In Vienna he instituted the Josephinum, an academy of military medicine and surgery (1785), where regular instruction was given for military surgeons...He was one of a number of Italian physicians who successfully practiced medicine in Vienna about the turn of the century."—Castiglioni, p. 625. With two bookplates of Piergiogio Borio, M.D.

• Garrison-Morton 1453. *Heirs of Hippocrates* 1103.

With 74 Textile Samples

81. SCHUETZENBERGER, Paul. *Traité des Matières colorantes comprenant leurs Applications a la Teinture et a l'Impression et des Notices sur les Fibres textiles, les Épaississants et les Mordants.* 74 samples of textiles pasted-in, illus. in the text & one folding lithographed plate. xi, 544 pp.; 2 p.l., 646, [1] pp. Two vols. 8vo, cont. morocco-backed marbled boards (occasional minor foxing), spines gilt. Paris: V. Masson et Fils, 1867.

\$1650.00

First edition. "An extensive 19th-century French handbook on bleaching, dyeing, and textile printing, sponsored by the great textile manufacturing center in Mulhouse, Alsace."—Ron, *Bibliotheca Tinctoria*, 953—(containing only 70 fabric samples).

Schützenberger (1829-1897), was professor of chemistry at Mulhouse and later became director of the laboratory in the Collège de France in Paris, where he became professor in 1876.

The plate depicts microscopic views of textile fibers.

A very good set.

• Lawrie, *A Bibliography of Dyeing and Textile Printing*, p. 115. Partington, IV, p. 827.

"A Very Rare Work Printed in a Small Number of Copies"—Neville

82. [SICKINGEN, Karl, Graf von]. *Versuch über die Platina...* Added engraved title (small library stamp on title), two folding engraved plates, & one folding printed table. 9 p.l. (incl. engraved title), 324 pp., one leaf of errata. 8vo, cont. red morocco, triple gilt fillet round covers, spine richly gilt, green morocco lettering piece on spine, a.e.g. Mannheim: gedruckt in der Hof- und Akademischen Buchdruckerei, 1782.

\$4500.00

First edition, translated from the French by G.A. Suckow; this is an important book in the history of our knowledge of platinum, one of the most useful metals in the chemical and mechanical arts. It was only in the 18th century that platinum was introduced from Mexico and Darien into Europe and attracted the notice of various chemists.

"In 1772 Baron Carl von Sickingen made extended researches on platinum and rendered it malleable by alloying it with silver and gold, dissolving the alloy in aqua regia, precipitating the platinum with ammonium chloride, igniting the ammonium chloroplatinate, and hammering the resulting finely divided platinum to make it cohere. His researches on this subject were not published until 1782."—Weeks, *Discovery of the Elements*, p. 417. Sickingen was the first to

produce platinum in the form of wire and sheet.

The large plates depict metallurgical apparatus.

A very fine and pretty copy in contemporary red morocco.

• Hoover 745. Neville, II, p. 472. Partington, III, p. 699—"the first platinum apparatus was made by Count von Sickingen, Austrian ambassador in Paris."

83. STEINGRUEBER, Johann David. *Practische bürgerliche Baukunst mit den Haupt- und Specialrissen und Gesimslehren, zum gemeinnützlichen Gebrauch für Bauliebhaber, Zimmerleute, Maurer, Tischler etc.* 76 finely engraved plates (several folding or double-page) & four finely engraved headpieces. 7 leaves; 4 leaves; 4 leaves; 4 leaves. 4to, cont. green boards (a little faded). Nuremberg: C.G. Hauffe, 1773. \$2500.00

Second edition, greatly enlarged, of this notable work on domestic architecture; it was one of the standard works in Germany in the second half of the 18th century. Steingrüber (1702-87), was active in designing and overseeing the construction of a number of churches, towers, public buildings including town halls and hospitals, as well as many private houses. He served as "Bau-Inspector" for the Margrave of Brandenburg and is largely responsible for the splendid public and private buildings of Ansbach in Bavaria.

The fine engravings depict floor plans, cross-sections of houses and public buildings, decorative entrances, plans for interiors of churches, store fronts, panelling in rooms, decorative elements, etc., etc.

Fine copy. Old faint library stamp on title.

One of the Best Editions of Theophrastus

84. THEOPHRASTUS. *De Historia Plantarum Libri Decem, Graece & Latine. In quibus Textum Graecum variis Lectionibus, emendationibus, hiulcorum supplementis: Latinam Gazae versionem nova interpretatione ad margines: totum Opus absolutissimis cum Notis tum Commentariis: item rariorum Plantarum iconibus illustravit.* Finely engraved title-page (a trifle shaved at outer edge) & 675 woodcuts in the text. 11 p.l. (incl. engr. title), 1187 (i.e. 1185), [87] pp. Folio, cont. Dutch vellum over boards (upper joint with small split of 70 mm. at foot, minor pale dampstaining to first twenty leaves & last third of book), panelled in blind, central arabesque in blind to each cover, ties gone. Amsterdam: H. Laurentius, 1644.

\$8500.00

First edition to be edited by Joannes Bodaëus à Stapel; it "is one of the best and most thoughtfully prepared of all the editions of Theophrastos."—Hunt 240.

H.H. Bartlett wrote in his *Fifty-five Rare Books* (Ann Arbor: 1949) of this edition:

"It is interesting not only because of the brilliance of the editing, but, curiously enough, to the American botanist as well, for involving in the discussion certain species from Virginia, other parts of the New World, and Asia. The illustrations of these plants have been largely overlooked in botanical history, because of their incidental presence in a work which might not be expected to contain anything of the sort. Some were merely borrowed from l'Escluse or de Lobel, but others seem to be original in this work."

A fine and crisp copy. Bookplate of Piergiorgio Borio, M.D.

• D.S.B., XIII, pp. 328-334. See Garrison-Morton 1783.

*Most Substantial Agricultural Text Yet
Published in the United States*

85. VARLO, Charles. *A New System of Husbandry. From many years Experience, with Tables shewing the Expence and Profit of each Crop. That a Farm of a 150 Acres will clear 402l, 4s. sterl. a Year. How to stock Farms to the best Advantage, How the Crops are to follow each other by Way of Rotation. Of Trench-Ploughing, shewing how to raise good Crops without Manure. On Rearing, Breeding, and a new discovered Cheap Food for Cattle. Of Cabbage and Turnip Husbandry. Of the Naked Wheat, with many other new discovered Grains and Grasses suitable for the Land and Climate of America. Also shewing the great profit of Rabbit Warrens, and how to stock them. A Farmer's and Kitchen Garden Calendar. Of all Sorts of Manures, Marls, Clays, Sands, &c. A new invented Thrashing Floor. Also many chosen Receipts in Physic and Surgery, for the Human Species, and others for the cure of all Sorts of Cattle. To which are annexed a few Hints humbly offered for the perusal of the Legislators of America, shewing How to put a stop to runaway Servants.* Folding printed table in Vol. I. (with a short tear). 9 p.l., iv, [17]-364 pp.; 4 p.l., [5]-368 pp. Two vols. 8vo, cont. sheep (rubbed, occasional browning), spines gilt, red leather lettering pieces on spines. Philadelphia: Printed for the Author, 1785. \$1500.00

First American edition of the most substantial agricultural text yet published in the United States; it was published during Varlo's unsuccessful sojourn in America (see below). Varlo (ca. 1725-ca. 1795), was an agriculturist and inventor of a number of agricultural machines. The present book was first published in York in 1770.

"In 1784, while he was living in Sloane Square, in London, Varlo became involved in a somewhat ludicrous episode. He had bought papers and charters supposedly granted by Charles I to Sir Edward Plowden, entitling him to colonize New Albion (later New Jersey) in America. This attempt at colonization had failed and in Charles II's reign the charter was superseded by a new grant

to the duke of York. Armed with his papers (which were probably forgeries), Varlo went out to the American colonies in 1784 hoping to be recognized as governor of the province of New Jersey and to take over one-third of the territory. The case was tried before the colonial courts, but Varlo's claim was dismissed... Before returning to England he travelled for a year through New England, Maryland, and Virginia (where he met George Washington)." —ODNB.

The present American edition has been significantly revised. The preliminary leaves in the first volume vary from copy to copy: this has six preliminary leaves of subscribers, four for Philadelphia and two for Boston and other parts of New England.

Some browning but a nice set.

♣ Evans 19338. Rink, *Technical America*, 1100. Sabin 98636.

Carried by Goethe

86. VOLKMANN, Johann Jacob. *Historisch-kritische Nachrichten von Italien, welche eine Beschreibung dieses Landes, der Sitten, Regierungsform, Handlung, des Zustandes der Wissenschaften und insonderheit der Werke der Kunst enthalten.* Engraved frontis. in Vol. I & an engraved vignette on each of the three titles. xxxvi, 808 pp.; viii, 943 pp.; 4 p.l., 922, [55] pp. Three vols. 8vo, cont. speckled half-sheep & speckled boards (minor rubbing), contrasting leather lettering pieces on spines. Leipzig: C. Fritsch, 1777-77-78. \$2500.00

Second edition, greatly enlarged and revised (1st ed.: 1770-71), of the most popular German guidebook of the period to Italy and its art treasures. It contains not only Volkmann's own observations but also excerpts from contemporary French and English sources. Volkmann's work served as Goethe's chief guidebook during his own journey through Italy.

Fine and attractive set with the library stamp on title of the counts of Einsiedel of Reibersdorf (their library was sold by auction in Leipzig in 1928).

See the following item for the sequel

"His Travel Accounts had a Great Cultural & Historical Impact"

87. BERNOULLI, Jean (or Johann III). *Zusätze zu den neuesten Reisebeschreibungen von Italien nach der in Herrn D.J.J. Volkmanns historisch kritischen Nachrichten angenommenen Ordnung zusammengetragen und als Anmerkungen zu diesem Werke, sammt neuen Nachrichten von Sardinien, Malta, Sicilien und Grossgriechenland...* xiv, [2], 622 pp., 2 leaves of errata; x, 816 pp.; 3 p.l., 664, [26] pp. Three vols. 8vo, cont. speckled half-sheep & speckled boards (minor rubbing), contrasting leather lettering pieces

on spines. Leipzig: C. Fritsch, 1777-78-82. \$2500.00

First edition of Bernoulli's sequel to Volkmann's *Nachrichten*, the most popular German guidebook of the period to Italy and its art treasures. Bernoulli (1744-1807), a member of the prominent Swiss scientific family and astronomer royal in Berlin, was a universally knowledgeable child prodigy. "His frail health and encyclopedic inclinations hampered him in his practical scientific activities... On the other hand, his travel accounts had a great cultural and historical impact."—*D.S.B.*, II, p. 56.

Bernoulli enlarged upon Volkmann's book by travelling to Sardinia, Malta, Sicily, and Greece.

Fine and attractive set with the library stamp on title of the counts of Einsiedel of Reibersdorf (their library was sold by auction in Leipzig in 1928).

Washington's Letters on Agriculture

88. WASHINGTON, George. *Letters from His Excellency George Washington, to Arthur Young, Esq., F.R.S., and Sir John Sinclair, Bart., M.P., containing an account of his Husbandry, with his Opinions on Various Questions in Agriculture; and Many Particulars of the Rural Economy of the United States.* 128 pp. 8vo, cont. tree sheep (some browning due to the quality of the paper), red morocco lettering piece on spine. Alexandria: Printed by Cottom & Stewart, 1803. \$950.00

First collected edition and a very nice copy. The Young and Sinclair letters were originally published separately in 1801 and 1800, respectively. This is the first edition to contain both, published in Virginia within a few years of Washington's death. These letters offer perhaps the best picture from his own pen of Washington as an agriculturist and plantation owner, seeking to improve both his own lands and those of his country through this correspondence with two of the leading British agricultural theorists.

Fine copy. Stamp of the George Sverdrup Library, Augsburg College on paste-down endpapers.

☛ Church 1296. Howes W138.

The Anatomical Collection at Greifswald

89. WESTPHAL, Andreas. *Verzeichniss der Präparaten, welche auf dem Anatomischen Theater der Akademie zu Greifswald befindlich sind. Nebst einer Vorrede von dem Einfluss der Zergliederungskunst in die Glückseligkeit eines Staats.* 3 p.l., 38 pp. Small 4to, self-bound (title a little dusty). Stralsund: H.J. Struck, [dedication dated 1 May 1760]. \$4950.00

First edition of this very rare account of the anatomical specimen collection preserved in the anatomical theater at the medical school of the University of Greifswald in northern Germany. The medical school traces its roots back to the

founding of the university in 1456, and is one of the oldest such institutions in Europe.

Westphal (1720-88), professor of medicine at Greifswald, was a "sehr gelehrter Arzt" (Hirsch) and a productive author. He gives brief descriptions of the 175 specimens and on pages 28-38 more fully discusses several of the most special specimens.

Fine copy. WorldCat lists no copy outside of Germany.

♣ Hirsch, V, p. 913.

Dr. Williams' Library: an Early Public Library

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

Second edition (1st ed.: 1727), enlarged. "The library was founded in pursuance of the will of Dr. Williams (an eminent protestant dissenting minister of the 17th century), who died in the year 1716. With a view to the formation of a public library, he had purchased, in his lifetime, the valuable collection of Dr. Bates, to which he directed, by his will, that his own should be added. Of these a catalogue was printed, in one volume, 8vo, in 1727, some considerable time before a public library was opened; and the catalogue was published previously to the opening of the library, as the preface informs us, in order to induce other munificent and public-spirited persons, and lovers of literature, to contribute to its augmentation. Considerable donations to this library have accordingly been made from time to time; the whole are given in the present catalogue, alphabetically, according to languages. . . . This library is conducted with great liberality to the public: it contains some curious MSS. and portraits, and many rare articles among the printed books."—Horne, pp. 625-26.

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

Fine and handsome copy.

*A Handsome Collection of Most of Young's
Agricultural Writings*

91. YOUNG, Alexander. A fine collection of most of his agricultural writings, all in 8vo, handsomely bound in cont. half russia and marbled boards (head of one spine carefully repaired, minor wear to corners), flat spines gilt. Ten works (including two by other authors) bound in 19 vols. \$5000.00

Arthur Young (1741-1820) "was not only the best-known agricultural reformer and publicist of his time, with an international reputation, but also a figure of

importance in the political and social issues of the day. He had an extraordinary capacity for work...In an age of hazardous roads he travelled many thousands of miles, a high proportion of them on horseback or on foot, and he still found energy to write up his day's notes and perhaps some letters in his inn room at night. Some modern historians have criticized his agricultural work and have compared him unfavourably with his rival, William Marshall, but it is often overlooked that their approaches were different: Marshall gave an account of the farming of a region as a whole, while Young was not concerned with presenting a rounded picture of contemporary farming; his interests lay entirely in reporting on new advances and condemning old and inefficient methods. His enthusiasm often led him into hyperbole, but he was realistic in appreciating that farmers would only take up what could be shown to pay. Some of his own experiments were misconceived, but in his day the true factors in plant growth were far from understood. As a pioneering scientific spirit he was very widely respected, and his knowledge, wit, and pleasant personality made him welcome in both aristocratic mansion and modest farmhouse."—ODNB.

Engraved armorial bookplate in each volume of the Earl of Granard.

The collection:

1. *A Course of Experimental Agriculture: containing an exact Register of all the Business Transacted during Five Years on near Three Hundred Acres of various Soils; including a Variety of Experiments on the Cultivation of all Sorts of Grain and Pulse, both in the Old and New Methods. The Whole Stated in near Two Thousand Original Experiments.* Three folding engraved plates. 4 vols. Dublin: Printed for J. Exshaw et al....1771. First Irish edition.

2. *A Six Weeks Tour, through the Southern Counties of England and Wales.* Folding engraved frontis. London: W. Strahan et al., 1769. Second edition, corrected and enlarged.

3. *A Six Months Tour through the North of England. Containing, an Account of the Present State of Agriculture, Manufactures and population, in several Counties of this Kingdom.* 29 engraved plates (mostly folding) & six folding printed tables. Four vols. London: W. Strahan et al., 1771. Second edition, corrected and enlarged.

4. *The Farmer's Tour through the East of England. Being the Register of a Journey through various Counties of this Kingdom, to enquire into the State of Agriculture, &c.* 29 engraved plates on 28 sheets (many folding) & one printed folding table. Four vols. London: W. Strahan et al., 1771. First edition.

5. *The Farmer's Letters to the People of England: containing the Sentiments of a Practical Husbandman, on various Subjects of great Importance: Particularly the Exportation of Corn. The Balance of Agriculture and Manufactures. The present State of Husbandry...* 12 engraved plates (some folding & misnumbered). Two vols. London: W. Strahan et al., 1771. Third edition, corrected and enlarged.

6. *The Farmer's Guide in Hiring and Stocking Farms. Containing an Examination of many Subjects of great importance both to the common Husbandman, in hiring a Farm; and to a Gentlemen on taking the Whole or Part of his Estate into his own Hands. Particularly, The Signs whereby to judge of Land.* Lacking the ten plates. Two vols.

London: W. Strahan et al., 1770. First edition.

7. *Rural Oeconomy: or, Essays on the Practical Parts of Husbandry. Designed to explain several Methods of conducting different Farms; Including Hints to Gentlemen Farmers relative to the oeconomical Management of their Business.* London: T. Becket, 1773. Second edition, corrected.

8. *Gleanings from Books, on Agriculture.* Folding engraved frontis. London: Printed by W. Smith...sold by Johnson, 1801. First edition.

9. [BOSWELL, George]. *A Treatise on Watering Meadows.* London: J. Debrett, 1801. Fourth edition, with many additions.

10. FRASER, Robert. *Gleanings in Ireland; particularly respecting its Agriculture, Mines, and Fisheries.* Engraved folding frontis. London: W. Bulmer et al., 1802. First edition.

92. [YOUNG, Arthur]. *The Farmer's Letters to the People of England: containing the Sentiments of a Practical Husbandman, on various subjects of great Importance: Particularly The Exportation of Corn. The Balance of Agriculture and Manufactures. The present State of Husbandry. The Circumstances attending large and small Farms. The present State of the Poor. The Prices of Provisions. The Proceedings of the Society for the Encouragement of Arts, &c. The Importance of Timber and Planting. Emigrations to the Colonies. The Means of promoting the Agriculture and Population of Great Britain, &c. &c. To which are added, Sylvae: or, Occasional Tracts on Husbandry and Rural Oeconomics.* 3 p.l., 482 pp. 8vo, cont. speckled calf (upper joint expertly repaired), single gilt fillet round sides, spine gilt, red morocco lettering piece on spine. London: W. Nicoll, 1768.

\$1250.00

"The second edition, corrected and enlarged" of Young's first book. "The book supported the bounty on the export of corn and introduced some of his enduring themes: the cultivation of waste lands, enclosure as a preliminary to improvement, and the superiority of large farms."—ODNB.

"The energy, the enthusiasm, the ambition and the insatiable curiosity of the youthful Arthur Young launched him...into a career of farm reporting (and later, of the administration of a tentative essay in national agricultural education) which for comprehensiveness, scope and intensity has never since been equalled."—Trow-Smith, *A History of British Livestock Husbandry 1700-1900*, p. 70.

Of particular interest here is the long seventh chapter on population and poverty. There are also references to the North American colonies.

A fine and handsome copy. Engraved armorial bookplate of James Hallett.

93. [YOUNG, Arthur]. *The Farmer's Guide in Hiring and Stocking Farms. Containing an Examination of many Subjects of great Importance both to the common Husbandman, in hiring a Farm; and to a Gentlemen on taking the Whole or Part of his Estate into his own Hands. Particularly, The Signs whereby to judge of Land. The Points to be attended to in hiring a Farm. The Quantity of Land of every Sort proportioned to a given Sum of Money. The most advantageous Method of disposing of any Sum from 50 l. to 20,000 l. in Husbandry on cultivated or uncultivated Soils. The Means of rendering Agriculture as profitable to Gentlemen, as to common Farmers; and as beneficial a Profession as any other. Hints to those Gentlemen who farm for Pleasure alone. Also, Plans of Farm-yards, and Sections of the necessary Buildings...* By the Author of *The Farmer's Letters*... Ten plates (eight are engraved & two are woodcuts). 1 p.l., ii, 458 pp., one leaf of ads; 1 p.l., ii, viii, 500 pp. Two vols, cont. marbled boards with attractive antique calf spines, spines gilt, red morocco lettering pieces on spines, uncut. London: W. Strahan et al., 1770. \$2500.00

First edition of the most comprehensive guide to farm management published in the 18th century. Young's aim in this work was to show how any given amount of capital might best be spent in agriculture. Young always considered a farm as a business venture from which profits were to be made. There is a very interesting chapter describing the farmyard and its buildings which are illustrated on the two folding engraved plates. They very probably are representations of Young's own farm.

A fine uncut set. Woburn Abbey bookplate.

94. YOUNG, Arthur. *An Abridgment of the Six Weeks, and Six Months Tours...through the Southern, and Northern Counties of England and Part of Wales. Containing, All the most important Articles of Information relating to Agriculture, now in Practice in the best cultivated Counties, with some Accounts of the successful Culture of Lucerne, Cabbages, &c. &c. Intended for the Use of the Common Farmers of Ireland. Abridged at the Request of the Dublin Society.* By John Wynn Baker, F.R.S. Folding engraved frontis. 15, [1], 328 pp. 8vo, cont. sprinkled calf, spine gilt. Dublin: S. Powell, 1771. \$1350.00

First edition of this amalgamation of Young's *Six Weeks Tour through the Southern Counties* (1768) and *Six Month' Tour through the North of England* (1769). Baker (d. 1775) published several works suggested by Young under the auspices of the Dublin Society. "Arthur Young thought all these books very valuable...and would have been pleased to edit them for publication in England, where they were very scarce, if he could have found a bookseller prepared to guarantee him against loss, but he could not do so. His opinion was shared by

the Royal Society, which elected Baker a Fellow in 1771, and by the Royal Society of Arts."—Fussell, II, p. 53.

"Young was an honorary member of the Dublin Society and probably attended some of its meetings. He praised the Society for many of its activities but felt that it spent too much of its generous parliamentary appropriations upon manufacturing and commerce and too little on agriculture. He especially criticized its attempts to foster the silk manufacture. He urged the Society to re-establish a model farm like that formerly operated by John Wynn Baker, but preferably located in a wasteland, not near Dublin. It should not attempt experiments but should rather exhibit practices well established. He also proposed a series of premiums to stimulate Irish agriculture — for the culture of turnips, beans, and flax as parts of rational crop rotations, for the improvements of mountain and bog lands, and for tree planting."—Gazley, *The Life of Arthur Young*, pp. 121-22.

The engraved frontispiece plate, which is folding, depicts a number of farming implements.

A very good copy and quite rare.

Inscribed by the Author

95. YOUNG, Arthur. *Political Arithmetic. Containing Observations on the Present State of Great Britain; and the Principles of her Policy in the Encouragement of Agriculture. Addressed to the Oeconomical Societies established in Europe. To which is Added, A Memoir on the Corn Trade: Drawn up and laid before the Commissioners of the Treasury. By Governor Pownall.* xii, [4], 366 pp., one leaf of ads. 8vo, orig. wrappers (spine a little defective with portions perished), uncut. London: W. Nicoll, 1774.

\$2500.00

First edition, presentation copy, inscribed "From the Author" on the free front endpaper. This is the most complete statement of Young's general economic philosophy, and is considered to be one of his best books. His reputation as an economist rests primarily upon it and several translations into other European languages were immediately made.

In this work Young discusses a wide range of politico-economic subjects, including taxation, prices, food, population, and the balance of trade. He further devotes a considerable section of the book to an examination of false propositions including a reply to Quesnay's *Maxims* in the *Encyclopédie*."

Fine copy, preserved in a box.

96. YOUNG, Arthur. *A Tour in Ireland: with General Observations on the Present State of that Kingdom: made in the Years 1776, 1777, and 1778. And*

brought down to the end of 1779. Five engraved plates (three are folding) & one woodcut in the text. 1 p.l., xxiv, 539, [1] pp; 1 p.l., 416 pp. Two vols. 8vo, cont. speckled calf, flat spines gilt, red morocco lettering pieces on spines. London: H. Goldney for T. Cadell, 1780. \$1500.00

Second edition (the first edition appeared earlier in the same year) and a handsome set. This work "was well received at the time, and has since become a valuable source as one of the few accounts of conditions in Ireland at this time. Among other subjects Young had much to say on commercial policy and the activities of the Dublin Society; and in addition Young attacked the practice of subletting land to middlemen and made some interesting observations on the living conditions of the poor."—ODNB.

Fine set.

97. YOUNG, Arthur. *Travels during the Years 1787, 1788, and 1789. Undertaken more particularly with a View of ascertaining the Cultivation, Wealth, Resources, and National Prosperity, of the Kingdom of France.* Three folding engraved maps (one handcolored). viii, 566, [4] pp. Large 4to, cont. calf (rebacked), single gilt fillet round sides, spine gilt. Bury St. Edmund's: J. Rackham for W. Richardson, 1792. \$1500.00

First edition of the great agriculturalist's only account of his travels abroad, and the best English description of France at the end of the 18th century, with a particularly vivid account of the earliest days of the Revolution. There is additional information about northern Italy and Spain.

"The interest of *Travels in France* is enhanced by the accounts of lands that were for the most part strange to Young and unknown to many of his readers. His commentaries, in consequence, were broad in scope, and in addition to farming, described aspects — the scenery, roads, inns, manners, and the signs of wealth or poverty — which in England he would have taken for granted or passed over in a very few words. His visits to France took place in a period which saw the beginnings of the revolution, and this gives his first-hand accounts an importance which is almost as vital now as it was to those who lived through these years. Indeed, historians on both sides of the channel have drawn heavily on Young for his view of France at this critical juncture."—ODNB.

Very good copy. Engraved bookplate of the Trelissick Library of Cornwall.

Perhaps His Most Influential Pamphlet

98. YOUNG, Arthur. *The Example of France. A Warning to Britain.* 4 p.l., 182, [6] pp., one leaf of ads. 8vo, attractive modern calf, Greek key motif in gilt round sides, spine nicely gilt, red morocco lettering piece on spine.

Bury St. Edmund's: J. Rackham for W. Richardson, 1793. \$1250.00

Second edition, enlarged. The first edition was published earlier in the same year; this work quickly ran to four editions and was translated into French, German, and Italian. Young's earlier *Travels to France* (1792), though acknowledged as a first-rate work, had been considered rather too uncritical of the French Revolution to gain much readership in England.

"Young's experiences in France brought about a permanent change in his political views. From being a liberal and a reformer, by 1792 he had become an opponent of the revolution and a conservative in English matters. He was highly critical of the *ancien régime* but, equally, he attacked the excesses of the revolution, and now he was fearful of the consequences of reform in England, necessary though it was. In France he had seen destitute aristocrats sheltering in inns from the destruction of their châteaux, and he now received the dreadful news of the murder of his friend the duc de la Rochefoucauld, while another friend, the duc de Liaincourt, had taken refuge as an emigré in Bury St Edmunds. What was perhaps his most influential pamphlet, *The Example of France a Warning to Britain*, appeared in 1793 and reflected his changed views."—ODNB.

Fine copy.

The Very Fine Schönborn-Buchheim Set

99. **YOUNG, Arthur.** *Le Cultivateur Anglois, ou Oeuvres choisies d'Agriculture, et d'Economie rurale et politique...* Traduit de l'Anglois par les CC. Lamarre, Benoist et Billecocq; avec des Notes par le citoyen Delalauze. 73 engraved plates on 72 sheets (many folding), of which one is finely handcolored, & six folding printed tables. 18 vols. 8vo, cont. half-calf & speckled boards, flat spines gilt with wheat sheaf & sunburst stamps in alternating compartments, pale blue morocco lettering pieces on spines. Paris: Maradan, 1800-01. \$2500.00

First edition in French of the collected works of Arthur Young (1741-1820). Young's writings were very influential in France.

This is the very fine Schönborn-Buchheim set. A few corners have minor wear or rubbing.

100. **[YOUNG, Arthur].** *General View of the Agriculture of Hertfordshire. Drawn up for the Consideration of the Board of Agriculture and Internal Improvement.* By the Secretary of the Board. One folding handcolored engraved map & nine engraved plates (two folding). [iii]-xix, 236 pp. 8vo, cont. calf (rebacked, minor foxing). London: Printed by B. McMillan for

G. & W. Nicol et al., 1804.

\$1350.00

First edition, published in the great series initiated by the Board of Agriculture from 1793, of which Young was secretary. Young's account of Hertfordshire is generally recognized to be one of the best in the series.

Very good copy with the bookplate of Robert Clutterbuck (1772-1831), author of *The History and Antiquities of the County of Hertford* (1815-27). Half-title lacking.