

Engineering & Early Printing Collection

of Jaroslav Josef Polívka



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Authors

Alberti	Mallet	Polidoro
Bélibor	Missiessy	Redelykheid
Bélibor	Montano	Surirey De Saint-Remy
Dürer	Penther	Zusto

Introduction

The books presented in this catalogue are from the collective ownership of structural engineer and architect, Jaroslav Joseph Polívka (1886–1960) and his son, civil engineer and U.C. Berkeley Professor Milos Polívka (1917–1987). Many of the items in this collection bear the ex libris stamp of Jan Polívka, Jaroslav’s eldest son, although they were not intended for his library. The history of this family and the realization of this collection is fascinating.

The main collector of these works on civil engineering and architecture was Jaroslav. He is best known for his essential structural collaborations with Frank Lloyd Wright on the Guggenheim Museum in New York and the Johnson Wax Research Tower in Racine, Wisconsin.

Jaroslav was already an established architect and engineer in Czechoslovakia before he emigrated to the United States. Architectural historian Barry Muskat wrote the following overview of Jaroslav’s life:

After earning engineering and doctoral degrees, [he] began his professional career, which was interrupted when, at age 31, he was conscripted to serve in World War I. Returning to Prague after the war, he opened an architectural and engineering office where he developed hands-on skills working with new materials, including reinforced concrete and steel, precast forms, and glass as a structural element.... Two particular projects gave Polívka international exposure. First, he partnered on the design of the daring Czechoslovakian Pavilion for the Paris Exposition of 1937, where a sleek steel skeleton was sheathed in a smooth skin of glass. Another major project, the Czech Pavilion for the New York World’s Fair of 1939 gave him the opportunity to emigrate to America.

As a researcher and lecturer at the University of California, Berkeley, Polívka founded the Photo-elastic Laboratory where he continued to refine advances in his stress-analysis specialty. An ardent admirer of Frank Lloyd Wright, Polívka’s ability to adapt and his knowledge of latest technologies gave him significant credibility and success.

Then, a simple event changed the course of his career. In 1946, Wright was quoted in Architectural Forum as saying that engineers were ‘complete damn fools!’ Although this insult must have been offensive to many engineers, Polívka sent Wright an enthusiastic letter: ‘I am writing as an old admirer of you and your work.’

Referring to Wright’s comment, Polívka wrote, ‘You may be right since the engineers in their structural conceptions are very seldom guided by eternal laws of Nature. Take for example cobwebs of a spider which definitely should be studied by an engineer whose specialty is to build suspension bridges, he continued... The average engineer knows only beams, girders, columns, and any deviation from these every day tools is considered as unusual, crazy, or dangerous. For many years I was grappling with this prejudice. Your work confirms and fortifies my ideas and that’s why I am so grateful to you.’ The letter resulted in an invitation to Wright’s home at Taliesin, launching a relationship between the two men that continued until Wright’s death, more than thirteen years later.¹

1. From an article on Jaroslav Polívka by Barry Muskat: <https://library.buffalo.edu/news/2018/01/05/polivka-engineering-the-organic/>

Jaroslav’s youngest son, Milos Polivka (1917–1987), was his first child to leave Czechoslovakia. He immigrated to the United States in 1938 to assist his father in overseeing the construction and opening of the Czech Pavilion at the World’s Fair. After working on the East Coast for a few years he came to Berkeley in 1941, reuniting with his parents. He enrolled in the Civil Engineering Department at UC Berkeley, where he received a B.S. degree in 1944 and an M.S. Degree in 1948. He was then hired as a faculty member and went on to teach at the University for 33 years, during which time he served as the Chairman of the Division of Structural Engineering and Structural Mechanics for four years and Assistant Dean of the College of Engineering for an additional year. He made significant contributions to the science and technology of concrete and was the author or co-author of more than 70 publications on the properties of concrete. He is also recognized for his research findings in the areas of thermal stresses and creep in mass concrete, behavior of expansive cement concrete, and properties of concrete behavior for nuclear reactors. Milos’ ex libris stamp appears on a few of the books in this collection.

Jaroslav’s eldest son, Jan Polívka (1916–2001), immigrated to the United States in 1939. During World War II, between May 1944 and September 1945, he served in northern Europe as an intelligence officer during the Battle of the Bulge. During this time, he bought many books for his father and mailed them back to him. Jan’s ex libris stamp appears on many of the books in this collection as he would stamp them before gifting them to Jaroslav. After the war, Jan entered Columbia University and received his B.S. degree in Civil Engineering in just 2 ½ years, graduating in 1948. After graduation, he then came west to Berkeley to reunite with his family. While in the Bay Area, he worked as an engineer for both the East Bay Municipal Utility District and Kaiser Engineers. Then, in 1952, he moved back to New York in order to be close to his wife’s family, where he worked for 10 years in responsible positions with several engineering companies before retiring after 25 years as a Senior Engineer with the NYC Transit Authority.

There are archives of Jaroslav’s work at the State University of New York (SUNY), The Bancroft Library at UC Berkeley, The National Technical Library in Prague, and at the Center for Studies and Experimentation in Public Works (CEDEX) in Madrid.

Thank you to Barry Muskat for permission to reprint the above article. We are grateful that Jeremy Norman made available to us his copies of Mark E. Andrews’s wonderful bibliographic reference books on civil engineering. Also, a special thank you to Jaroslav’s grandson Ron Polívka for his efforts to preserve Jaroslav’s legacy and his input on this catalogue.²

2. Ron is also an engineer, as is one of his sons, making it four consecutive generations of Polívka engineers.

Alberti, Giuseppe Antonio: *Istruzioni pratiche per l'ingegnere civile, O sia Perito Agrimensore, e Perto d'Acque, di Giuseppe Antonio Alberti Bolognese. Nuovamente ristampato coll' aggiunta di molte cose utili e necessarie, e particolarmente il modo con cui si districuiscono per gradi le spese pei lavori e riparazioni de' Fiumi, e il modo di fabbricar Fontane, ed in Fine la nuova Diptra, e Squadra Monicometra ec.*

Venice: Appresso Gio: Battista Regurti con Licenza de' Superiori, e Privilegio, MDCCLXI [1761]. In Italian. 245×175 mm (10×7 in.) 8vo. XII, 303 pp. (numerous pagination errors, but complete.) Woodcut device on title page, 35 intricately engraved folding plates with in-depth descriptions of each, historiated initials at the beginning of each section. Very good. Contemporary wrappers, library label mounted onto upper wrapper, "Albertt Ingeg:a" in manuscript on spine, red ink ex libris stamp of Milos Polívka on recto of front free endpaper, occasional faint foxing, untrimmed, a few leaves unopened.

Together with the following laid-in interesting ephemera: Three small typewritten notes translating the title and figures into English; a bookseller's description notecard from the time of purchase; and a diagram on laid paper measuring 190 × 170 mm. Per discussion with Ron Polívka, the typewritten notes are by Milos Polívka and the diagram is likely by Jaroslav Polívka.

The expanded edition of Giuseppe Alberti's comprehensive work on practical instructions for civil engineers (first edition published in 1748.) Included are practical Instructions for the civil engineer, or water surveyor with additional focus on expenses for the works and repairs of rivers and on how to build fountains. In the preface, Alberti writes that there is a dearth in literature that contains all aspects of engineering in one book. [Here he proposes to finally make all information available to the aspiring civil engineer with 35 meticulously drawn engravings that are described in great detail.](#)

Alberti (1712–1768) was an architect and engineer of roads and canals. He invented a number of topographic instruments and wrote several books on technical subjects ranging from applied mathematics to civil engineering to fireworks.

Bound with:
Alberti, Giuseppe Antonio: *Nuova dioptra monicometra da usari sopra la tavoletta pretoriana, Per misurare con precisione, e in un sol colpo, fenza uopo di misuratore, e fenza alcun colcolo, qualsivoglia distanza anche inaccessibile da misurarsi. Coll'aggiunta della squadra monicometra, e di una Scala, la quale benchè piccola dà nelle misure lineari non solo le pertiche e i piedi, ma le oncie ancora, e usata per le misure superficiali nel Parallelogramo Trigonometrico, dà oltre le Tornature, e pertiche anche i piedi, e se si vuole le oncie ancora.*

Venice: Apresso Gio: Battista Recurti, MDCCLVIII [1758]. In Italian. 19, [1] pp. Woodcut vignette on title page, woodcut headpiece, historiated initial, 2 engraved folding plates. A5 and A6 detached from gathering, untrimmed. About very good.

A short treatise on the use of Alberti's own invention: the "dioptra monicometra" a surveying instrument that measures angles. Comes highly recommended by Riccardi.

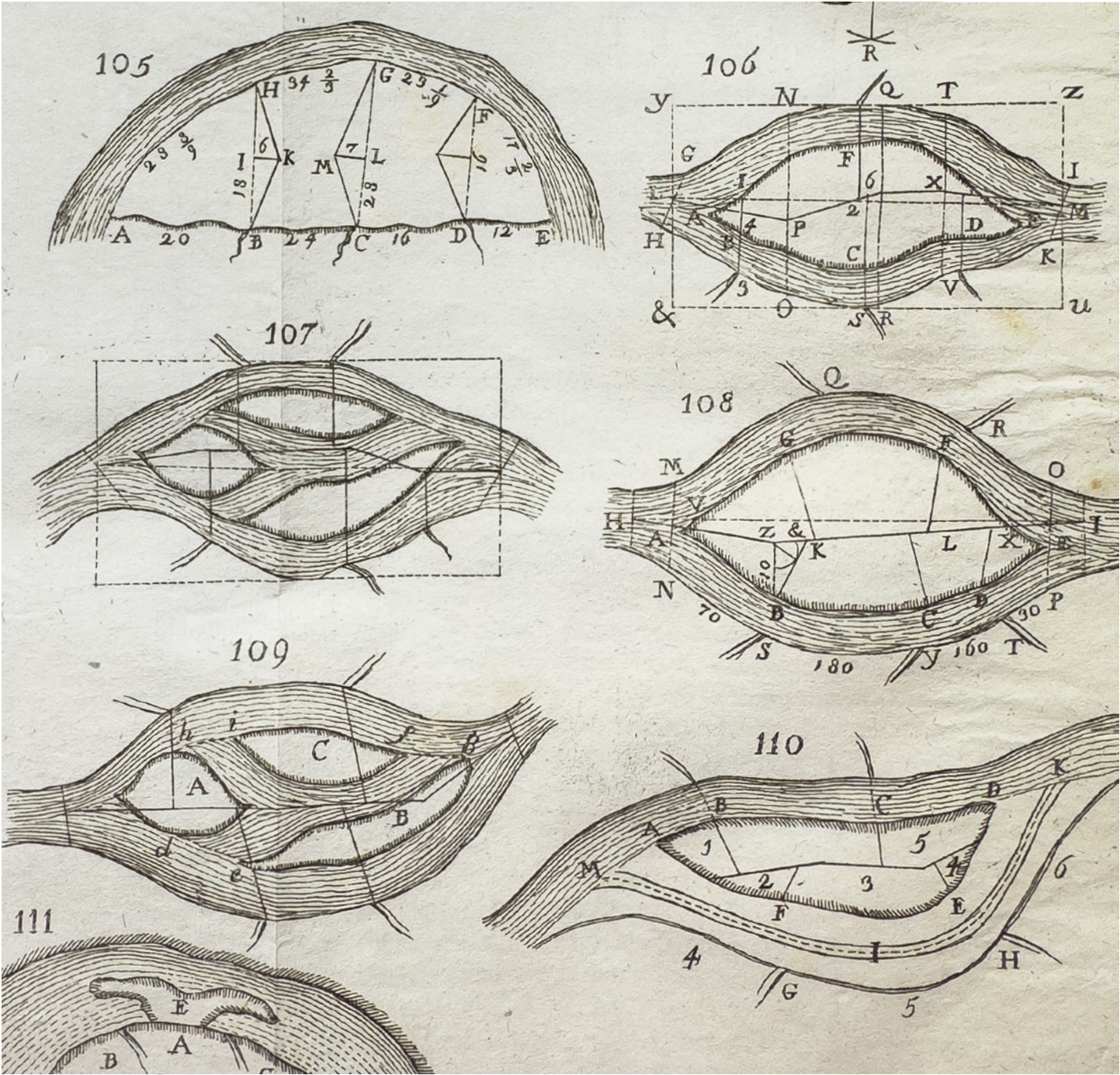
On the final page is a list of other works written by Alberti.

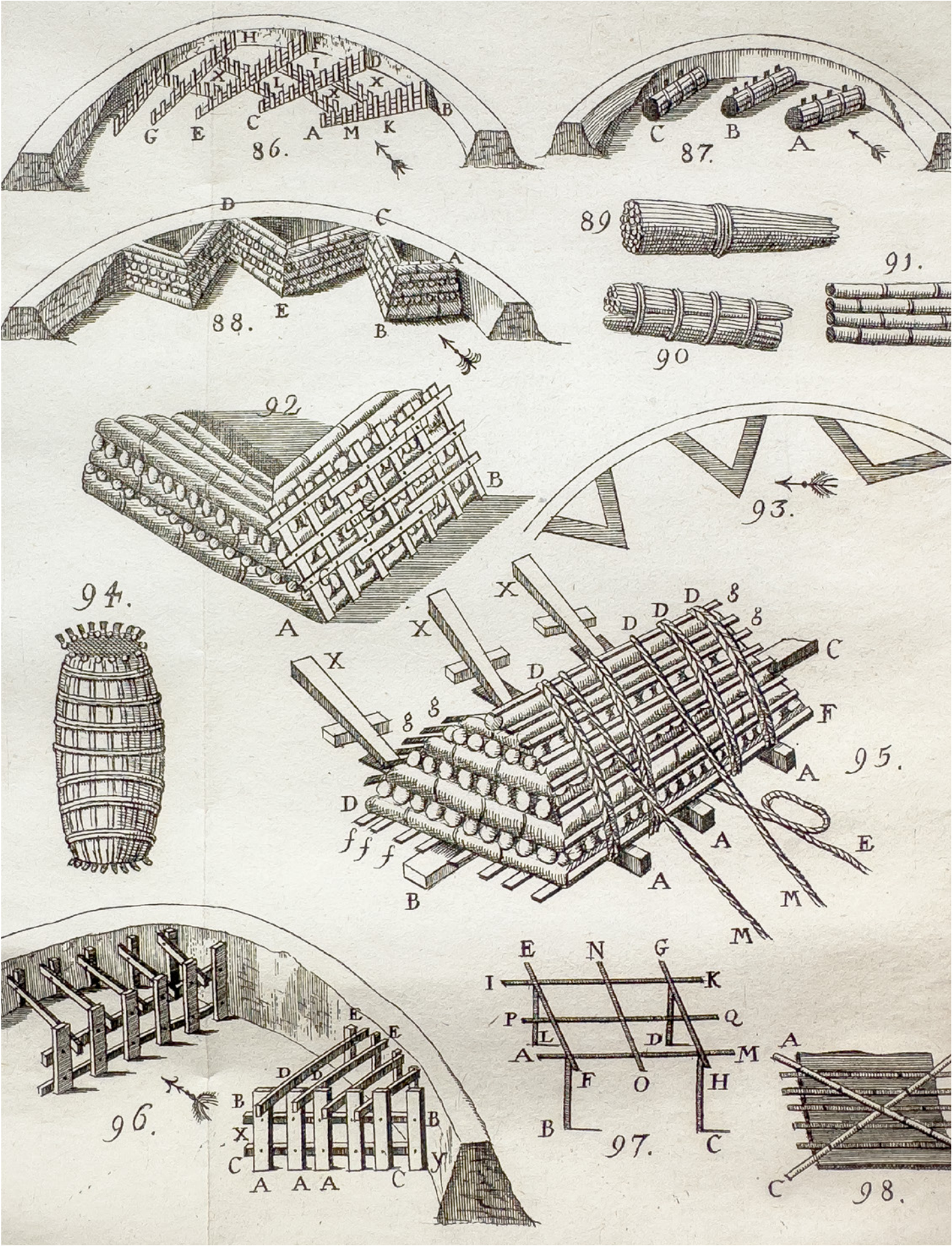
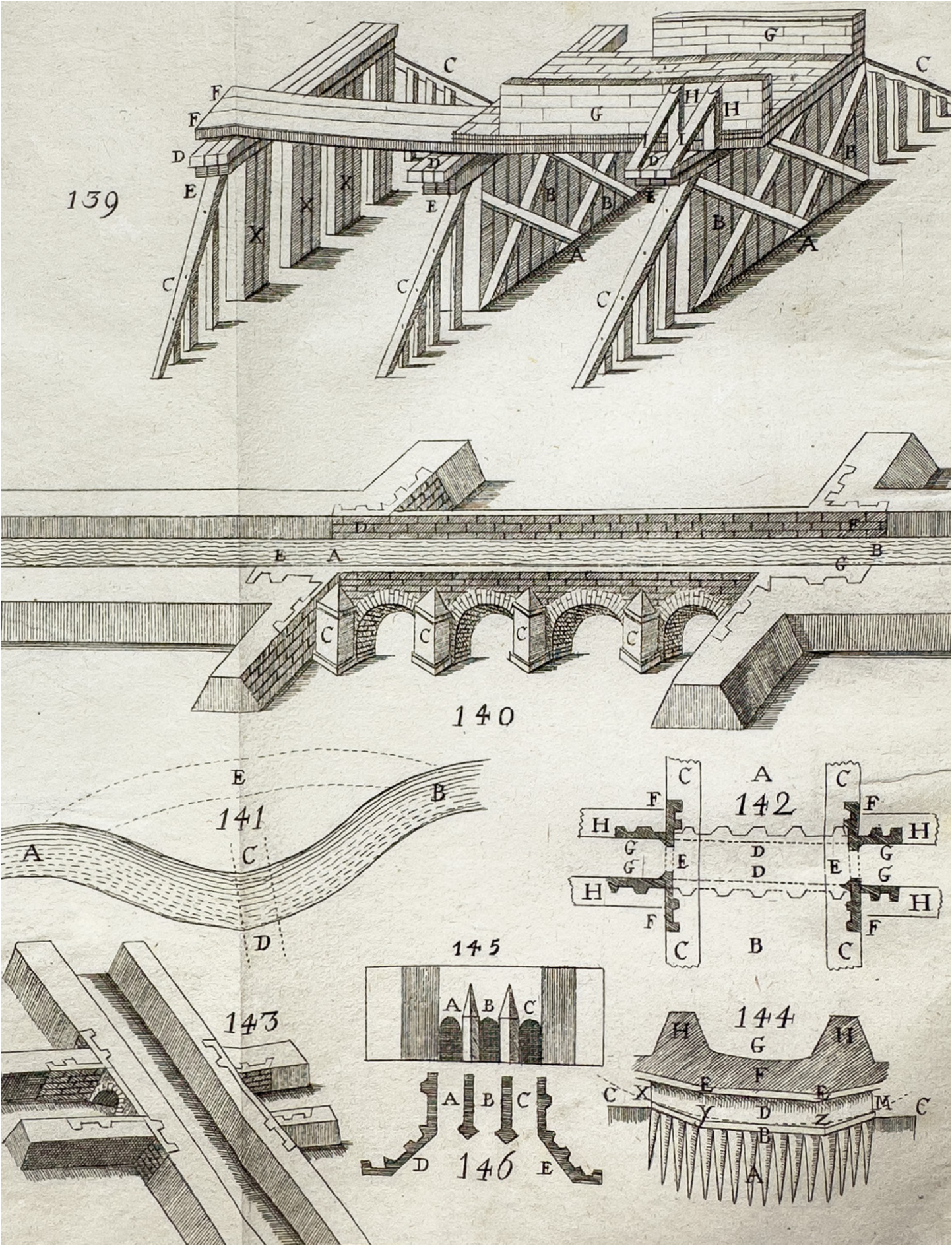
From the library of Jaroslav Polívka.

OCLC: New York Public Library, Smithsonian, University of Delaware, and University of Oklahoma, and four locations outside of the United States.

Bibliography: Riccardi I, 15–17.

\$1,250





First Edition on Water Hydraulics

Bélibor, Bernard Foret De

Bélibor, Bernard Foret De. *Architecture Hydraulique, ou l'Art de Conduire, d'Élever, et de Ménager les Eaux Pour les Differens Besoins de la Vie. Premiere Partie, Tome Premier.* Par M. Belidor, Commissaire Provincial d'Artillerie, Professeur Royal des Mathématiques, aux Ecoles du même Corps, Membre des Académies Royales des Sciences d'Angleterre & de Prusse, Correspondent de celle de Paris.

Paris: Rue S. Jaques, Chez Charles-Antoine-Jombert, Libraire de l'Artillerie, & du Génie, à l'Image Notre-Dame. MDCC XXXVII [1737]. In French. 275 × 210 mm (11 × 8 in.) 4to. 4 p.l., XI, [5], 412 pp. (pages 389–404 read as “289–304”) Engraved frontispiece, title page printed in red and black, woodcut device on title page, engraved vignette and engraved historiated initial on 2nd p.l., woodcut vignette on page [5], large engraved headpiece on p. 1, large engraved headpiece on p. 277, 45 folding engraved plates. About very good. Contemporary mottled calf, spine in six compartments, raised bands, four compartments ornately gilt, 2 red Morocco spine labels, spine worn and cracking at hinges, small piece of spine detached (but present), edges of boards rubbed, red edges, marbled endpapers, early bookseller’s description mounted onto upper pastedown, contemporary stamp of “Capt*Higgins*” appears occasionally, black ex libris stamp of “Juc. Jan Polívka” on recto of front free endpaper, internally fresh and crisp, folding engraved plates in excellent condition.

First Edition of the first volume (of four) of Bernard Foret de Bélibor’s highly influential work on the principles of mechanics and hydraulics. The volumes were released 1737–1753.

In the first part of this volume Bélibor carefully explicates these concepts, starting with the general principles of mechanics; the properties of wheels and pulleys and other such conductors of movement; the rule of movement and

the impact of bodies; accelerated movement; and friction and how to calculate its effect on machines. He then goes on to describe how water moves when it is enveloped by either vertical or inclined surfaces and how it flows through either rectilinear or vertical conduits.

In the second part of this volume Bélibor uses the basic workings of a grain mill to inform more sophisticated machinery such as machines powered by water that can saw wood, make cannon powder, and grind cement.

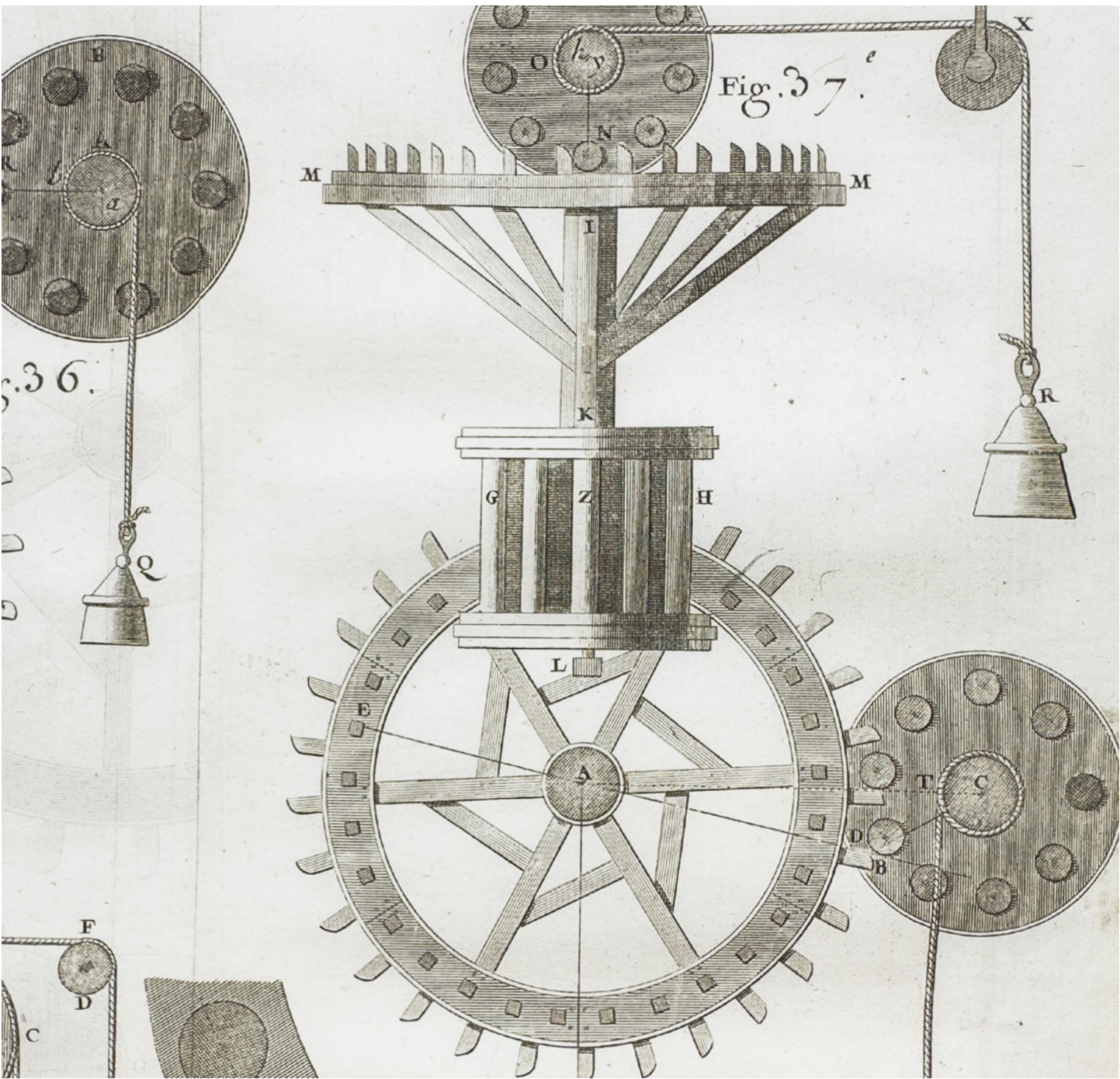
With a lovely, engraved frontispiece depicting a pump house containing the machinery to raise the water supply for fountains and canals in a landscape garden as well as one large engraved headpiece at the beginning of both sections, all by Rigaud. Also included are forty-five intricately drawn folding engraved plates illustrating each concept presented by the author.

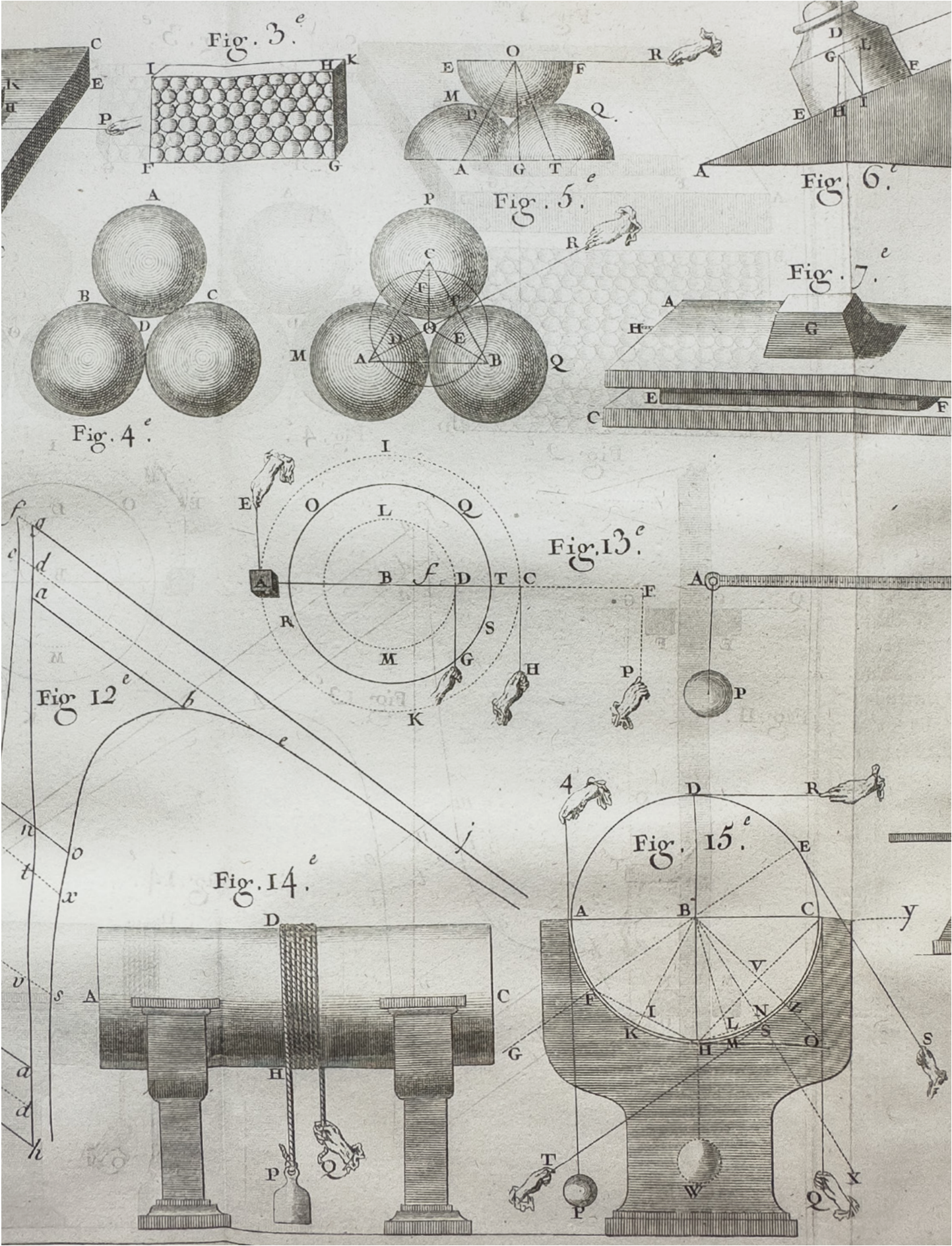
Bernard Foret de Bélibor (1698–1761) was a mathematician who became recognized by the Duc d’Orleans and was thus employed as the professor of mathematics at the new artillery school at La Fère. He was a prolific writer and his “work unexpectedly ushered in a new science of mechanical engineering unknown at the time of the first editions of *Architecture Hydraulique* and *La science des Ingénieurs*. His practical ideas and solid engineering expertise influenced the preceding two generations of scientists who became mechanical engineers after him.” (Encyclopedia.com)

With the ownership stamp appearing occasionally of “Captain Higgins” as well as the ex libris stamp of Jan Polívka. From the library of Jaroslav Polívka.

Bibliography: Brunet I, 740; Graesse I, 324; Ornamentstichsammlung Berlin 3555; Poggendorf I, 138.

\$495





First German Edition on Water Hydraulics

Bélibidor, Bernard Foret De

Bélibidor, Bernard Foret De. [Scarce first German edition of the first ten installments of Bernard Foret de Bélibidor's highly influential work on the principles of mechanics, hydraulics, and hydraulic engineering. \(Published 1740–1746.\) In very good condition.](#)

A note on editions: The printing history of this work is complex because it was published in 24 parts originally released over decades, in multiple editions, and in various countries. So many editions were printed that by 1813 the plates were so worn that they had to be newly engraved.

Part one, which contains four books, was first published in France starting in 1737. Publication of part two commenced in France in 1753.

We have a First German edition. Part one was initially published in German starting in 1740 (with a total of 12 installments appearing through 1750). Part two was first published in German in 1766, a full 16 years after part one (and five years after Bélibidor's death in 1761). Ergo, for early German editions, it is a statistical improbability for part one and part two to be together in a contemporary state.

A later revised German edition (*verbesserte Auflage*) was published starting in 1764 (and running through 1775). That later edition combined part one and part two and appears in a four-volume set. It is this later edition that most commonly appears on the market.

On offer here are the first ten installments (of 12) of part one of the First German edition.

A note on the pagination: In OCLC there is much variation as to which volumes are bound together.

The ten installments in our book are divided by ten title pages as follows:

- [Installment 1: book 1; chapters 1 & 2]
- [Installment 2: book 1; chapter 3]
- Installment 3: book 2; chapter 1

- Installment 4: book 2; chapter 2
- Installment 5: book 2; chapter 3
- Installment 6: book 2; chapter 4
- Installment 7: book 3; chapters 1, 2 & 3
- Installment 8: book 3; chapter 4
- Installment 9: book 3; chapter 5
- Installment 10: book 4; chapters 1 & 2

Below we divide each volume according to title page and for clarity's sake have underlined the section and installment information as it appears in the title.

Installment one:
Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. [book 1; chapters 1 & 2] *Aus dem Frantzösischen ins Teutsche übersetzt. Erste Ausgabe der Version, Nebst 10. Kupffer = Tabellen; Wie auch einer Vorrede Herrn Christian Wolffens, Königl. Schwedish = hoch = Fürstl. Hessischen Regierungs = Rathe, Mathem. & Phil. Profess. Primario zu Marburg, Prof. honorario zu St. Peterburg, der Königl. Academie der Wissenschaftten in Paris, der Königl. Groß = Britannischen, wie auch der Königl. Preussischen Societät der Wissenschaftten Mitglieder.*

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1740. Nürnberg, in Commission zu finden in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. [5] p.l., 94, [2] pp. Title page printed in red and black, large woodcut headpiece on 4th preliminary leaf, large engraved headpiece on page [1], 6 engraved

plates, 4 folding engraved plates. Very good. Contemporary calf, raised bands, gilt tan Morocco spine label with incorrect author's name, red edges, contemporary manuscript signature in black ink on title page.

In this volume Bélibidor describes the general principles of mechanics; the properties of wheels and pulleys and other such conductors of movement; the rule of movement and the impact of bodies; accelerated movement; and friction and how to calculate its effect on machines.

With a forward written by the translator, the well-known philosopher and mathematician, Christian Wolff (1679–1754.) There are two pages of errata bound in, a large engraved headpiece at the first chapter, and 10 engraved plates, four of which are folding.

Bound with installment two:
Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. [book 1; chapter 3] *Aus dem Frantzösischen ins Teutsche übersetzt. Andere Ausgabe der Version, Nebst 8. Kupffer = Tabellen.*

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1740. Nürnberg, in Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. [1] p.l., 124, [1] pp. (p. 118 reads as “119”.) Large woodcut headpiece on page [1], 7 engraved plates, 1 folding engraved plate, 1 large woodcut tailpiece on final page. Very good. Contemporary manuscript signature in black ink on title page.

In chapter three of book one, Belidor describes how water moves when it is enveloped by either vertical or inclined surfaces and how it flows through either rectilinear or vertical conduits.

With two pages of errata bound in and eight engraved plates, one of which is folding.

Bound with installment three:
Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nehmlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. Zweytes Buch. Erstes Capitel. *Aus dem Frantzösischen ins Teutsche übersetzt. Dritte Ausgabe der Übersetzung. Nebst 10. Kupffer = Tabellen. Worinnen nicht allein eine deutliche Beschreibung verschiedener Arten von Mühlen / Sondern auch eine gründliche Anweisung, auf was Art ihre Würckungen zu berechnen, und ihr höchster Grad der Vollkommenheit zu entdecken, anzutreffen.*

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1741. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. [1] p.l., 39, [1 – blank], [1], [1 – blank] pp. 1 large engraved headpiece on p. [1], 10 large folding engraved plates, 1 large woodcut tailpiece on p.39. Very good. Contemporary manuscript signature in black ink on title page.

In chapter one of this second volume Bélibidor describes various kinds of mills, as well as detailed instructions on how to

calculate their effects and discover their highest degree of perfection.

With ten large folding engraved plates and one page of errata bound in.

Bound with installment four:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von dem Herrn Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaften Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. Zweytes Buch. Zweytes Capitul. Aus dem Frantzösischen ins Teutsche übersezdet. Vierdte Ausgabe der Übersetzung. Nebst 5. Kupffer = Tabellen. Worinnen nicht allein eine deutliche Beschreibung einiger Arten von Säge = Mühlen, Stein = Schneide = und Röhr = Bohr = Mühlen, sondern auch eine gründliche Anweisung, auf was Art ihre Würckungen zu berechnen, und Ihr höchster Grad der Vollkommenheit zu entdecken, anzutreffen.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1741. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 1 p.l., 21, [1] pp. 5 large folding engraved plates. Very good. Contemporary manuscript signature in black ink on title page, marginal damp stain to D2 verso and E recto, not affecting text.

In chapter two of this second volume, Bélibor focuses more on sawmills, stone cutting mills, and pipe drilling mills.

With 5 large folding engraved plates and one page of errata bound in.

Bound with installment five:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt von dem Herrn Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaften Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. Zweytes Buch. Drittes Capitul. Aus dem Frantzösischen ins Teutsche übersezdet. Fünffte Ausgabe der Übersetzung. Nebst 2. Kupffer = Tabellen. Worinnen von Pulver = Mühlen, und von einer andern Machine, Ciment zu zermahlen, gehandelt wird.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1741. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 1 p.l., 10, [1] pp. 2 large folding engraved plates, 1 large woodcut headpiece on p. [1]. Very good. Contemporary manuscript signature in black ink on title page.

In this brief chapter, Bélibor focuses on powder mills and a machine used for pulverizing cement.

With two large folding engraved plates.

Bound with installment six:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu Denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von dem Herrn Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaften Mitglied, und Correspondent

derjenigen zu Paris. Erster Theil. Zweytes Buch. Vierdtes Capitel. Aus dem Frantzösischen ins Teutche übersetzt. Sechste Ausgabe der Übersetzung, und Beschluß des ersten Frantzösischen Bandes. Nebst 9. Kupffer = Tabellen. Worinnen von denen so genannten Rosen = Krantz = Mühlen, oder Pater-Noster- Werckern, und von noch andern zu der Wasser = Schöpfung dienlichen Maschinen gehandelt wird.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1742. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 1 p.l., 24, [24] pp. 9 large folding engraved plates, 1 large woodcut headpiece on p. [1], 1 large woodcut tailpiece on p. 24. Very good. Contemporary manuscript signature in black ink on title page.

Here, Bélibor focuses on “rose-crown” mills, water wheels, and other machines used for drawing water. (Including one which is powered by a man running inside the wheel—see figure 5 in the final plate.)

Bound in at the end is the index for volumes 1 and 2 as well as an errata page and 9 large folding plates.

Bound with installment seven:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt von Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichen Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie der Wissenschaften Mitglied, und Correspondent derjenigen zu Paris. Erster Theil, Drittes Buch. Erstes, zweytes und drittes capitel. Aus dem Französischen ins Teutsche übersetzt. Siebende Ausgabe der Übersetzung. Benebenst 8. Kupfer = Tabellen, Worrinen zu finden, eine Dissertation

von denen aus vielen Erfahrungs = Proben hergeflossenen Eigenschafften der Lufft; Eine gründliche Theorie derer Wasser = Plompen; Gute Anweisungen, wie nicht allein die Gewalt oder Krafft des Windes; sondern auch die möglichst = grösseste Würckung verschiedener Maschinen zu berechnen, die durch den Wind in Bewegung gebracht werden können; Gründliche Beschreibungen allerhand Arten von Wasser=Plompen, und Eine weitläufftige Theorie, wie deren Wirkungen aufs genaueste zu berechnen.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1743. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 5 p.l., 104, [1], [1 – blank] pp. Title page printed in red and black, large woodcut headpiece on 2nd preliminary leaf and pp. [23], and [43], large engraved headpiece on page [1], 8 large folding engraved plates, one large woodcut tailpiece on p. 23. Very good. Contemporary manuscript signature in black ink on title page, upper margin on title page cut short, affecting 4 letters (sense still clear).

Volumes 3 and 4 are reserved for classic hydraulic engineering and deal with locks, harbor construction, dock structures, canal and river construction, bridges and systems for irrigation and drainage. Also included are chapters on pumping stations, water and windmills, fire engines, excavators, garden fountains and water features as well as concrete construction on and in the water.

In this third volume, Bélibor presents a thorough investigation of water pumps; good instructions on how to calculate not only the force or power of the wind, but also the greatest possible effect of various machines that can be set in motion by the wind; detailed descriptions of all kinds of water pumps; and a comprehensive theory on how to calculate their effects with the greatest accuracy.

The first chapter focuses on suction and pressure devices as well as machines that elevate water. The second chapter

is on wind-powered machines, and the third chapter is on water pumps and how to perfect them.

With 8 large folding engraved plates and one errata page bound in.

Bound with installment eight:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichen Professore Matheseos derer Schulen des nemlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil, Drittes Buch. Vierdtes Capitul. Aus dem Französischen ins Teutsche übersetzt. Achte Ausgabe der Übersetzung. Benebenst 18. Kupfer = Tabellen. Worinnen zu finden: wie auf verschiedene Art sowohl Saug = als Druck = Wercke in Bewegung zu bringen. Die Beschreibung der zu Nymphenburg in Bayern befindlichen Wasser = Machine. Die Beschreibung und Berechnung einer künstlichen Wasser Machine mit Elliptischen Scheiben. Untersuchungen einer Elliptischen Scheibe, die, indem sie sich um ihren Mittel = Punct herum drehet, eine Last in die Höhe hebet. Eine gantz simple Art, die Kolben an denen Wasser = Maschinen mit hülffe Eines Heb = Rades in Bewegung zu bringen, an dessen Rande abhängende Flächen angebracht sind. Die Beschreibung und Berechnung derjenigen künstlichen Waffer = Machine, die zu Paris an der neuen Brücke erbauet stehet, und la Samaritaine genannt wird. Beschreibungen von verschiedenen guten Feuer = Spritzen. Beschreibungen von künftlichen Geblässen, bey Hammern und grossen Schmieden zu gebrauchen, die mit Hülffe eines Wasser = Falls Erhalten Werden. Die Beschreibung der Welt = berühmten Wasser = Machine zu Marly.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1744. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 61, [1] pp. 17 large folding engraved plates, 1 large woodcut headpiece on p. [3]. About very good. Contemporary manuscript signature in black ink on title page, upper margin on title page cut short, affecting upper half of each word on first line (sense still clear), lacking the plate VIII.

In the fourth stand-alone chapter of book three, Bélibor writes on how to set suction and pressure devices in motion in various ways. He describes three famous water pumps located in Bavaria, Switzerland, and France; water pumps with elliptical disks; a simple way of setting the pistons of the water machines in motion with the help of a lifting wheel, on the edge of which sloping surfaces are attached; various fire nozzles; and artificial blowers for use with hammers and large forges, which are maintained with the help of a water jet.

With one errata page bound in. Although lacking one of the 18 plates (not excised; simply never bound in), in very good condition.

Bound with installment nine:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer Zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Auf das gründlichste abgehandelt Von dem Herrn Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichen Professore Matheseos derer Schulen des nehmlichen Artillerie-Corps; Wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil, Drittes Buch. Fünfftes Capitul. Aus dem Frantzösischen ins Teutsche übersetzt. Neundte Ausgabe der Übersetzung. Benebenst 6. Kupfer = Tabellen. Worinnen zu finden: die Beschreibung und Berechnung

derjenigen Wasser = Machine, welche zu Paris an der L. Frauen = Brücke erbauet stehet, und wie solche in einen weit vollkommenern Standt versetzt worden. Desgleichen, die Beschreibung derer von dem Autore neu erfundenen Saug = und Stiefel = Wercke, und derer hierzu gehörigen wohl eingerichteten Ventilen oder Balancier-Klappen, durch welche, kaum gedachte Machine, eigentlich in weit höhern Grad verbessert worden.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1745. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 1 p.l., 22 pp. 1 large woodcut headpiece on p. [1], 6 large folding engraved plates. Very good. Contemporary manuscript signature in black ink on title page.

In this final chapter of the third book, Bélibor describes a water pump in Paris and writes about further improvements he has made in irrigation systems.

With six large folding engraved plates.

Bound with installment ten:

Architectura Hydraulica. Oder: Die Kunst, Das Gewässer zu denen verschiedentlichen Nothwendigkeiten des menschlichen Lebens zu leiten, in die Höhe zu bringen / und vortheilhaftig anzuwenden. Aufs gründlichste abgehandelt Von dem Monsieur Belidor, Provincial-Commissario des Artillerie-Wesens, Königlichem Professore Matheseos derer Schulen des nehmlichen Artillerie-Corps; wie auch der Königl. Englisch = und Königl. Preussischen Academie derer Wissenschaftten Mitglied, und Correspondent derjenigen zu Paris. Erster Theil. Vierdtes Buch. Erstes und zweytes Capitul. Aus dem Frantzösischen ins Teutsche übersetzt. Zehende Ausgabe der Übersetzung. Nebst 7. Kupfer = Tabellen. Worrinen der Autor eine gantz neue Wasser = Machine beschreibet, die er selbst erfunden, mit deren hülfe ein Gewässer, vermöge seines eigenen

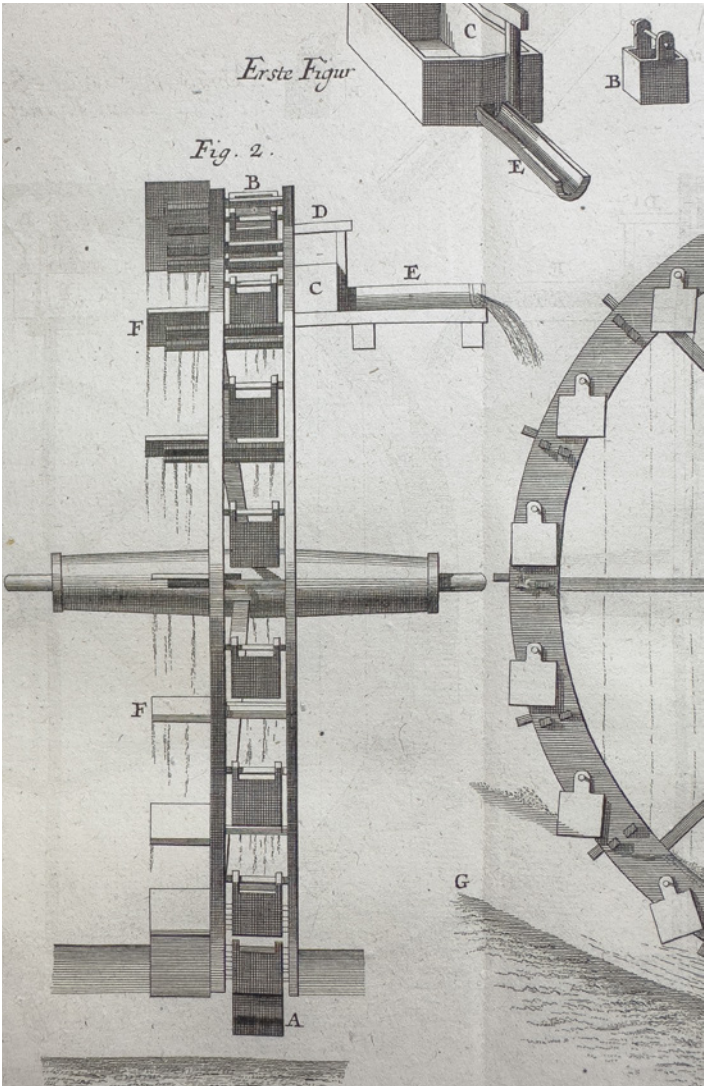
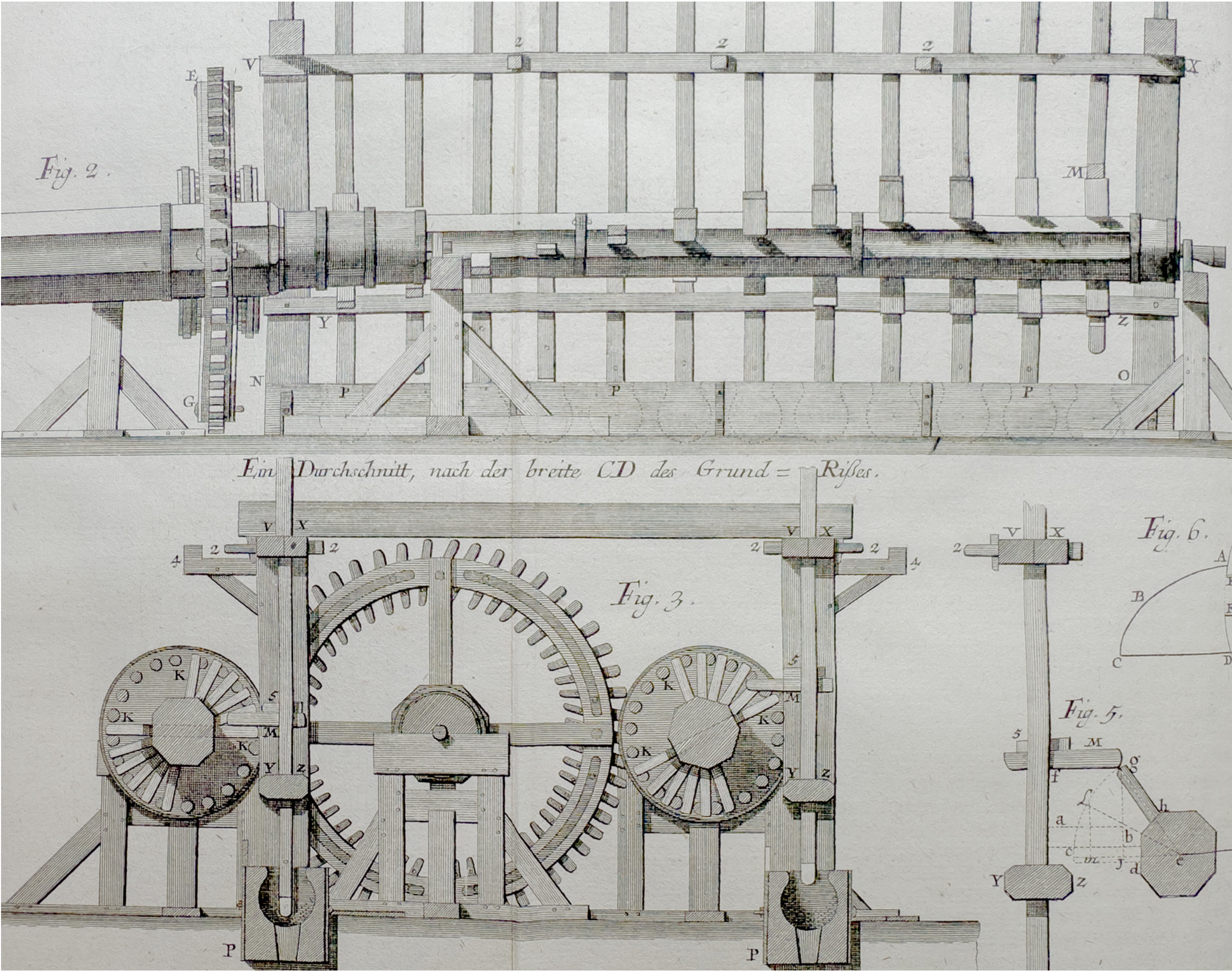
Abfalls, sehr hoch in die Höhe getrieben werden kan. Er zeigt umständlich, wie solche nach allen ihren Theilen gebührend anzuordnen, und wie dieselbe zu berechnen. Ferner ist hierinnen anzutreffen die Beschreibung derjenigen Wasser = Machine, welche von denen Herren Denisard und de la Duelle erfunden worden. Ferner, die Beschreibung eines künstlichen Pater-Noster-Werck, von Mons. Francini erfunden. Noch eine andere Manier, einen Theil eines Duel=Gewässers in die Höhe zu heben, wenn ein Gefäll vorhanden, deren sich Mons. Bucket in Engelland bedienet. Ferner, die Beschreibung der in Engelland von dem Mons. Bucket verbesserten Wasser = Machine. Das gantze sweyte Capitul handelt von der Würckung des Gewässers in denen Wasser = Leitungs = Röhren, worrinen dann auch sehr nützliche Experimenta von langen Wasser = Leitungen anzutreffen, und wie solche nunmehr auf eine weit sicherere Art zu berechnen, als biß anhero hat geschehen können.

Augspurg: Verlegts Johann Georg Mertz, kunst = händler, ANNO 1746. Nürnberg, In Commission zu finden, in der homännischen Officin. In German. 315 × 210 mm. (12.25 × 8.25 in.) Folio. 1 p.l., 56, [1], [1 – blank] pp. 1 large engraved headpiece on p. [1], 7 large folding engraved plates. About very good. Upper margin on title page cut short, affecting upper half of each word on first line (sense still clear), contemporary manuscript signature in black ink on title page, small tear to plate VI, small marginal wormhole through O2 and final leaf (not affecting text).

In this final book, Bélibor describes an English construction for elevating water as well as his own invention for doing the same.

With seven large folding plates and an errata page bound in.

Bernard Foret de Bélibor (1698–1761) was a mathematician who became recognized by the Duc d'Orleans and was thus employed as the professor of mathematics at the new



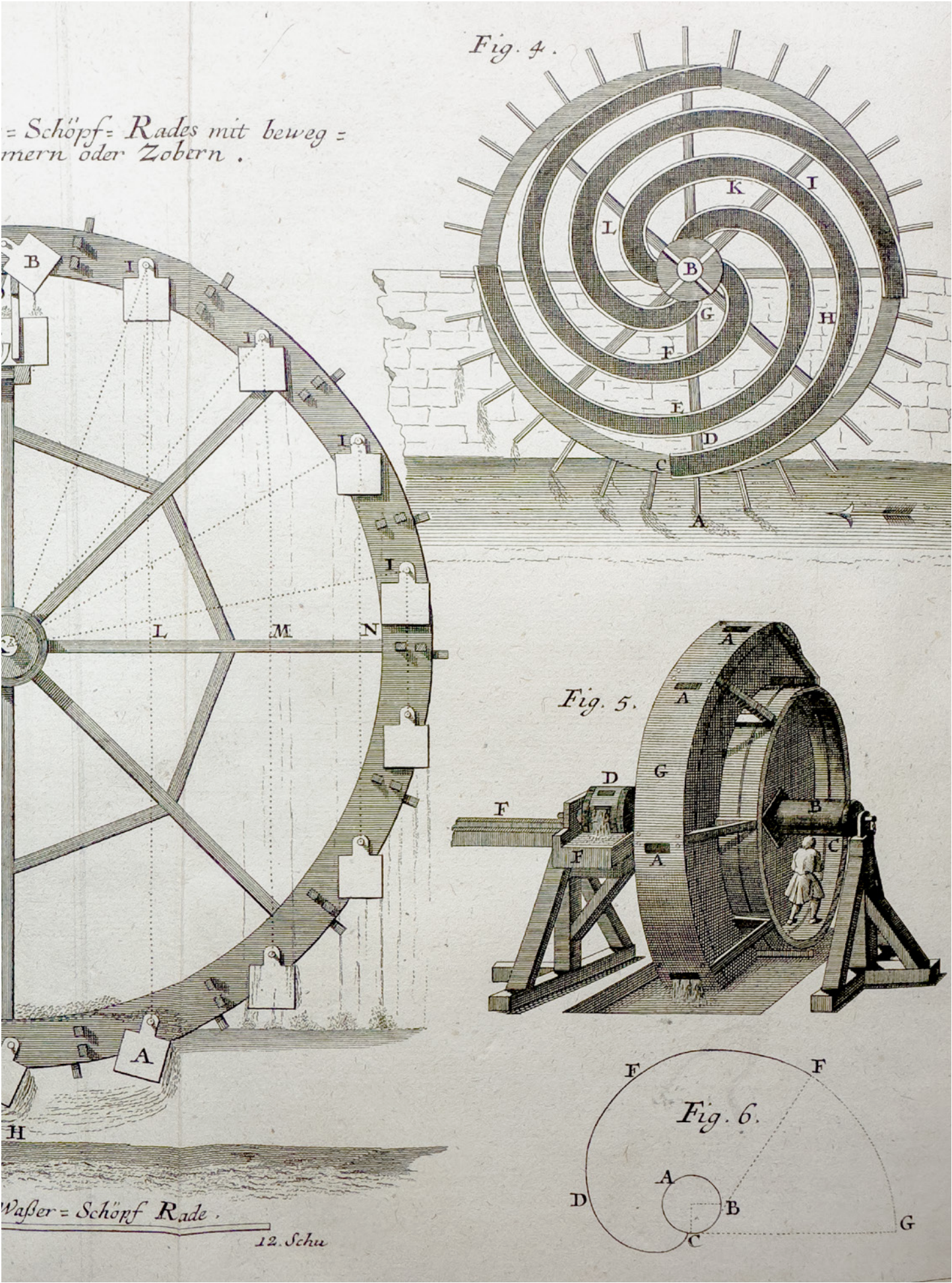
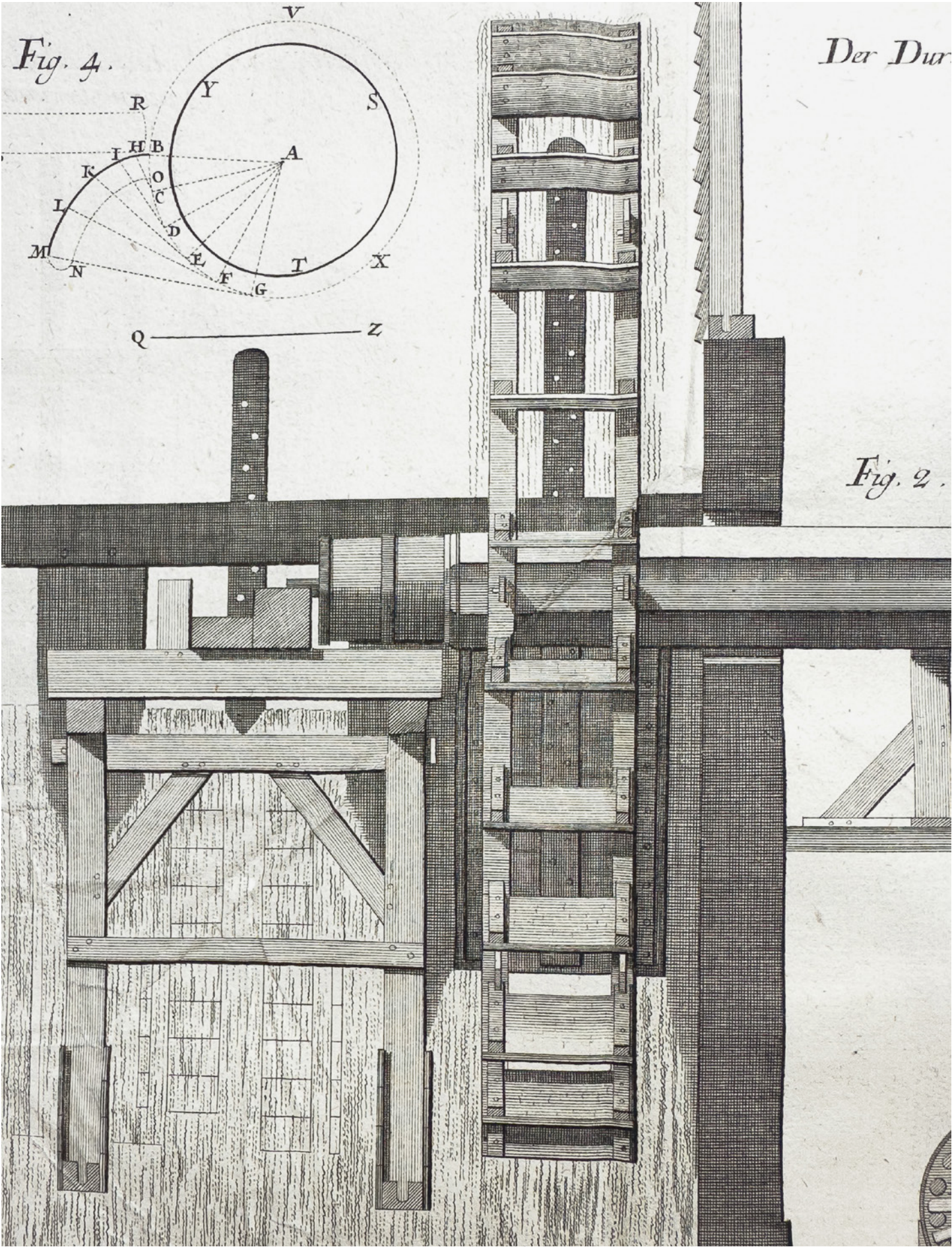
artillery school at La Fère. He was a prolific writer and [his] “work unexpectedly ushered in a new science of mechanical engineering unknown at the time of the first editions of *Architecture Hydraulique* and *La science des Ingénieurs*. His practical ideas and solid engineering expertise influenced the preceding two generations of scientists who became mechanical engineers after him.” (Encyclopedia.com)

On the spine label, the title is printed correctly, but the author is erroneously printed as “Penther” who interestingly, is the author of another work in this collection.

From the library of Jaroslav Polívka. Laid in is a Season’s Greetings tag for “Ron” from “Baba” dated 1980. Ron is the son of Milos Polívka and grandson of Jaroslav Polívka. Baba was Jaroslav’s wife, Maria Irma Polívka née Pollak (1888–1982).

Bibliography: Brunet I, 740 (French edition); Graesse I, 324 (French edition) Ornamentstichsammlung Berlin 3555 (French edition); Poggendorf I, 138.

\$3,250



Myrtle’s Double Dürer

Dürer, Albrecht. *Albertus Durerus Nurembergensis pictor huius aetatis celeberrimus, versus è Germanica lingua in Latinam, Pictoribus, Fabris ærariis ac lignariis, Lapididis, Statuariis, & vniuersis demum qui circino, gnomone, libella, aut alioqio certa mensura opera sua examinant, propè necessarius: adeò exactè Quatuor his fuaru Institutionum Geometricarum libris, lineas, superficies & solida corpora tractauit, adhibitis designationibus ad eam rem accommodatissimis. Denuo ad scripti exemplaris fidem omnia diligenter recognita, emendatius iam in lucem exeunt.* [Uniform title: [Unterweisung der Messung. Latin.](#)]

Paris: Ex officina Christiani Wecheli, sub scuto Basiliensi, MDXXXV [1535]. In Latin. 335 × 205 mm (13.5 × 8 in.) Folio. [8], 185, [2 -blank] [1] pp. (pp. 30, 31 read as “18, “19,” p. 41 as “42,” p. 83 as “33.” Woodcut printer’s device on title page and colophon, woodcut historiated and decorative initials throughout, numerous woodcut illustrations in the text. Good. Later quarter calf over early marbled boards, boards lightly rubbed, corners bumped, bookplate of “Myrtle A. Crummer” mounted onto upper pastedown, later pencil notations on upper pastedown, marginal wormhole through upper pastedown, upper free endpaper, and pages [1] and [2] (not affecting text), “CB” stamped in black ink on title page, occasional dampstaining, outer edges chipped, minor marginal image loss to pp. [7], marginal ink stain on pp. 48, 49 (not affecting text), additional woodcut illustrations tipped in on pp. 179, 181, old repair to margin of pp. 185.

Second issue of the second Latin edition of Albrecht Dürer’s instructional book in which he applies geometry (with the use of a compass and ruler) to art theory for “Painters, Carpenters, Stonemasons, Sculptors, and Universalists.”¹ (Originally written in German and titled *Underweysung der messung, mit dem zirckel und richtscheyt in Linien ebnen*

1.OCLC notes that there was a 1534 Latin Edition and that the 1535 edition of *Durerus Nurembergensis pictor huius aetatis celeberrimus ...* was printed in order to be able to bind it with the 1st Latin edition of *De Uribus, arcibus, castelisque condenses ...* both printed by Christiani Wecheli (Christian Wechel) in Paris.

unnd gantzen corporen.) In this treatise Dürer explains the basic principles of “the art of measurement, without which no one can become a true artisan.” Thus, did he introduce to Northern Europe the principles and practices of a system of projection that had been refined by the artists of the Italian Renaissance.

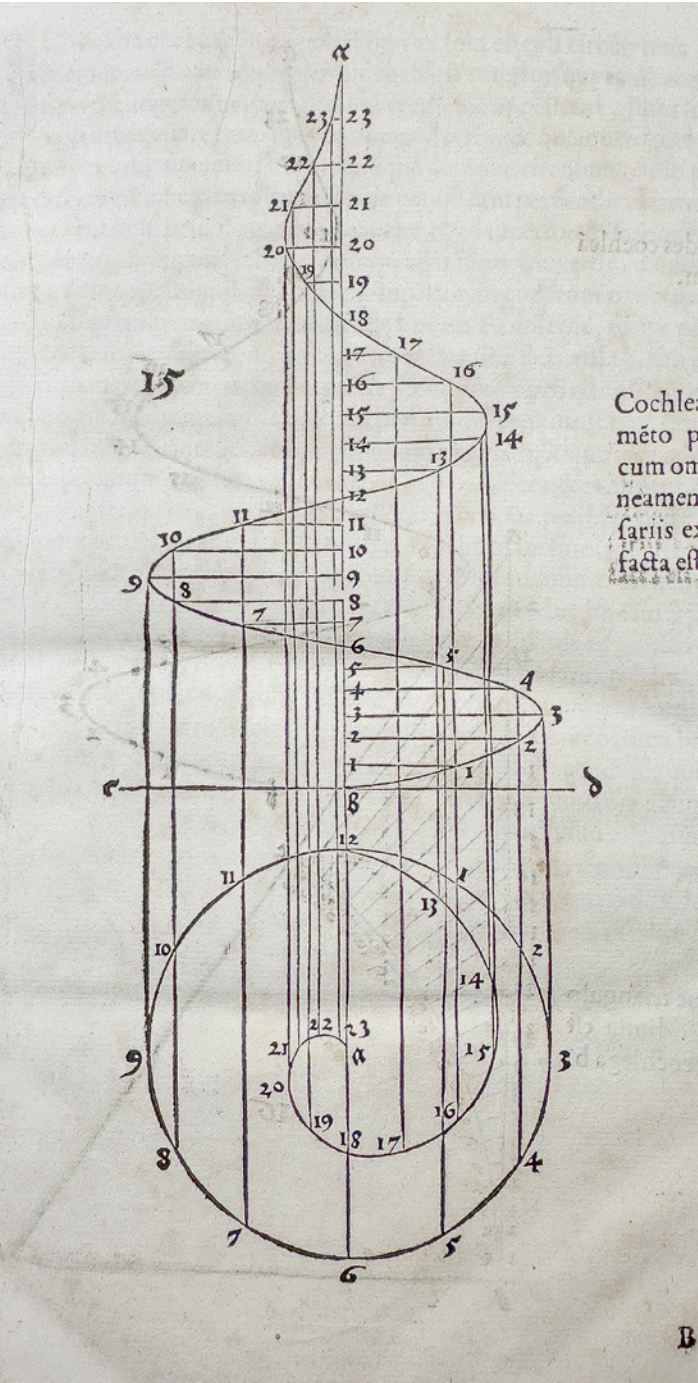
This work is divided into three parts. In the introduction to part I, Dürer writes that in order to make sure that his instructions are clear, he has illustrated everything he describes. At its core, this work concerns linear geometry, two-dimensional figures, geometric solids, methods of rendering linear perspective, and various applications of measurement to architecture, engineering, and decoration. The illustrations include parabolas and spirals that evoke the form of the Guggenheim Museum. One can’t but wonder if Jaroslav Polívka sought inspiration from this book when he accomplished one his greatest engineering achievements: designing out the Guggenheim Museum’s ramp perimeter columns initially required and thereby giving the museum its iconic interior space.

Dürer begins part I quite simply with the straight line, the circle and the squiggly line. As part I progresses, the concepts become more sophisticated and go on to the four-dimensional box then to an intricate spiral, and so on. Part II describes how to work with the plane (a two-dimensional space or flat surface that extends indefinitely.) Part III takes the previous concepts and teaches the reader how to render various types of columns thus taking the student to the physical structure. Also included are templates for Roman and Gothic lettering. Replete with Dürer’s illustrations, this work was originally written in German to make it more widely accessible.

Dürer, Albrecht

On one of the preliminary leaves and on the final page is a large woodcut by Dürer which shows how to plot various points on the surfaces of a lute, or any complex geometric solid, by marking its contours by means of a string extended from a fixed point.

From the library of Myrtle A. Crummer, the wife of Dr. Leroy Crummer (1872–1934). Myrtle was a well-known literary editor and collector of early printing. Her husband was a famous cardiologist and collector. In 1925 Myrtle and her husband retired to Los Angeles, California. At this time, they began to travel extensively in Europe to acquire antiquarian material for their joint collection. These were donated to the Medical Library at the University of Michigan in the 1930s and 40s. Most of what is written about the Crummer collection pertains to Myrtle’s husband—however, this book was hers as it contains her custom bookplate. Perhaps this book will inspire someone to write more about Myrtle’s influence on the Crummer collection. After Myrtle’s ownership, the book was in the library of Jaroslav Polívka.



Dürer, Albrecht

Bibliography: Adams D 1057 (1st edition); Brunet II, 912; Fairfax Murray 150 (later 1538 German edition only); Graesse II, 452; Marques Typographiques 922–924.

PMM 54 (1st edition; this is the only Dürer publication in *Printing and the Mind of Man*).

Bound with:

Dürer, Albrecht. *Alberti Dureri pictoris et architecti prae-stantissimi de urbibus, arcibus, castellisque condensis, ac muniendis rationes aliquot, praesenti bellorum necessitati accommodatissimæ: nunc recens è lingua Germanica in Latinam traductæ.* [Uniform title: *Etliche Unterricht zu Befestigung der Stett, Schloss und Flecken.* Latin]

Paris: Ex officina Christiani Wecheli, sub Scuto Basiliensi. MCXXXV [1535]. In Latin. 335 × 205 mm (13.5 × 8 in.) Folio. [80] pp. Signatures irregular due to integration of text and double-page illustrations. a⁶, b⁴, c⁶, d⁴, e⁶, f⁶, g⁴, h⁶ (“c⁵” and “f⁵” are the stubs [untrimmed] of c² and f²). Woodcut printer’s device on title page and colophon, woodcut historiated and decorative initials throughout, numerous woodcut illustrations in the text, errata on h⁵v. Good, although the double-page illustrations are very good. Occasional damp staining, outer edges chipped, later pencil notations on lower pastedown, wormholes through lower pastedown.

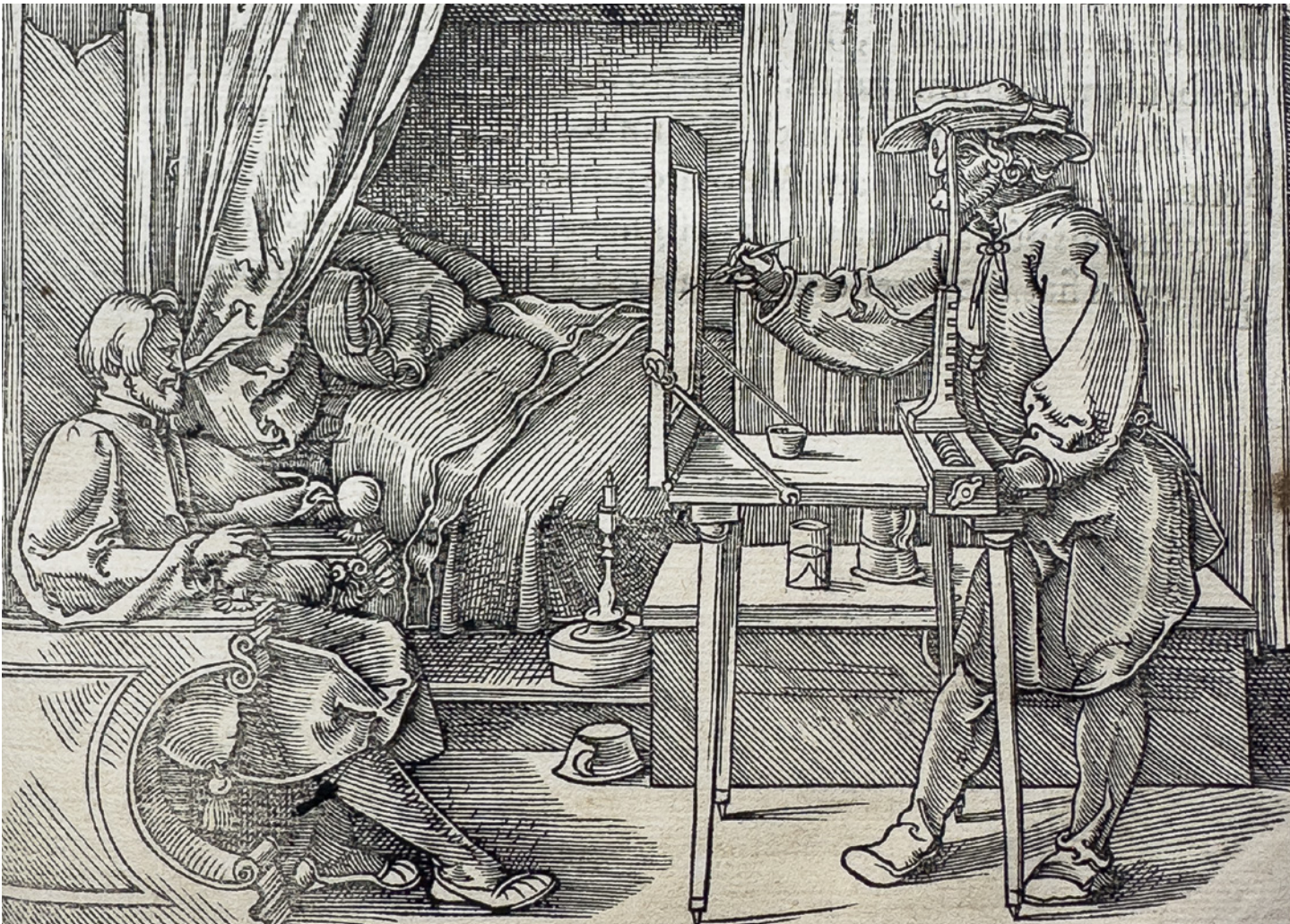
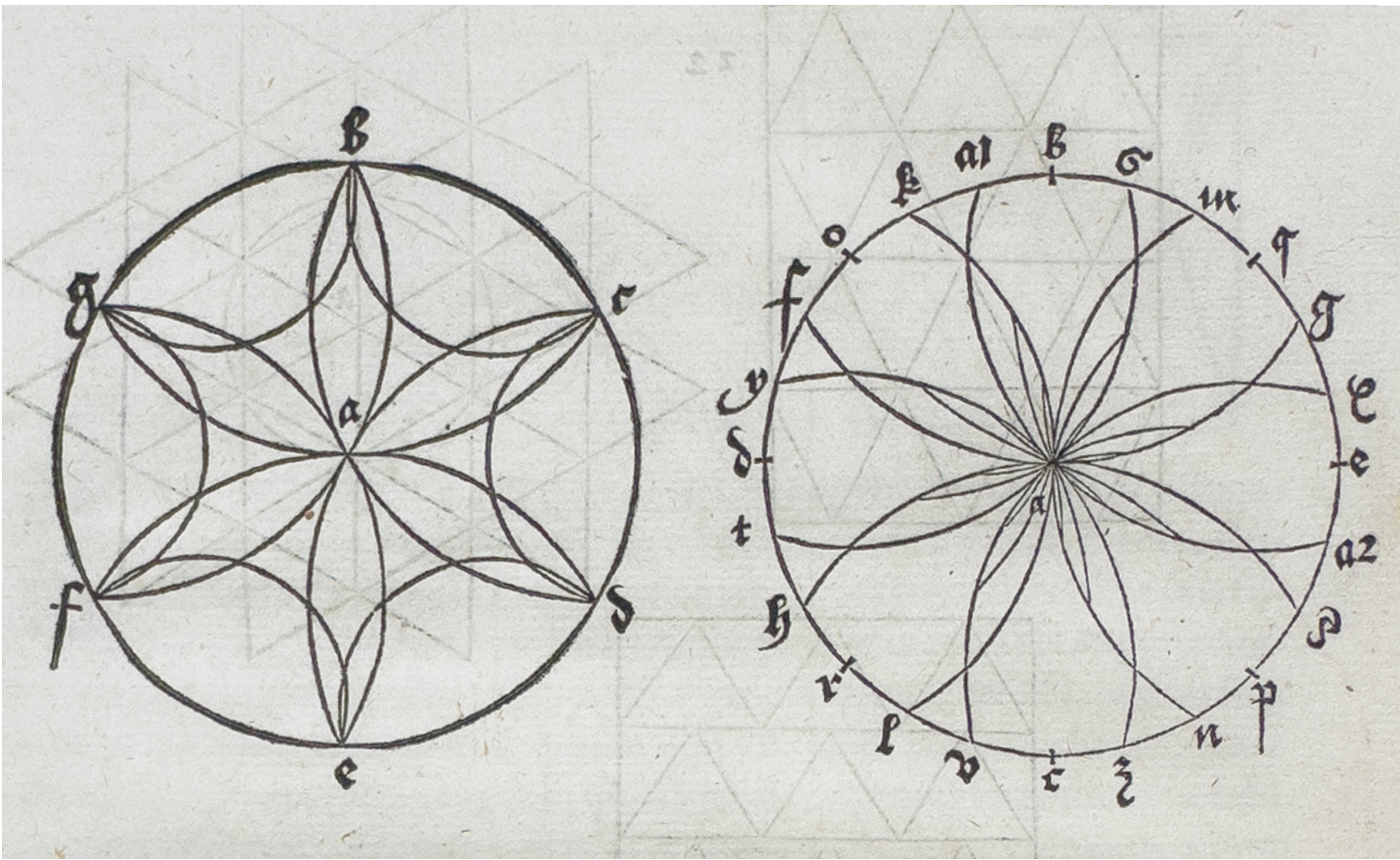
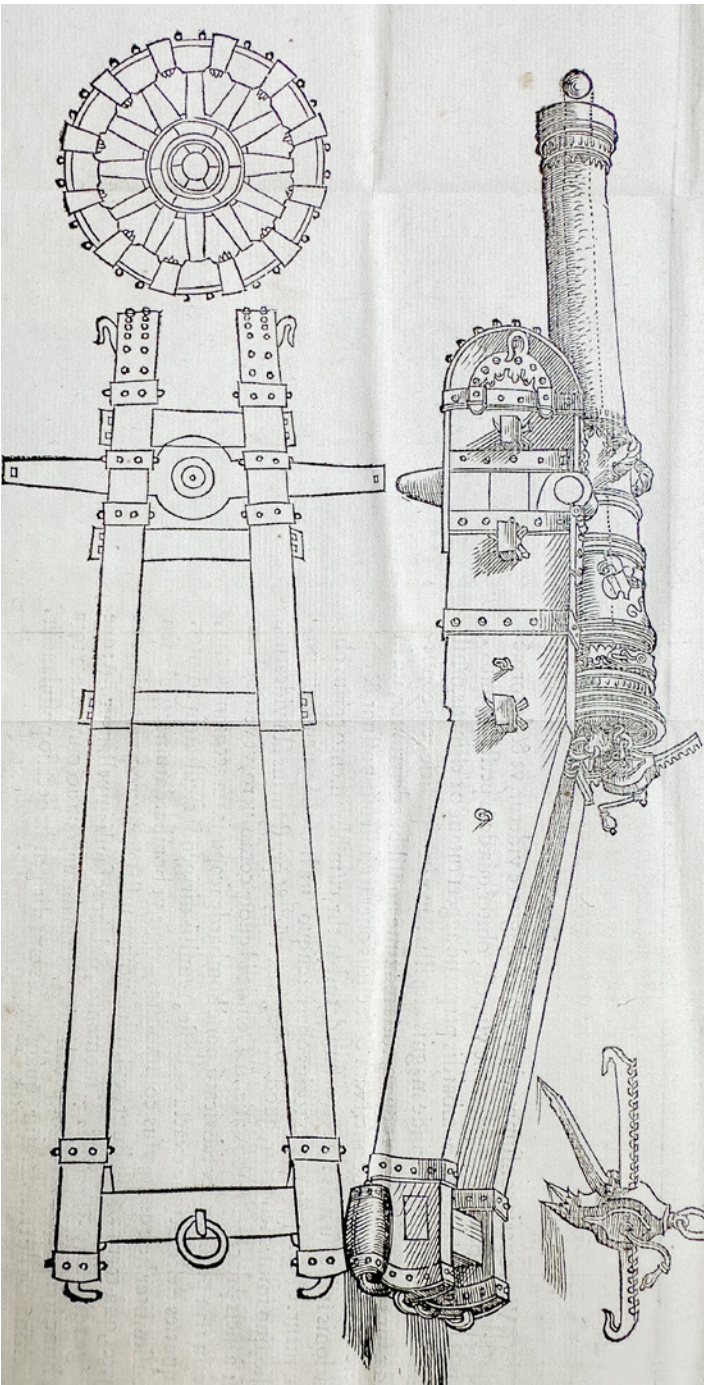
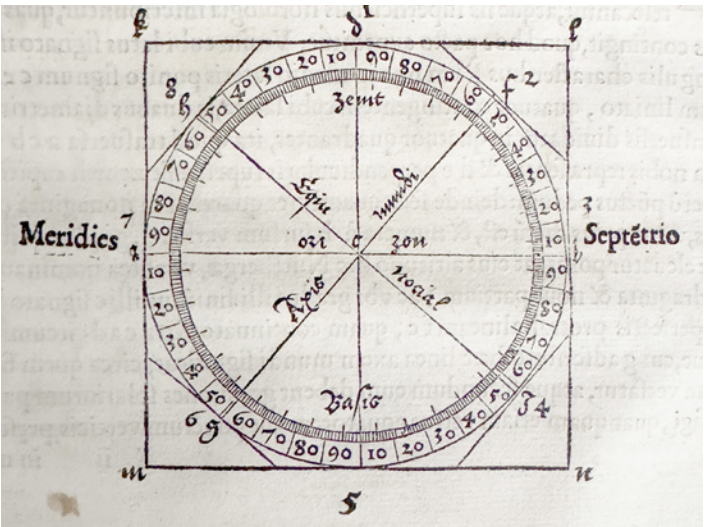
First Latin edition of Albrecht Dürer’s architectural work on fortification for the town, castle, and village translated from the German *Ettliche Unterricht zu Befestigung der Stett, Schloss und Flecken* by Joachim Camerarius. In the introduction, Dürer explains that in writing this text he has kept the poor man in mind and hopes that his constructions will prove to have great strength in times of war and yet be of low cost to the builder.

With numerous woodcut illustrations in the text by Dürer.

OCLC indicates that the Bancroft’s copy is imperfect lacking c6 and h6.

Bibliography: Adams D 1056; Brunet II, 913 & 914; Fairfax Murray 151 (German edition); Graesse II, 452; Marques Typographiques 922–924; Ornamentstichsammlung Berlin 3507.

\$9,500



Mallet, Allain Manesson. *Les Travaux de Mars, ou l'art de la guerre. Divisez en trois parties. La premiere, enseigne la Methode de fortifier toutes sortes de Places Regulieres & Inregulieres. La seconde, explique leurs Constructions, selon les plus fameux Auteurs, qui en ont traité de l'jusqu' à present, & donne aussi la maniere de les bâtir. La troisiême, enseigne les fonctions de la Cavalerie & de l'Infanterie, traite de l'Artillerie, & donne la Methode d'attaquer & de deffendre les Places. Avec un ample détail de la Milice des Turcs, tant pour l'Attaque que pour la Deffense. Ouvrage enrichi de plus de quatre cens Planches gravées en Taille-douce. Dediez au roy, par Allain Manesson Mallet, Maître de Mathematiques des Pages de le la petite Ecurie de Sa Majesté, cy-devant Ingenieurs & Sargent-Major d'Artillerie en Portugal. Tome Premier. Dernier Edition, revûë & corrigée d'un grand nombre de fautes qui étoient restées dans toutes les precedentes.*

Amsterdam: Chez Henri Desbordes, dans le Kalver-sstraat, près le Dam. MDCXCVI [1696]. Avec Privilege. In French. 8vo. 3 volumes.

Volume I
[2] p.l., [26], 373, [7], [1– blank] pp. 185×115 mm (7×4.5 in.) Engraved half title, title page printed in red and black, woodcut device on title page, 2 woodcut headpieces, 155 full-page engravings in the text. Very good. Contemporary calf, boards lightly rubbed, lower corners bumped, spine ornately gilt in six compartments, raised bands, slight wear to head of spine, red and blue-speckled edges, bookplate of “Comrad Fäsy” mounted onto upper pastedown, early manuscript ownership inscription of “Jean Finsley 1783” on recto of front free endpaper, black ex libris stamp of “Juc. Jan Polívka” on recto of upper free endpaper, marginal damp staining (not affecting text), one leaf laid in from 1971 written to “Mrs. Houdek.”

Volume II
Les Travaux de Mars, ou l'art de la guerre. Tome Second. Contenant la maniere de consturire & de fortifier toutes sortes de Villes & de Places; felon toutes les diverses manieres qui ont été inventées jusqu'a present par les plus Sçavans Auteurs, & les plus Fameux Ingeniers qui ont traité de cette Science: ERRARD, MAROLOIS, FRITACH, STEVIN, DOGEN, MARCHI, SARDI, DE-VILLE, le COMTE DE PAGAN & autres. Avec des Remarques sur les avantages & les desavantages de leurs methodes; & de Parallele de leurs Constructions avec celle de l'Auteur, & d'amples Dissertations pour & contre l'usage des Cazemates, des Fausses-brayes, & des seconds Flancs: ensemble les raisons de l'Auteur, pour les Flancs & les Cazemates de ses Places.

Amsterdam: Chez Henri Desbordes, dans le Kalver-sstraat, près le Dam. MDCXCVI [1696]. [2] p.l., [14], 343, [4], [1 – blank] pp. Engraved half title, title page printed in red and black, woodcut device on title page, 3 woodcut headpieces, 121 full-page engravings in the text. Very good. Contemporary calf, boards lightly rubbed, upper corner of upper board bumped, lower corner of lower board bumped, spine ornately gilt in six compartments, raised bands, red and blue-speckled edges, early manuscript ownership inscription of “Jean Finsley 1783” on recto of front free endpaper, marginal damp staining (not affecting text) on last few leaves, black ex libris stamp of Juc. Jan Polívka” on verso of lower free endpaper.

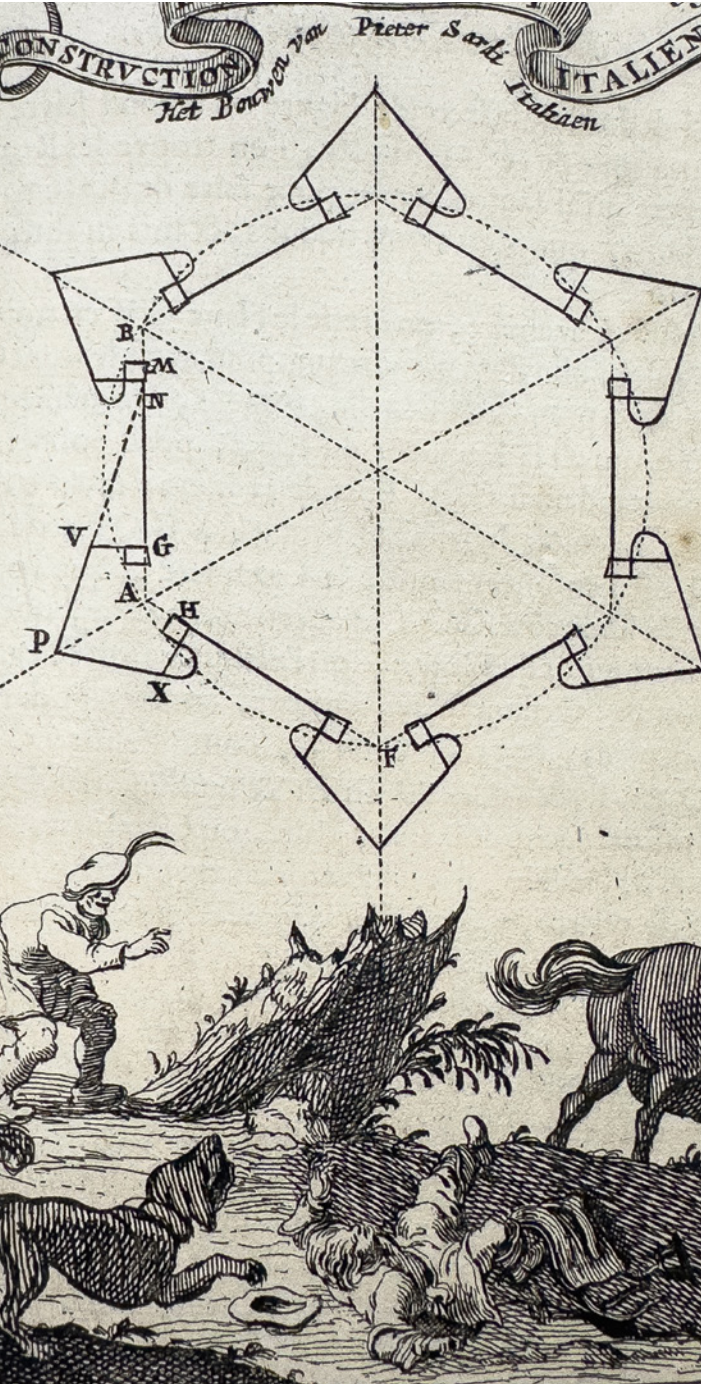
Volume III
Les Travaux de Mars, ou l'art de la guerre. Tome Troisième. Contenant Les noms, charges & d'Artillerie. Des Evolution nouvelles. De l'Artillerie, & composition des Poudres, avec celle de toutes sortes de Feux d'Artifice. Des Instrumens qui servant, ou à la défense ou à l'attaque des Places, Villes & Châteaux. De la marche & conduite des Troupes & Armées. Du campement pour les Sieges; & de l'attaque des Places, Vilees, & Châteaux. De la défense des

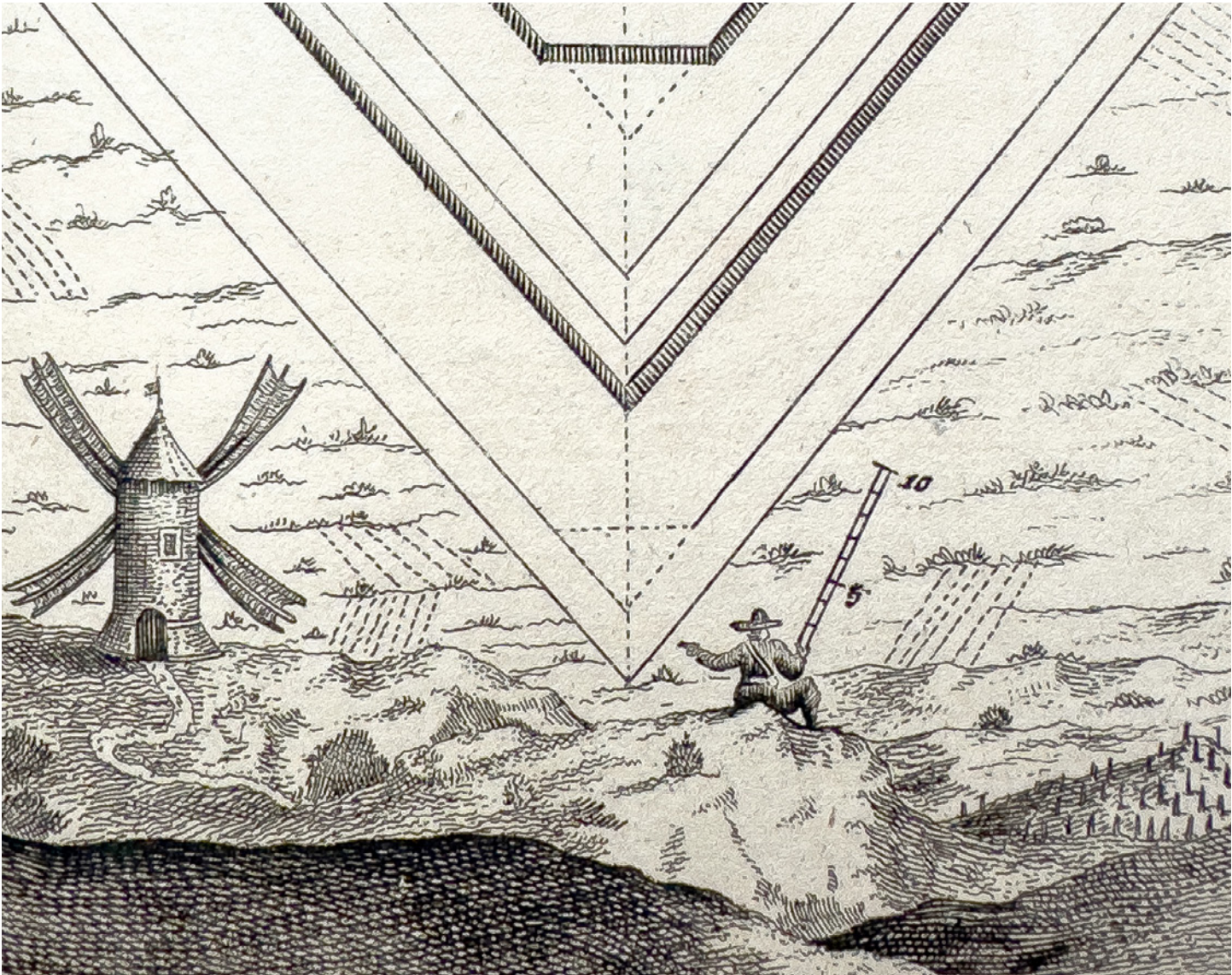
Places, contre toutes sortes de Sieges & d'attaques. De la Capitulation & Reddition des Places. De la Milice des Turcs; de leur maniere de faire la guerre, d'attaquer & de défendre les Places.

Amsterdam: Chez Henri Desbordes, dans le Kalver-sstraat, près le Dam. MDCXCVI [1696]. [2] p.l., [14], 387, [9], [1 – blank] pp. Engraved half title, title page printed in red and black, woodcut device on title page, 2 woodcut headpieces, 137 full-page engravings in the text. Very good. Contemporary calf, boards lightly rubbed, some damp staining to upper board, corners bumped, ornately gilt in six compartments, raised bands, some wear to head and tail of spine, red and blue-speckled edges, early manuscript ownership inscription of “Jean Finsley 1783” on recto of front free endpaper, black ex libris stamp of Juc. Jan Polívka” on recto of upper free endpaper, natural paper flaw at Q3 not affecting text.

The first revised and much corrected edition of this incredible compendium of information on war tactics and fortifications (first edition, 1684.) The author, Allain Manesson Mallet (1630–1706) was an engineer, mathematician, and cartographer. **Written in three volumes, the work contains an astonishing total of 413 engraved illustrations.**

The first volume is dedicated entirely to building fortifications in various types of topography including fortifications to surround villages built near rivers or the sea, as well as on mountain tops, and in the Marais in Paris. He also discusses how to build forts in the countryside and maintain clear lines of communication from the countryside. The illustrations are not the dry renderings of a tactician but rather are populated with people who are clearly in the midst of carrying out their lives. There are scenes of men arguing over a map; swimming naked in the river; rowing boats; and laying out stakes for fortifications with charts to consult, while friends are picnicking nearby. There are pitched battles and above the illustrations of particular fortification examples are banners stating the name of the location.





Volume II provides further research on fortifications and presents examples of contemporary expert engineers' methods for fortification. Mallet critiques their work and compares their constructions with his own.

The third volume is perhaps the most interesting as it draws upon Mallet's personal experience fighting against the Turks and presents information on Turkish war tactics and their militia. He begins this volume with a detailed description (well-illustrated, of course) of each rank of the military, from the foot soldier to the drummer, to the cavalry to the colonel. He follows this with an illustration of how to arrange the ranks in the field. Also included are new inventions in artillery and the composition of powders; general rules regarding the marching and conduct of troops and armies; how to prepare a camp for siege; how to defend against siege and other sorts of attack; and on how to surrender when necessary.

Mallet began his career as a soldier in the army of Louis XIV, where he became a Sergeant-Major in the artillery and an

Inspector of Fortifications. He also served under the King of Portugal, before returning to France, where he was appointment to the court of Louis XIV. His military engineering and mathematical background led to his position teaching mathematics at court.

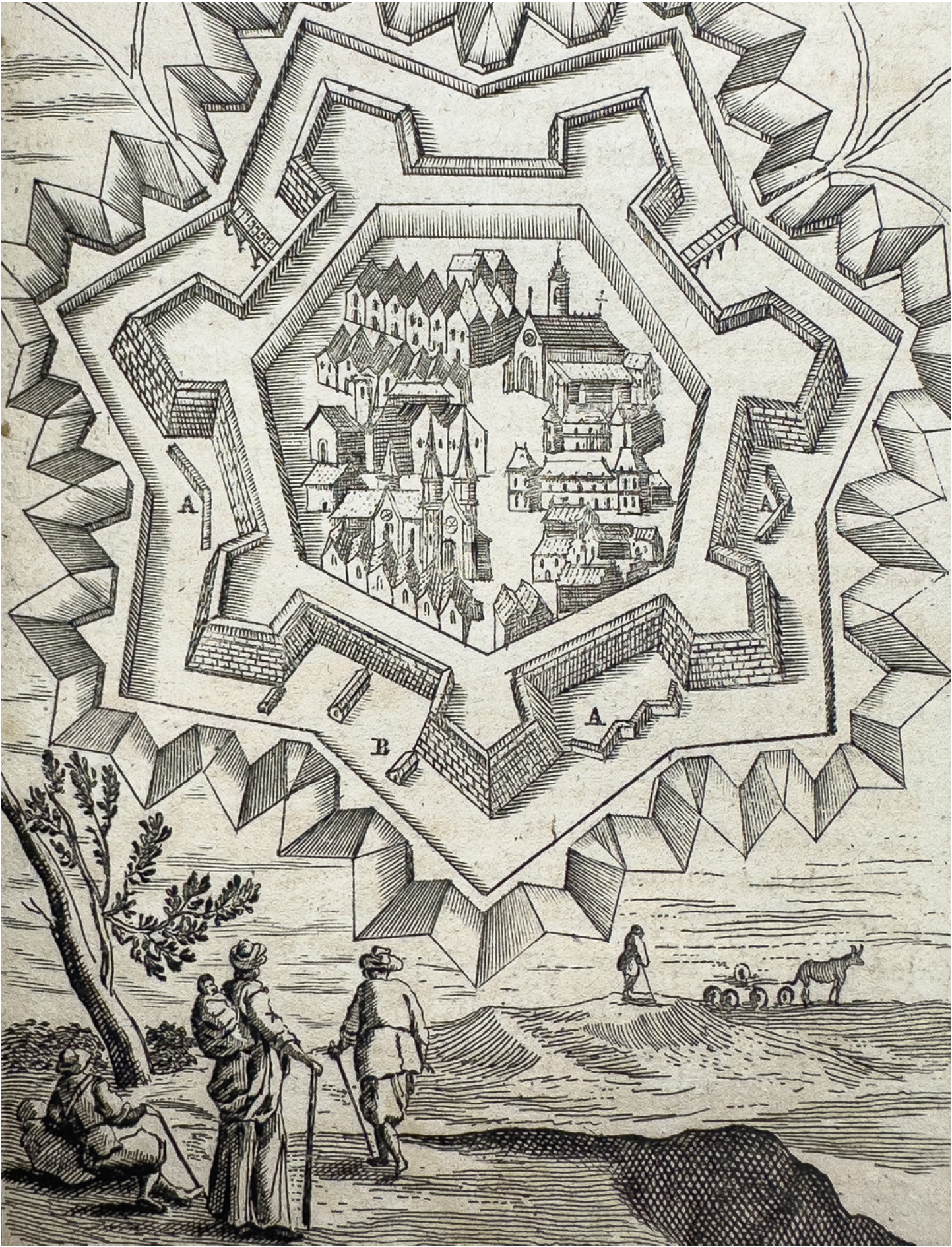
Each volume contains the early manuscript ownership inscription of "Jean Finsley 1783" and the black ex libris stamp of Jan Polívka. From the library of Jaroslav Polívka. Laid in to one volume is a note from 1971 written to "Mrs. Houdek." This would have been written to Eliska ("Elizabeth") Houdek née Polívka (1914–2002), the daughter of Jaroslav.

Bibliography: Poggendorff II, 26; Graesse IV, 354.

OCLC locates four copies in the United States at University of California, Los Angeles, Harvard, Buffalo & Erie County Public Library, and William & Mary Libraries. There are two copies outside of the United States.

\$3,950





How to Build, Equip, and Sail a 74-Gun Ship

Missiessy, Édouard Burgues

Missiessy, Édouard Burgues. *Installation des Vaisseaux.* Imprime par ordre du Ministre de la Marine et des Colonies.

Paris: L'Imprimerie de la République, An VI [1797–1798]. In French. 260 × 190 mm (10 × 7.5 in.) 4to. xii, 403 pp. Engraved bookseller's label on title page, contemporary manuscript signature on title page, nine engraved folding plates. Very good. Contemporary tree calf, gilt roll pattern around boards, spine ornately gilt in six compartments, orange leather spine label, faint rubbing to head and tail of spine, edges of boards lightly rubbed, marbled endpapers, faint dampstaining on pp. 153–163, paper browned on pp. 225–226 and pp. 369–377, natural paper flaw at lower margin of Qⁱⁱⁱ, X^{iv}, and Yyⁱⁱ, not affecting text.

An exceptionally well-preserved copy of the first and only edition of this work commissioned by the Minister of the French Navy and written by Citizen Édouard Missiessy, former rear admiral, in the sixth year of The French Republic. This is a comprehensive and thoughtful study of how to build, equip, crew, and sail a 74-gun ship. In all, there are seven chapters devoted to each level of the ship. Missiessy based his writing on his many years of experience fighting at sea. This is abundantly evident as the entire work contains great attention to detail regarding all aspects of building and running a gigantic ship for war.

In the forward, Missiessy writes that in organizing this work, he and his comrades worked methodically to represent those fixed parts of the ship in its construction so that they would best suit a ship at war. He also kept in mind the general mayhem of a ship in battle and sought

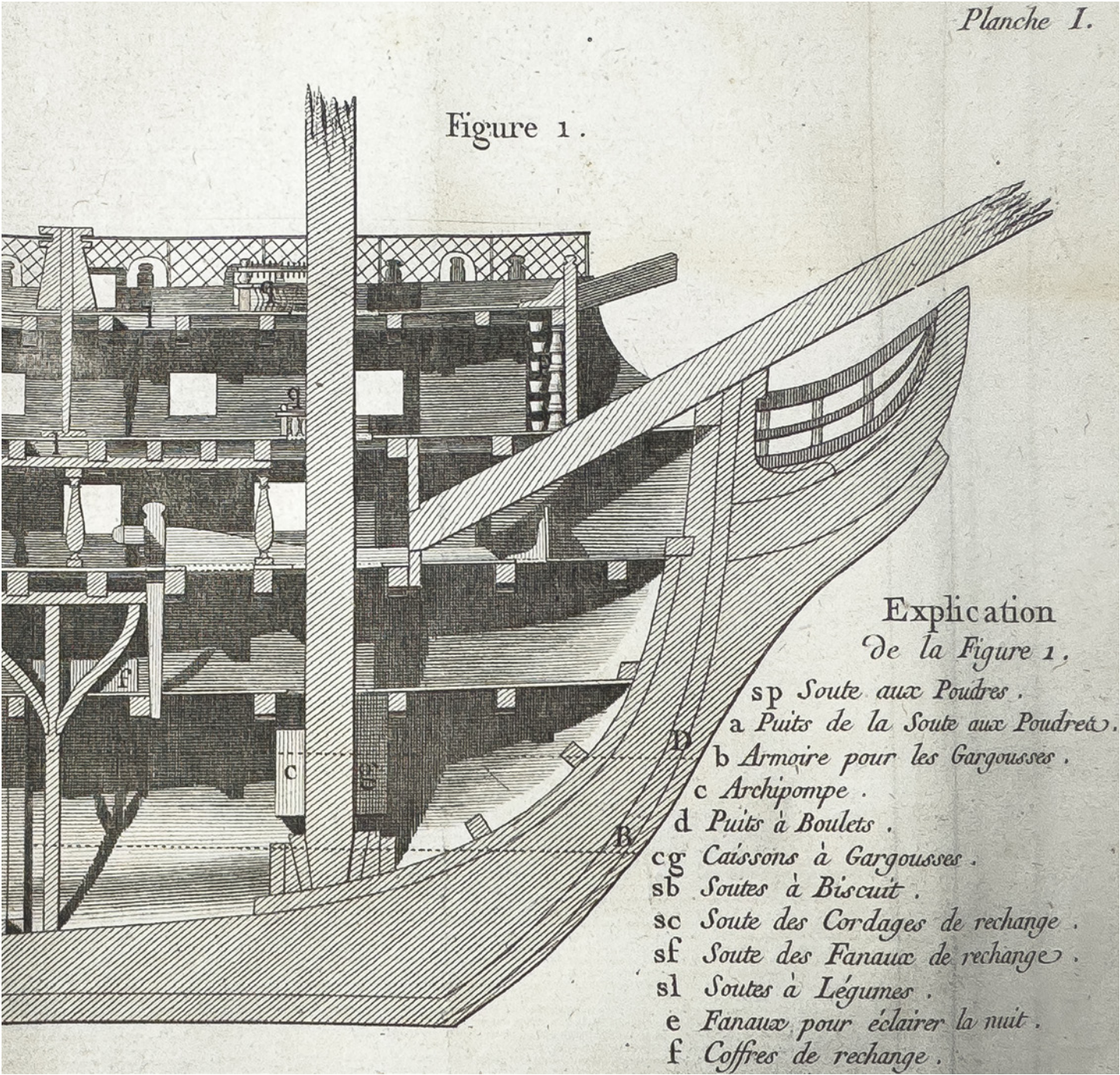
to accommodate this situation when making recommendations regarding the installation of all parts of the ship including “that of the false deck, that of the first battery, of the second battery, of the forecastles and gangways, of the tops and of the ship's exteriors” (*de celle du faux - pont, de celle de la première batterie, de la seconde batterie, des gail-lards et passe-avants, des hunes et des dehors du vaisseau.*) As crew and soldiers are an integral part of the running and installation of the ship, Missiessy also kept this in mind in his writing. “The distribution of the crew, for the different maneuvers at anchor and under sail, for combat, boarding, for a descent, etc., must be considered as a dependency of the installation” (*la répartition de l'équipage, pour les différentes manoeuvres à l'ancre et à la voile, pour le combat, l'abord-age, pour une descente, &c., devant être considérée comme une dépendance de l'installation.*)

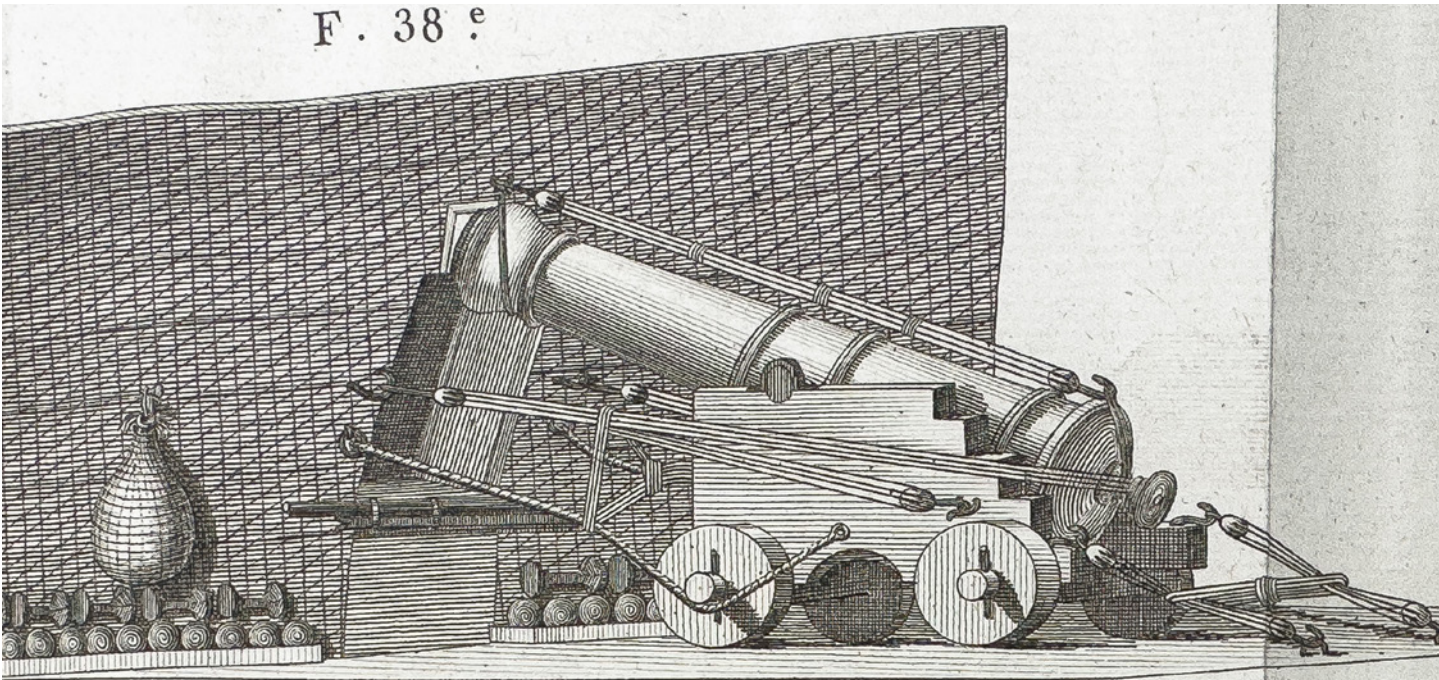
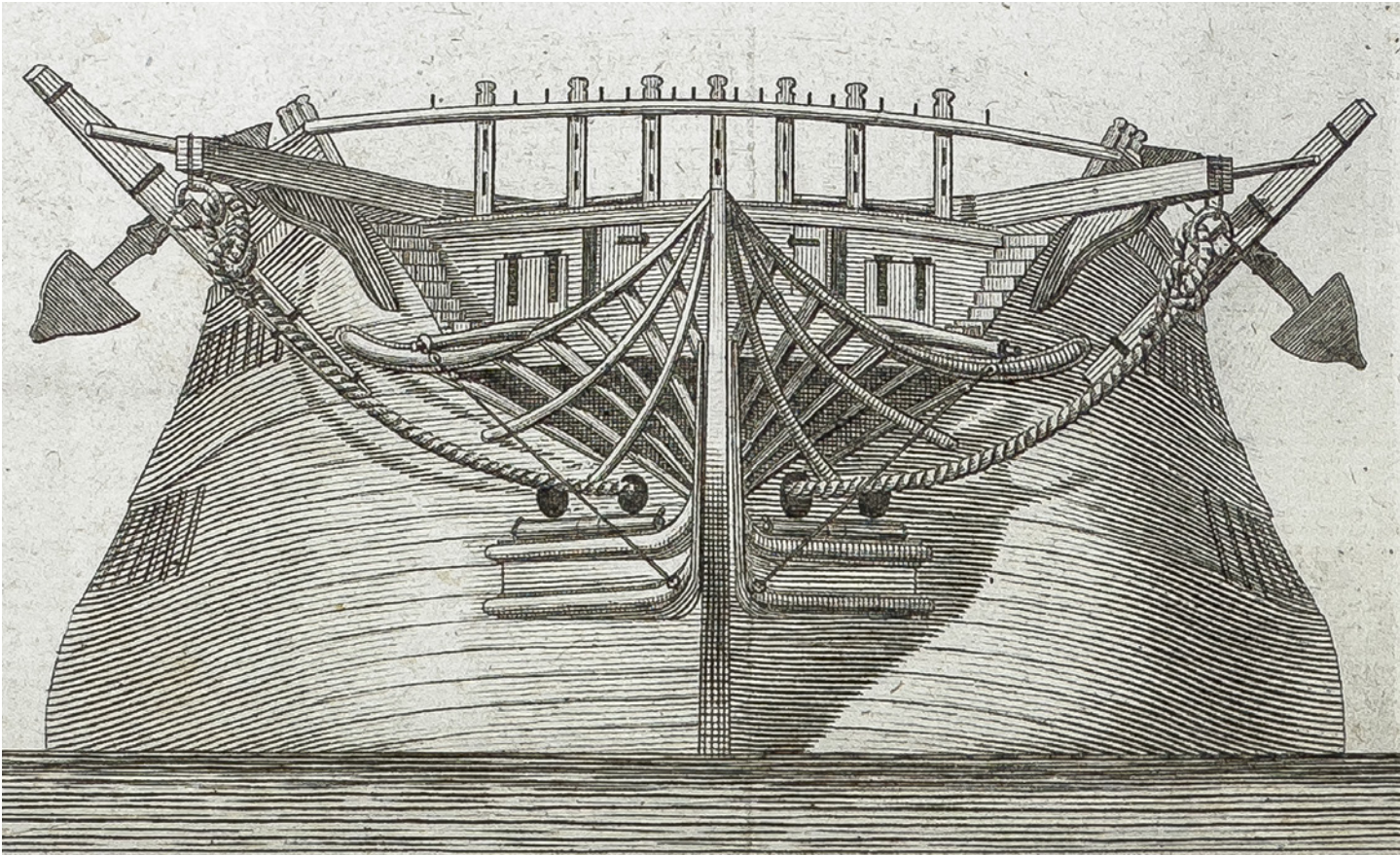
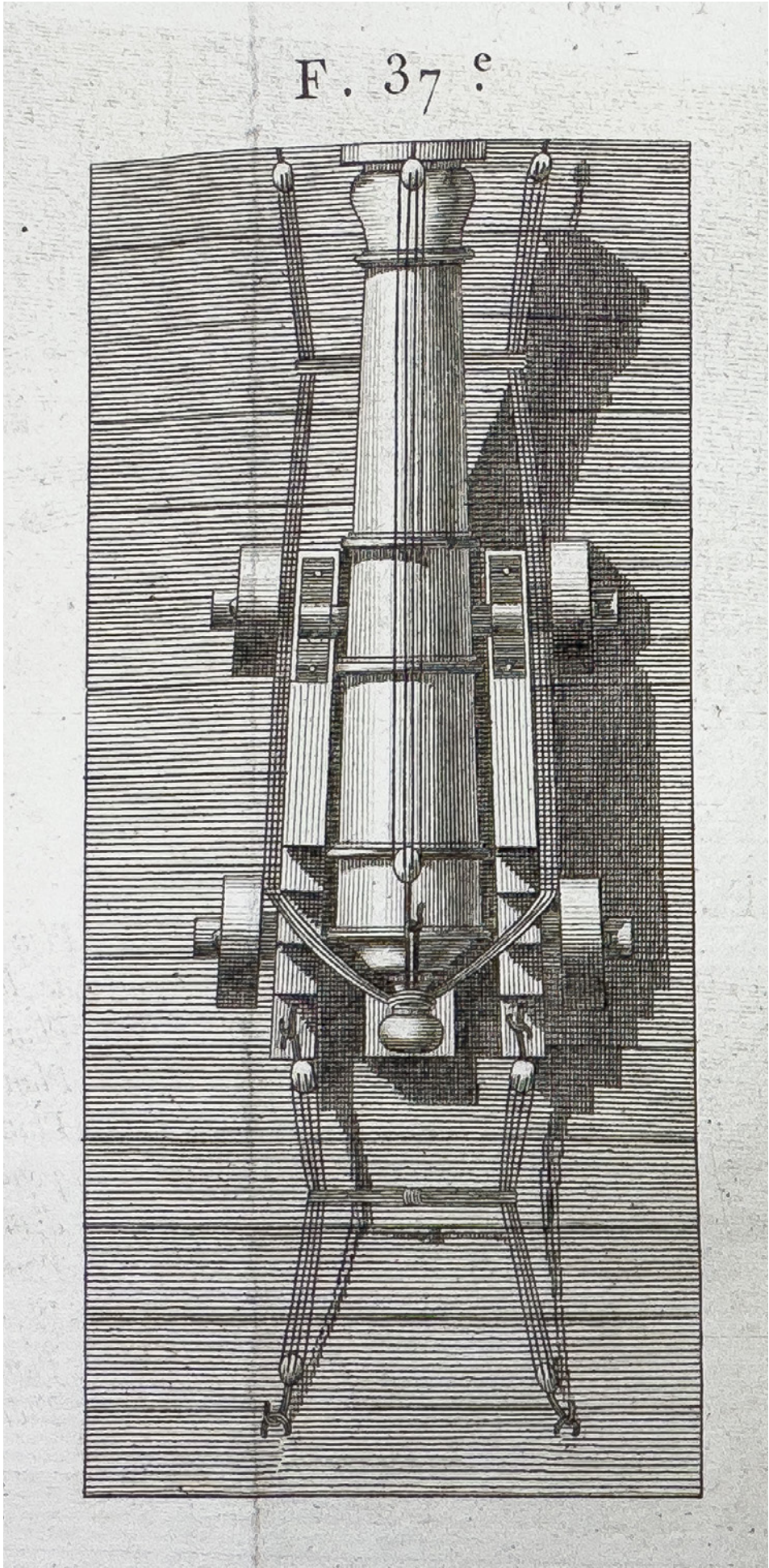
With nine exquisitely engraved, oversized folding plates, all in very good condition. Each plate illustrates the various aspects described in the book, including a plate which measures 533 × 660 millimeters (21 × 26 inches) when unfolded. This plate depicts a side view of the 74-gun ship at full mast. Scarce with all nine plates.

From the library of Jaroslav Polívka.

OCLC locates four copies in the United States at Cornell, University of California, Irvine, University of Chicago, and Indiana University. There are several copies outside of the United States.

\$2,250





Explication des Figures		
18.	Plan de l'emmenagement du dessous de la Dunette.	36
19.	Plan du Pont de la Dunette.	37
20.	Plan Vertical des poulies marionnettes.	

Entirely Engraved Baroque Architecture

Montano, Giovanni Battista

Montano, Giovanni Battista. *Scielta d. varii tempietti antichi: con le Piante et Alzatte Desegnati in Prospettiva D. M. Gio. Batta. Montano Milanese date in Luce Per Gio. Batta Soria.*Rom.º a beneficio publico, et fatti intagliare in Rame dedicati al illustriss.º et rever.º Segnor Cardinale Borghese.

Rome: Apresso il sudetto soria con licientia de superiori, 1624. In Italian. 345 × 260 mm. (13.5 × 10 in.) Folio: [4] p.l., 66 ll. 4 copper engraved preliminary leaves, 66 numbered copper engraved plates. Almost very good. Contemporary quarter calf over paste paper boards, some rubbing on upper board, spine gilt in six compartments, gilt red Morocco spine label, occasional faint foxing.

A rare complete copy of the First Edition of the first volume (of 5) of this work. [An absolutely fantastic collection of architectural renderings of “various ancient temples” imagined by wood carver and architect, Giovanni Battista Montano \(1534–1621\).](#) This work was curated from the collection of Montano’s work and printed posthumously by a student of Montano’s: Giovanni Battista Soria (1581–1651).

Montano is mostly known for his prodigious and well-received wood carvings. However, in 1590 he was commissioned to design the church of San Giuseppe dei Falegnami in Rome. It still exists today and reflects his love of carving as it is highly ornate. In the 1620s Soria began his career as an architect and received many commissions for designing the facades of a number of Roman churches as well as for the library of the Palazzo Barberini.

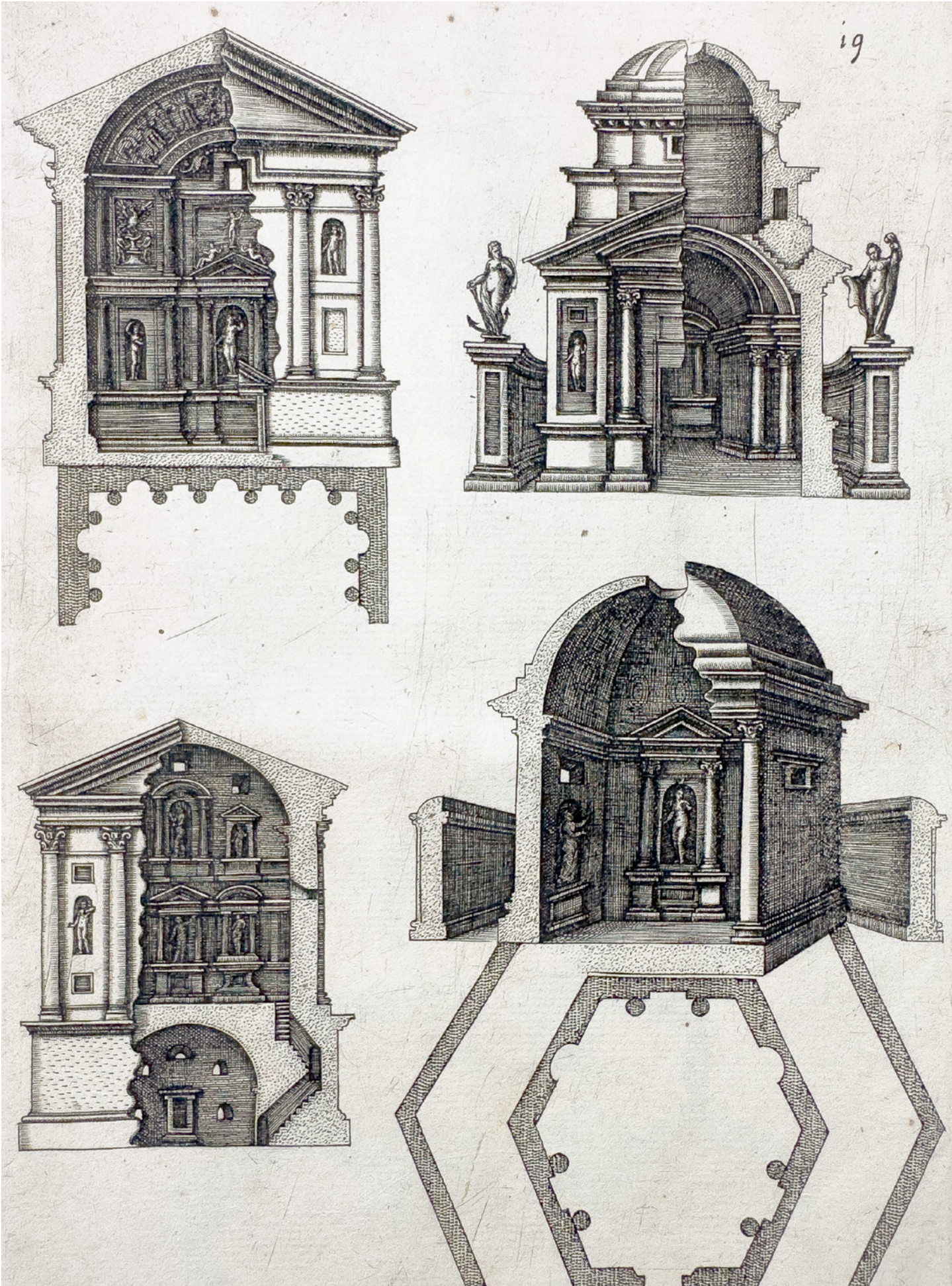
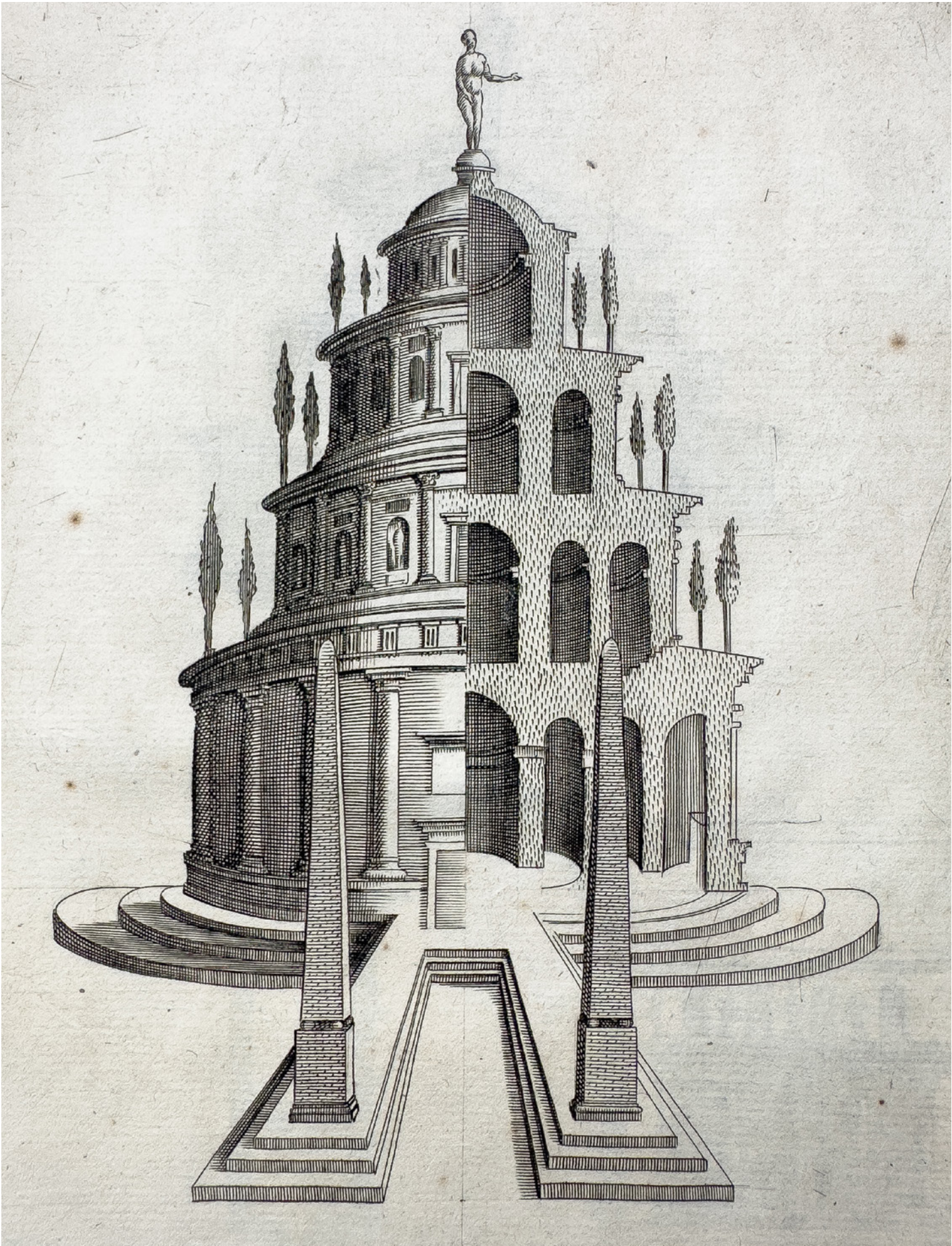
Entirely engraved, with ornate title page, dedication page (to the Cardinal Borghese from Soria), two portraits of Montano and Soria (signed by Hieronymus David), and all 66 plates of architectural illustrations (signed by Hieronymus David on plate 66.)

At the time of cataloguing, no other copies for sale.

From the library of Jaroslav Polivka.

\$950





Penther, Johann Friedrich. *Erster Theil einer ausführlichen Anleitung zur Bürgerlichen Bau=Kunst enthaltend ein Lexicon Architectonicum oder Erklärungen der üblichsten Deutschen, Französischen, und Italiänischen Kunst=Wörter der Bürgerlichen Bau=Kunst, nicht minder derer schweren Lateinischen Vitruvianischen zu gemeldter Bau=Kunst gehörigen Wörter entworffen von Johann Friedrich Penther, Königl. Großbritannien Rath, Professore auf der Georg-August-Universität und Ober=Bau=Inspectore. Dritte Auflage.*

Augsburg: bey Johann Andreas Pfeffel, Kunstverleger, druckts Johann Jacob Lotter, 1775. In German. Folio. 4 volumes: vols. 1 and 2 third edition, vols. 3 and 4 second edition. A cohesive set with all bindings matching.

Volume I

[8] p.l., 164, [4], [1 – blank] pp. 345 × 215 mm. (13.5 × 8.5 in.) Engraved double-page frontispiece, 3 large engraved headpieces, 1 large woodcut headpiece, 30 engraved plates (one of which is a double-page.) Very good. Contemporary calf, blind fillet around sides, boards lightly rubbed, spine ornately gilt in 7 compartments, red edges, paste paper endpapers, ownership stamp of “Antonin Baum” (crossed out with blue pencil) on frontispiece and title page, occasional underlining in red pencil, occasional faint foxing.

Together with a laid in typewritten transcription of the title page. Per discussion with Ron Polívka, this typewritten page is by Milos Polívka.

Volume II

Zweyter Theil der ausführlichen Anleitung zur Bürgerlichen Bau=Kunst, worinn durch zwanzig Beyspiele gewiesen, wie die Erfindungen von allerhand Wohn=Gebäuden aus Stein und Holz / nach willführlichen und nach eingeschn-ckten Maasen, regulaire und irregulaire, schmale und breite, (und diese ansehnlich mit wenigen Kosten) und dann mit Risaliten und mit Flügeln heraus zu bringen und

Hauptrisse davon zu machen; Ferner wie die Grundrisse und Ausrisse und zwar letzere orthographisch und perspectivisch, und die Durchschnitte entweder mit den Seiten des Gebäudes paralle oder überecks, oder perspec-tivisch entworffen und mit Tusche oder mit Farben deutlich und zierlich ausgearbeitet werden sollen; Zulezt wie nach gemachten Vorrissen ein Gebäude würrklich auszuführen sey. Alles jedoch noch ohne Säulen=Ordnungen entwor-fen von Joh. Fried. Penther, k.G.R.u.P.z.G.

Augsburg: Verlegts Johann Andreas Pfeffels seel, Wittib, gedruckt bey Johann Jacob Lotter, 1779. In German. [13] p.l., 182, [13], [3 – blank] pp. 345 × 215 mm. (13.5 × 8.5 in.) Engraved frontispiece, 1 large engraved headpiece, 2 large woodcut headpieces, one woodcut tailpiece, 70 engraved plates (two of which are double-page.) Very good. Contemporary calf, blind fillet around sides, boards lightly rubbed, spine ornately gilt in 7 compartments, red edges, paste paper endpapers, ownership stamp of “Antonin Baum” (crossed out with blue pencil) on title page, occasional faint foxing, marginal damp staining to a few of the preliminary leaves (not affecting text), occasional underlining in red pencil.

Volume III

Dritter Theil der ausführlichen Anweisung zur Bürgerlichen Bau=Kunst, worinn von richtiger Kennung, genauer Einsicht, leichter Zeichnung, und endlich von siche-rer Anwendung der Säulen=Ordnungen, und ihren Bey=Stücken, gehandelt wird. Welches alles auf alte Architectonische Monumenta gegründet, und aus der bewerthesten Schriftsteller Entwürrfen mit besonderm Fleiß und Mühe ausgezogen, und in Eins gebracht; auch mit vielen Vortheilen, sowohl wegen Zeichnung, als Ausarbeitung des Säulenwercks versehen von Joh. Fried. Penther, k.R. und P.

Augsburg: Verlegts Johann Andreas Pfeffel, weil. kayserl. hof=kupferstecher, gedruckt bey Johann Jacob Lotter,

1767. In German. [8] p.l., 122, [10], [2 – blank] pp. 345 × 215 mm. (13.5 × 8.5 in.) Engraved frontispiece, 2 large woodcut headpieces, 3 woodcut tailpieces, 51 engraved plates (3 of which are double page.) Good. Contemporary calf, blind fillet around sides, boards lightly rubbed, upper board with small chip, spine ornately gilt in 7 compartments, red edges, paste paper endpapers, ownership stamp of “Antonin Baum” (crossed out with blue pencil) on title page, occasional faint foxing, marginal damp staining to a few of the preliminary leaves (not affecting text), wormholes going through pages [1] – 64 on lower margin (not affecting text), wormholes going through plates XLII-LI on outer margin (affecting engravings but sense still very much clear.)

Volume IV

Vierter Theil der ausführlichen Anleitung zur Bürgerlichen Bau=Kunst, worinn von publiquen weltlichen Gebäuden / als von Fürstlichen Residenz – Schlössern samt darzu gehörigen Neben=Gebäuden, bestehend in Capelle, Cantzlen, Marstall, Bibliothec, Kunst=Kammer u. von Rath=Häusern, Marckt=Plätzen, Land=Ständen=Häusern, Börsen, Wage=Häusern, Stadt=Thoren, Ehren=Pforten, Zeug=Häusern, Proviant-Häusern, Casernen, Corp-de-Garden, Pulver=Magazins, Zucht=Häusern, Opern-Häusern, Hetz=Gebäuden, Reit=Häusern und Ball-Häusern dergestalt gehandelt, daß theils von würrklich aufge-führten Gebäuden gemeldter Gattungen Entwürrffe und Erläuterungen mitgetheilet, theils neue Desseins davon entworffen und ihren nöthigen Eingenschaften nach durchgegangen werden, auch solchen allen eine Vorbereitung vom Ort, wo man am besten bauen kan, und von Stellung derer Gebäude nach den rechten Welt=Gegenden vorangesetzt wird von Johann Friedrich Penther.

Augsburg: zu finden bey Johann Andreas Pfeffel. Gedruckt bey Johann Jacob Lotter, 1771. In German. [7] p.l., 102, [6], [1 – blank] pp. 345 × 215 mm. (13.5 × 8.5 in.) Engraved

double-page frontispiece, 1 large engraved headpiece, 2 large woodcut headpieces, 2 historiated initials, 2 woodcut tailpieces, 86 engraved plates (24 of which are double-page and 1 of which is large folding.) Very good. Contemporary calf, blind fillet around sides, boards lightly rubbed, small chips to lower board, spine ornately gilt in 7 compartments, red edges, paste paper endpapers, black ex libris stamp of “Juc. Jan Polívka” on recto of 1st preliminary leaf, ownership stamp of “Antonin Baum” (crossed out with blue pencil) on title page, occasional faint foxing, marginal damp staining to a few of the preliminary leaves (not affecting text), occasional underlining in red pencil.

Scarce in the United States, the third edition of volumes I & II and second edition of volumes III & IV—OCLC locates only one copy of volume IV in the Unites States, at the Smithsonian. **Written by German mathematician, univer-sity professor, master builder, and architectural theorist, Johann Friedrich Penther (1693–1749) this is an important early 18th-century architectural reference work.** In the fore-word of Volume I, Penther writes that he took it upon himself to write these works as he wanted to be sure that students would have printed texts to refer to that would give them enough of the basics of architectural concepts so that they wouldn’t have to rely entirely on the oral knowledge dictated by their professors. He also provides an outline of his origi-nally intended eight volumes, of which he was only able to finish four, as he died before he could complete his work.

Volume I is a lexicon of the most commonly used terms in architecture which includes the German, French and Italian words for each term. Additionally, in the case of words which originated with the 1st-century Roman architect and engineer, Marcus Vitruvius, Penther provides further explication in order to enlighten architecture students who might find Vitruvian concepts to be a bit obfuscating. With a double-page frontispiece depicting Friedrich Ludwig, Prince of Wales, to which this work is dedicated, drawn

by Georg Daniel Heumann (1691–1759). The body of this work is illustrated by thirty engraved plates by the author. Although a table is provided indicating the contents of each plate, additionally, the plate numbers are printed next to their corresponding words in the lexicon.

Volume II contains detailed architectural instructions, including twenty examples of how to create all kinds of residential buildings made of stone and wood in any size “and these attractively at little cost” (*und diese ansehnlich mit wenigen Kosten*) as well as how a building should actually be built according to the preliminary plans. This volume is illustrated by 70 engraved plates by Penther, with cross references to plate numbers provided throughout the work.

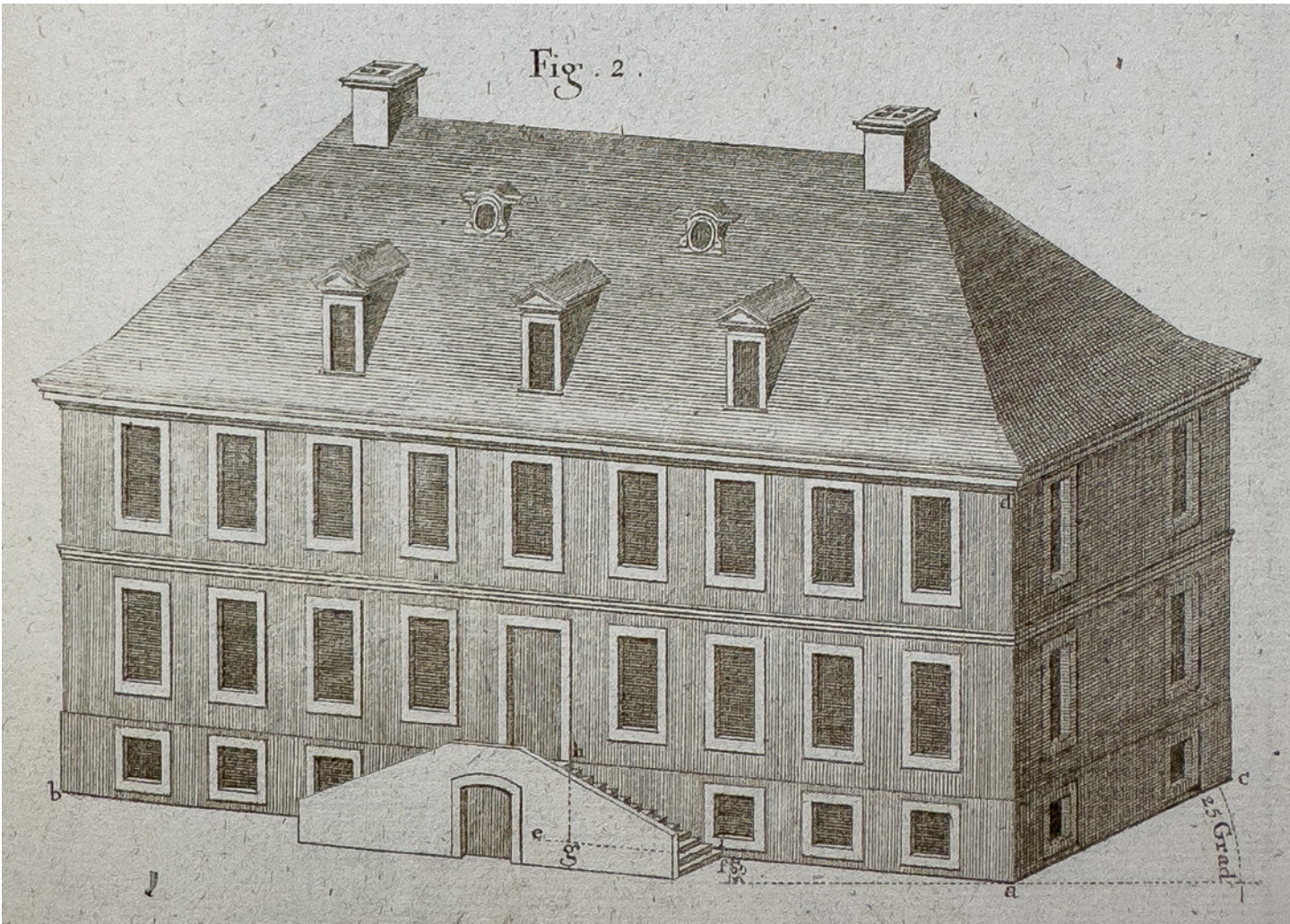
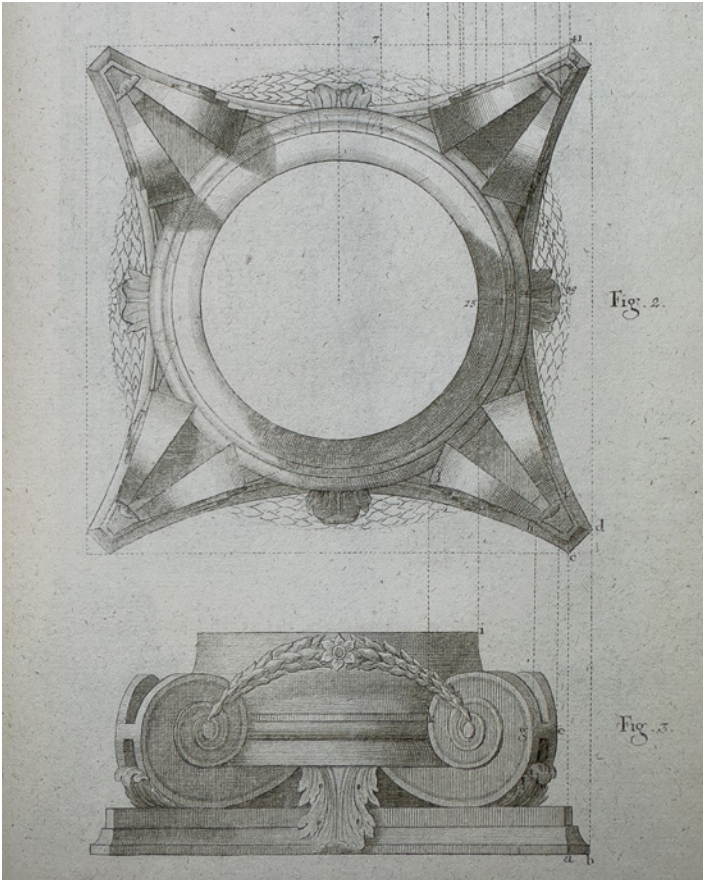
Volume III bears instructions on how to draw architectural plans for various types of columns. With 51 engraved plates illustrated by Penther.

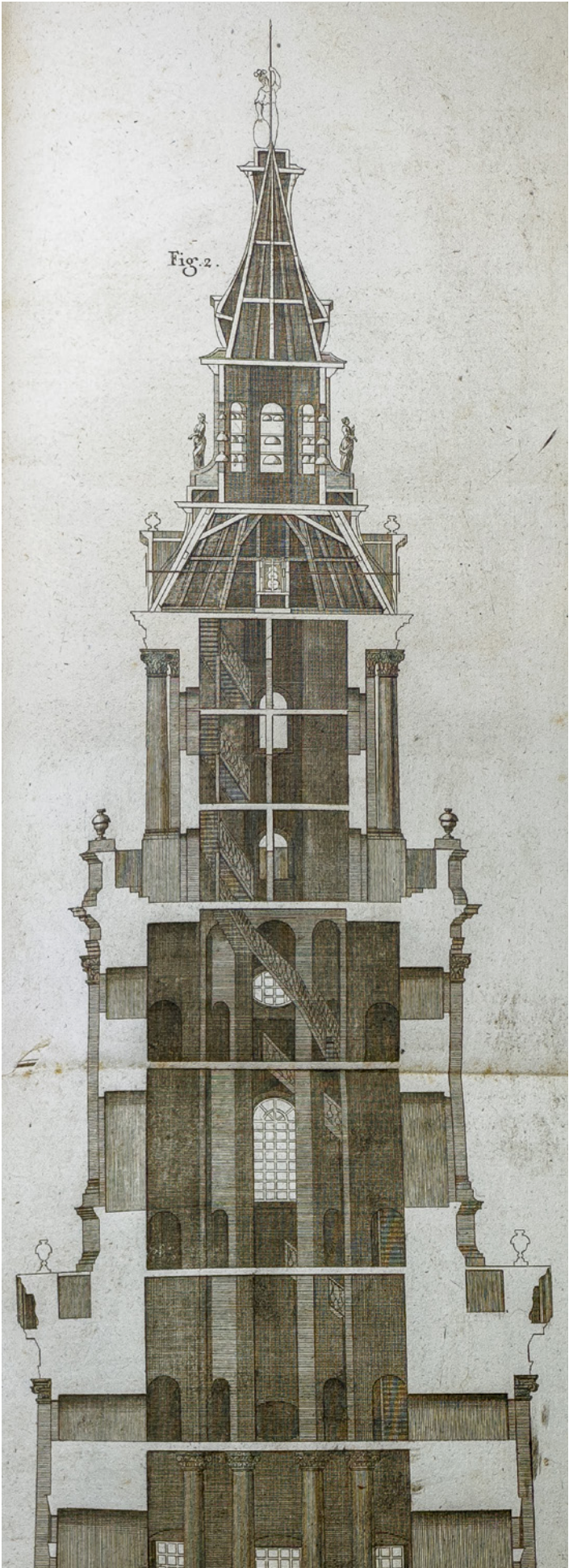
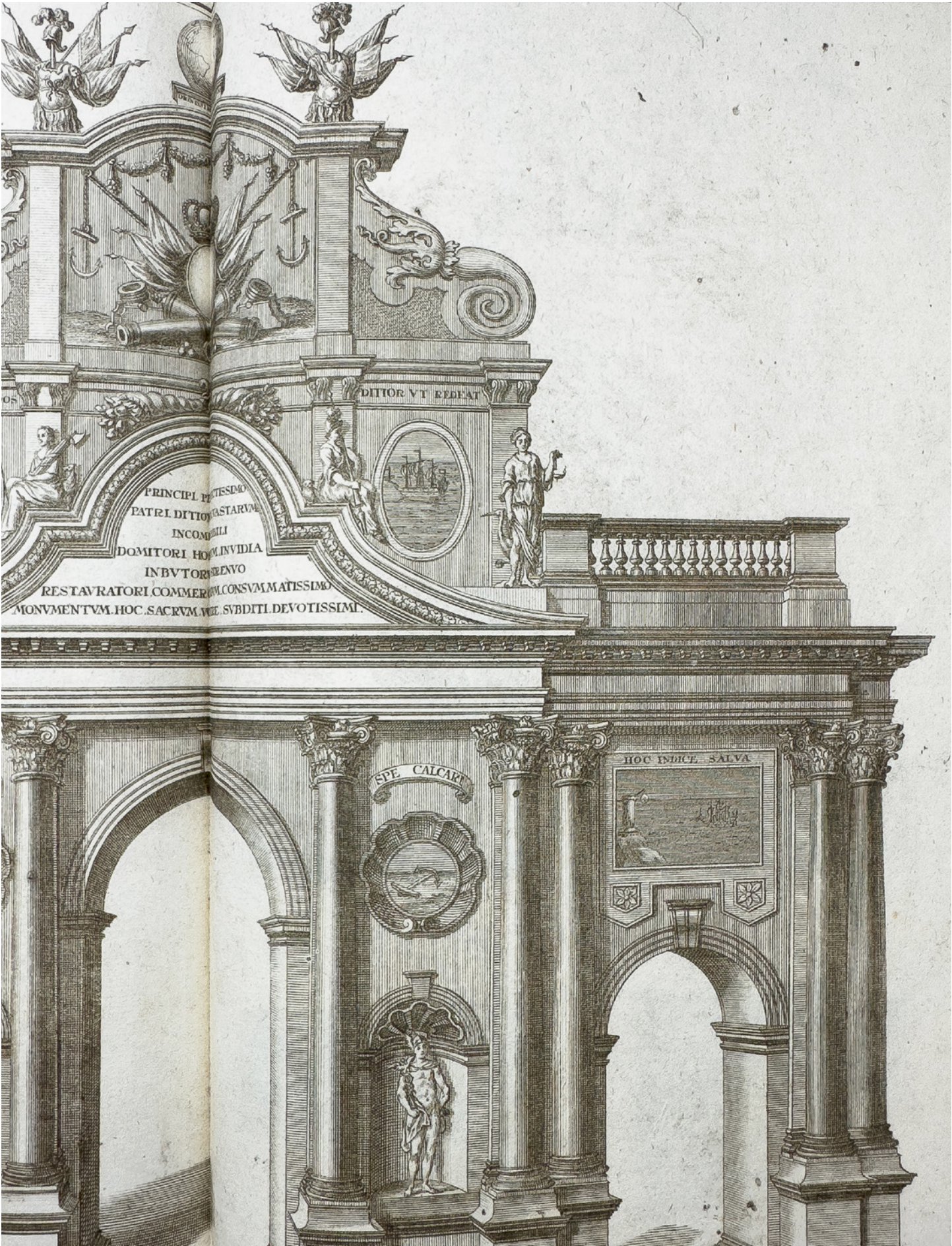
In Volume IV, Penther describes the various positives and negatives involved in building in town versus in the country. He includes plans for famous buildings to study with beautifully drawn plates showing views, floor plans, elevations and details of the palaces in Versailles, Weissenstein, Ludwigsburg, and the city palace in Hanover; the opera houses in Berlin and Hanover; as well as town halls, market squares, and barracks. With an astonishing 86 engraved plates (24 of which are double-page and 1 of which is large folding) all drawn by Penther.

From the library of Czech archeologist, architect, and monument conservator, Antonín Baum (1830–1886) and subsequently in Jaroslav Polívka’s personal collection.

Bibliography: Poggendorff II, 399 & 400; Graesse V, 195; not in Sammlung Seemann.

\$4,950





With an Engraved Plate by Sister Isabella Piccini

Polidoro, Virgilio [Polydore, Virgil]. *Di Polidoro Virgilio da urbino de gli inventori delle cose. Libri Otto. Tradotti per Francesco Baldelli, Con due Tavole, una de' Capiloti, e l'altra delle cose più notabili. Consagrati al Merito de Nobilissimi Virtuosi di questa Patria.*

Brescia: Per Domenico Gromi, Con Lic. de'Super, MDCLXXX [1680]. In Italian. 220 × 150 mm. (8.5 × 6 in.) 4to. [1], [1 – blank], [53], [1 – blank], 383, [1 – blank] pp. One engraved plate, numerous woodcut historiated and decorative initials, title page printed in red and black, woodcut vignette on title page, 12 woodcut tailpieces. Good. Contemporary vellum, gilt Morocco spine label, spine lightly rubbed, blue and red-speckled edges, marginal wormhole through upper pastedown, upper free endpaper, engraved plate, and first 28 pages (affecting upper edge of plate, and just touching 4 words (sense still clear), black ex libris stamp of “Juc. Jan Polívka” on recto of upper free endpaper, marginal tear to the leaf of pages [9] and [10] just touching one letter (sense still clear), marginal tear to Q³ (not affecting text), natural paper flaw at Q⁴ (not affecting text), occasional underlining in red pencil, illegible name in red pencil on lower pastedown.

A lovely edition of the Italian translation of Virgil Polydore’s encyclopedic work. **With an engraved plate by Sister Isabella Piccini (1644–1732).** The daughter of the printer Giacomo Piccini (died 1669), she is becoming better known for her many 17th- and 18th-century engraved portraits commissioned by Italian publishers. Her father trained her

in engraving in the style of the great masters such as Peter Paul Rubens and Titian. Isabella became a Franciscan nun in 1666, joining the Convent of Sante Croce. All income she made was split between the convent and her family.

The author, Virgil Polydore (1470–1555) writes on a great number of interesting topics in eight parts. In the first part he discusses the origin of the gods and religion; the origin of the variety of languages; ancient marriage rituals; tragedy, comedy, & satire; rhetoric; philosophy; aphrodisiacs; astronomy; math; medicine; magic; and the art of indulgence. The second part covers reason; law; government; bibliography; printing; military arts; equestrianism; civil engineering; the Olympic Games; metallurgy; jewelry; glass; and visual arts. The third section is on agriculture; viticulture; gastronomy; the history of clothing & textiles; soap; architecture; theater; the art of navigation; commerce (including prostitution); and hairdressing.

The following five sections focus primarily on various aspects of the Christian religion such as baptism; the priestly order; rites & rituals; lent; ceremonies around death; monastic life; and the worship of saints.

With an index of notable words and people mentioned in the text.

From the library of Jaroslav Polívka.

\$395

Polidoro, Virgilio [Polydore, Virgil]



Redelykheid's Invention

Redelykheid, Cornelius. *Des Herrn Cornelius Redelykheid, neu=erfundene Vertiefungsmaschine, um versandete und angeschlammte Flüsse zu räumen. Aus dem Holländischen übersezt. Mit drey Kupfertafeln.*

Wien: Gedruckt bei Joseph Kurzböck, k.k. Hofbuchdrucker und Buchhändler, 1776. In German. 395×250 mm. (15.5×10 in.) Folio. [1] p.l., 28 pp. Woodcut vignette on title page, large woodcut headpiece on page [9], woodcut tailpiece on page 28, three large folding engraved plates. Good; lower half of pp. 27, 28, and all three engraved plates damp stained and wrinkled at the fold.

Contemporary half calf over speckled boards, boards rubbed, edges of boards rubbed, corners bumped, head of spine worn away, gilt spine label, red edges, marbled endpapers, book plate of “Dr. Ing. Jaroslav Polívka” mounted onto upper pastedown, 4-line inscription in Czech signed “Jaroslav Polívka” on verso of upper free endpaper, translation of notation into English tipped in on recto of preliminary leaf, “oster” written in faded ink on title page.

Rare first German translation of the Dutch, *De Nieuw uitgevonden diep-machine Afgebeeld op drie koperen platen. Uitgevonden, beschreven en in 't ligt gebragt tot nut en dienst van 't algemeen, en ter bevordering van Konsten en Weetenschappen*, a treatise on a dredging machine invented by the author, Cornelius Redelykheid (1728–1788). Redelykheid’s invention made it possible to clear waterways that had been rendered impassable by sand and mud. This machine was invented primarily for commercial purposes, as ships were no longer able to deliver goods to warehouses. In the foreword, the author/inventor writes that he has printed this book along with diagrams in answer to the overwhelming correspondence he has received from various places in Europe asking for instructions on how to build his

dredging machine so that they too could clear their waterways effectively.

With three large folding engraved plates showing the dredging machine from several angles. Redelykheid’s famous machine also graces the cover of Mark E. Andrews, *The Science and Engineering of Materials. Theatre of Machine Books 1472–1800*. Toronto: AE Publications, 2023.

Redelykheid was a hydraulic engineer, inventor and prolific writer. He is best known for his invention of the sluice gate that is powered by water which he describes in detail and with illustrations in the second work bound in with this one.

From the library of Jaroslav Polívka, with a magnificent bookplate designed for him by his friend the renowned Czech artist Josef Váchal (1883–1969.) “Váchal’s work reflects his interests—he indulged in mysticism and the occult sciences, was inspired by Eastern philosophies, Christianity, but also Satanism, by penny-dreadful ... pamphlets ... as well as street-peddlers’ songs.... His artistic style was very much his own, and did not align with any established artistic trends.” (Portmoneum.cz)

On the verso of upper free endpaper, there is a 4-line inscription in Czech written and signed by Jaroslav Polívka which translates to: [“This book was gifted to me by Otakar Materna’s family, who was cremated on Sept. 12, 1928, to remember a dear man and a friend.”] Otakar Materna (1860–1928) was an Austrian and Czech construction entrepreneur, architect and politician.

Bound with:
Redelykheid, Cornelius. *Des Herrn Cornelius Redelykheid, neu=erfundene Schleuse, und neue Art die Schleusen=Thore zu öffnen und zu schließen. Aus dem Holländisch übersezt. Mit sechs Kupfertafeln.*

Redelykheid, Cornelius

Wien: Gedruckt bei Joseph Edlen von Kurzböck, k.k. Hofbuchdrucker und Buchhändler, 1777. In German. 395×250 mm. (15.5×10 in.) Folio. 31, [3 – blank] pp. (Complete, although pages 21 and 22 are bound in after pages 23 and 24.) Woodcut vignette on title page, woodcut tailpieces on pp. 6 and 31, large woodcut headpiece on p. [7], six large folding engraved plates. Good; lower half of final page and all six engraved plates damp stained.

Extremely rare first German translation of the Dutch, *De nieuw uitgevonden sluis met in- en uitschuivende deuren afgebeeld op zes koperen platen : uitgevonden, beschreven en in't ligt gebragt tot nut en dienst van't algemeen, en ter bevordering van konsten en weetenschappen*, Redelykheid’s treatise on his invention of a sluice with a sliding gate for controlling the flow of water.

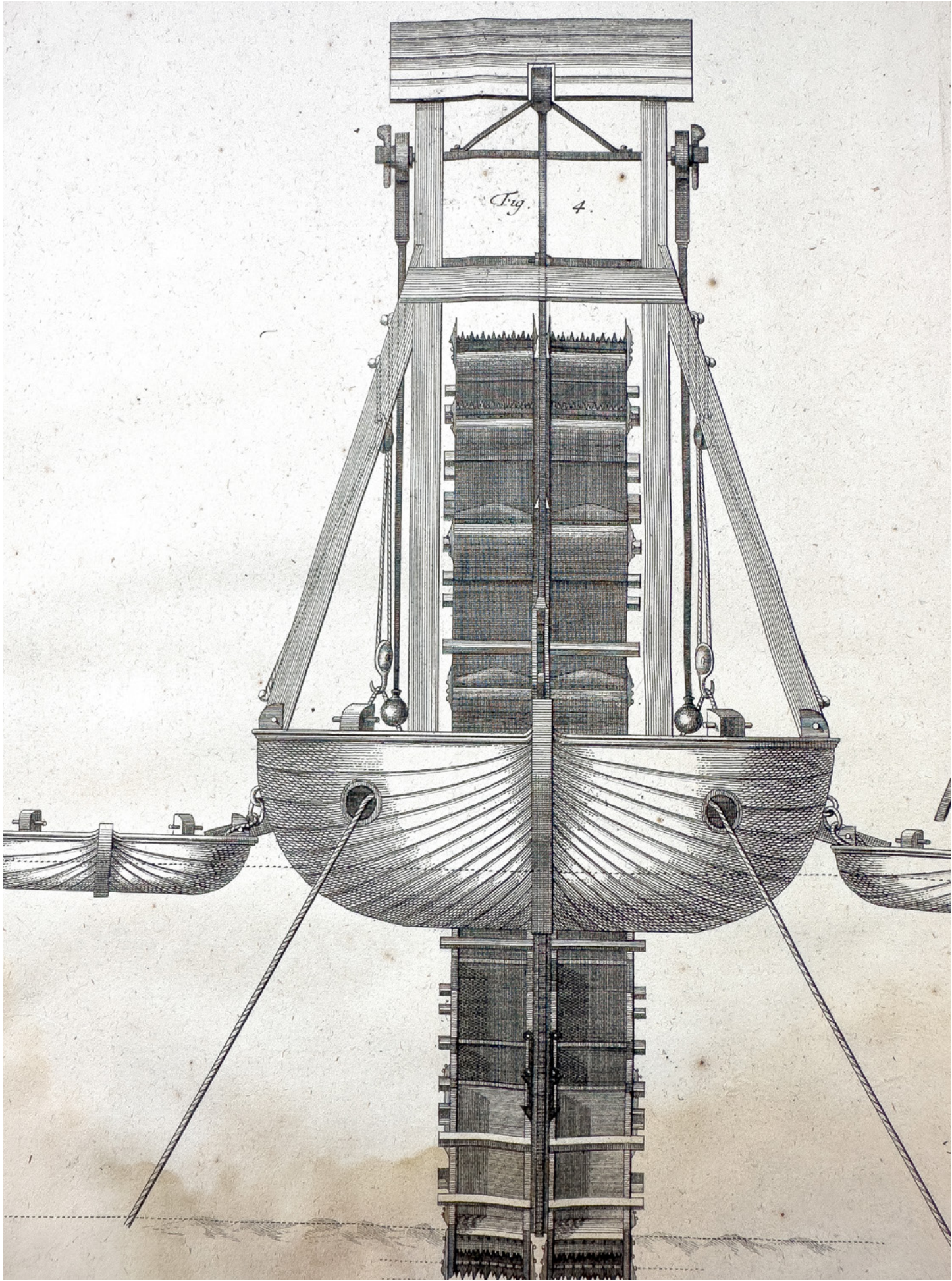
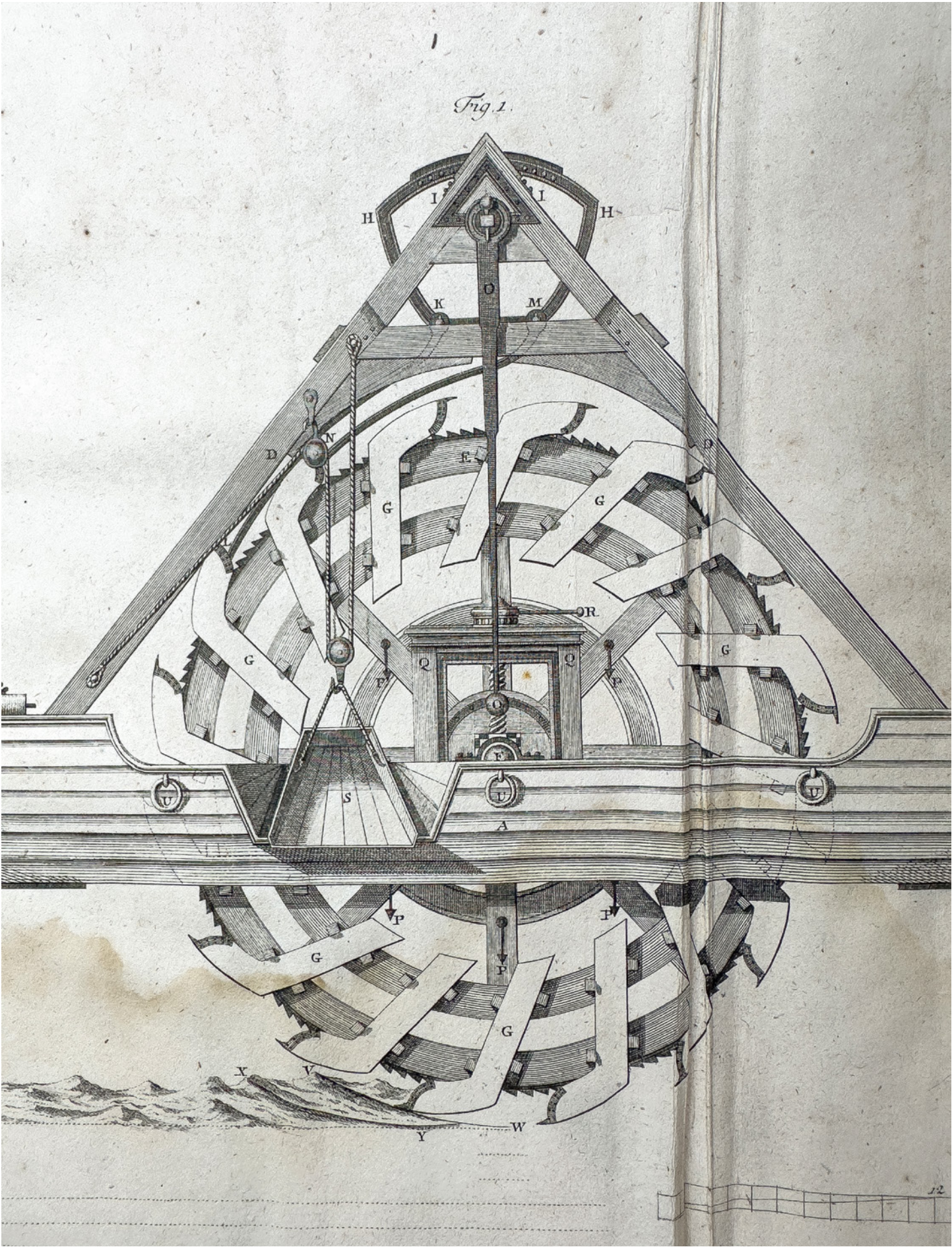
With six large folding engraved plates showing the inner-workings of the sluice and the overall construction of the surrounding building.

OCLC finds no locations for these works in the United States.

Bibliography: Andrews: Materials 359 (Dutch edition), 360 (French edition); Ornamentstichsammlung Berlin 3559.

\$3,950





Surirey De Saint-Remy, Pierre. *Memoires d'Artillerie, Où il est Traité des Mortiers, Petards, Arqebuses à Croc, Mousquets, Fusils, &c. & de ce qui peut servir à l'exécution & au service de toutes ces armes; des Bombes, Carcasses, Grenades, &c. de la fonte des Pieces, de la Fabrication du Salpestre & de la Poudre; des Ponts, des Mines, des Charettes & Chariots; des Chevaux, & generalement de tout ce qui depend de l'Artillerie Tant par Mer que par Terre. Del'arrangement des Magasins, la formation des Equipages & des Parc à la suite des Armées & pour les Sieges; de la marche des Equipages, & leur disposition dans un jour de combat. La maniere de deffendre les Places, & le devoir des Officiers, &c. Par le Sr. Surirey de Saint Remy. Tome Second.*

Amsterdam: Chez Pierre Mortier, Libraire. MDCC.II. [1702]. In French. 255 × 195 mm (10 × 7.5 in.) 4to. [6], 112, [1], [1 – blank], 113–386 pp. Title page printed in red and black, woodcut device on title page, three large engraved headpieces, 53 engraved plates, 16 folding engraved plates. Very good. Expertly restored (replaced?) boards with contemporary spine label with manuscript title, red ex libris stamp of “Juc. Jan Polívka” on title page, untrimmed, wide margins,

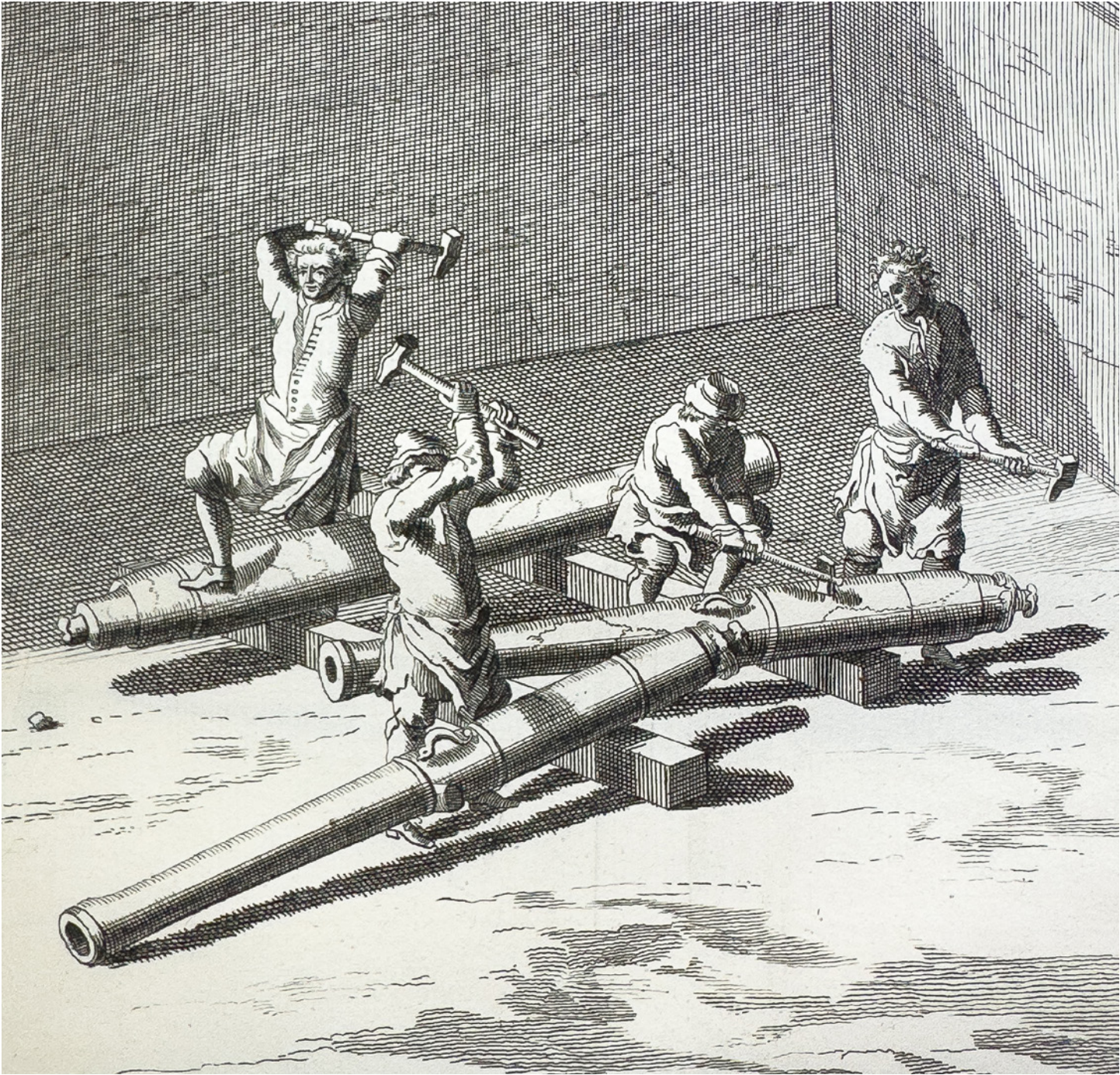
marginal tear to Hh¹, not affecting text, natural paper flaw at B⁴ and li³, not affecting text.

Volume two only (of two) of the second edition of the highly influential coeval French work on artillery. This publication went through three editions in the first fifty years (first edition 1697). In this volume the author describes how to utilize and care for mortars, petards, muskets, and rifles; how to cast canons; how to make saltpeter and gunpowder; how to build various explosives; how to use a horse-powered mill to forge weaponry; how to properly store flammable substances; how to transport weaponry by horsedrawn conveyances; how to prepare for siege; and how to arrange the ranks for combat. The author also writes on defense tactics both on land and at sea and the various duties of officers. **With 69 highly detailed engraved plates, a majority of which are by P. le Pautre after E. Fourier.** Each plate is followed by an explication of its parts.

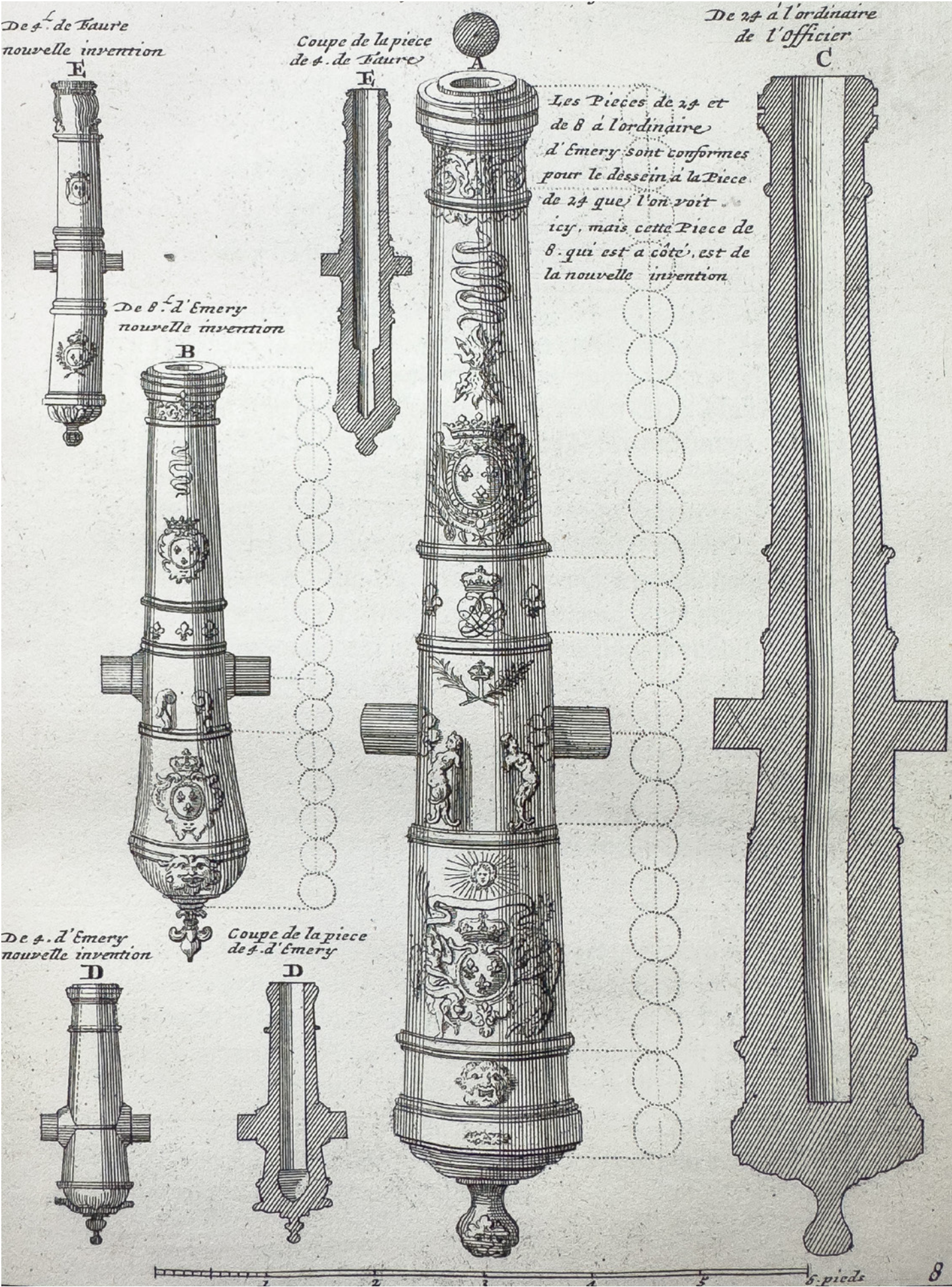
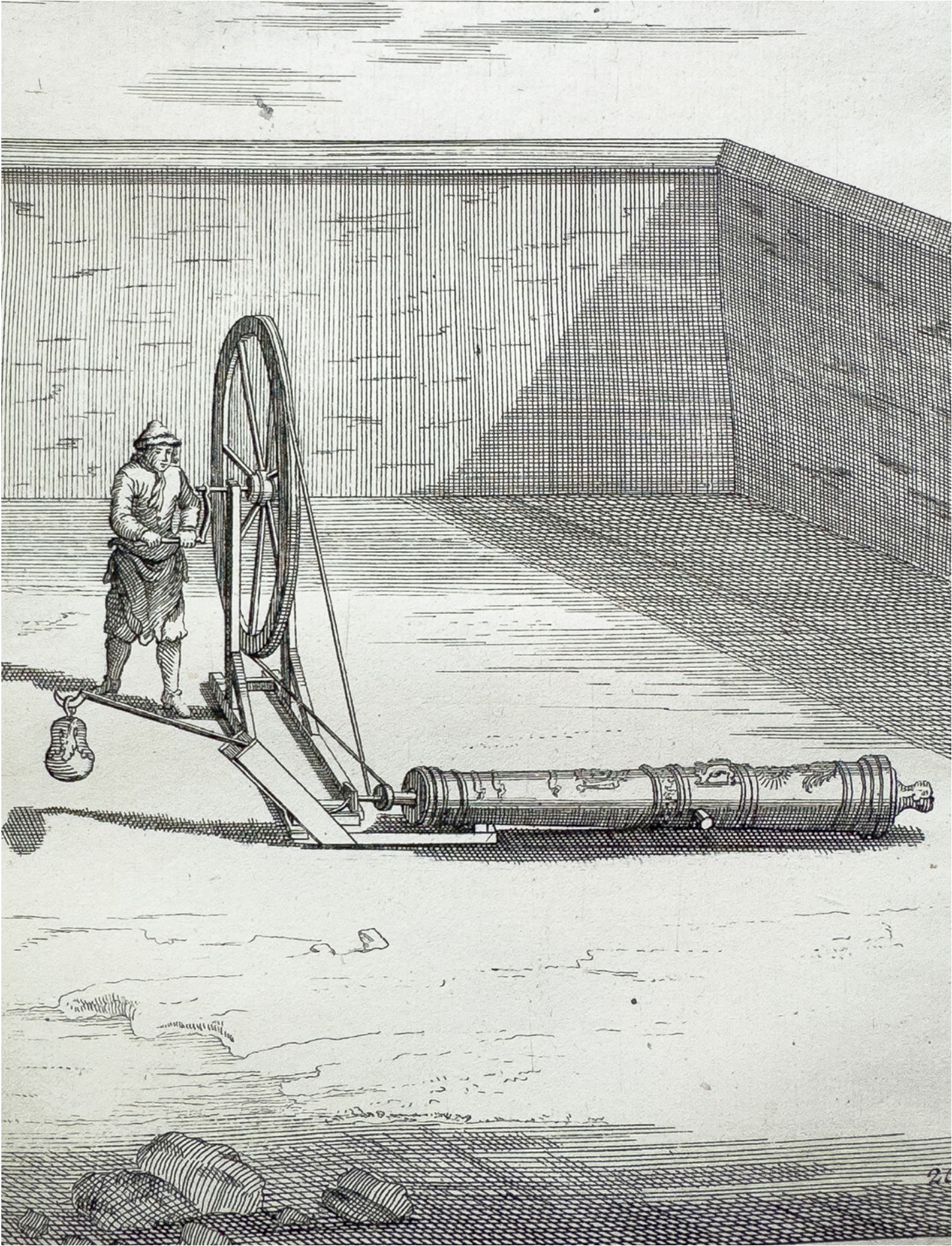
Surirey de Saint-Remy (1650–1716) was one of the chief artillery officers of the French army and was made Grand Master of Artillery in 1703.

From the library of Jaroslav Polívka.

\$950







First Book on the Salvage of a Large Ship

Zusto, Giovanni

Zusto, Giovanni. *Descrizione istorica dell'estrazione della pubblica nave La Fenice dal Canale Spignon, in cui giaque circa tre anni totalmente sommersa: impressa dall'eccellentiss.^{mo} Senato appoggiate alla nota esperienza del nobil uomo E. Giovanni Zusto prestantissimo senatore, e verificata sotto la di lui direzione, e commando. Scritta in ordine al decreto 23 Novembre 1786.*

[Venice:] Per li Figliuoli del Q. Z. Antonio Pinelli Stampatore Ducali, MDCCCLXXXIX [1789]. In Italian. 270 × 195 mm. (10.5 × 7.75 in.) 8vo. XXXII, 90, [1], [1 – blank] pp. Engraved frontispiece, 7 large folding engraved plates. Very good plus with the plates in remarkable condition. Contemporary marbled boards, boards lightly rubbed, faint foxing on edges, paper spine label with title in manuscript, spine rubbed and marbled paper peeling away in places, contemporary notation on upper pastedown of “2991,” red ex libris stamp of “Juc. Jan Polívka” on recto of frontispiece, faint foxing on frontispiece, purple stamp on title page of “Coll. Giulio Coggiola.”

First and only edition of [“a very important work for scholars of mechanics applied to navigation”] (Riccardi). [This work describes the astonishing 18th-century rescue of a 74-cannon ship that had been resting at the bottom of the Spignon Cannal in Venice for 3 years.](#) This area is incredibly muddy, and the currents run very strong. Giovanni Zusto, Senator of Venice, was charged with the enormous task of hauling this ship out of the canal as it was so large that it was proving to be a major obstacle for other large ships that needed to navigate this passage. Zusto began the project in June of 1785 and successfully hauled the foundered vessel out of the sea in the early part of 1786.

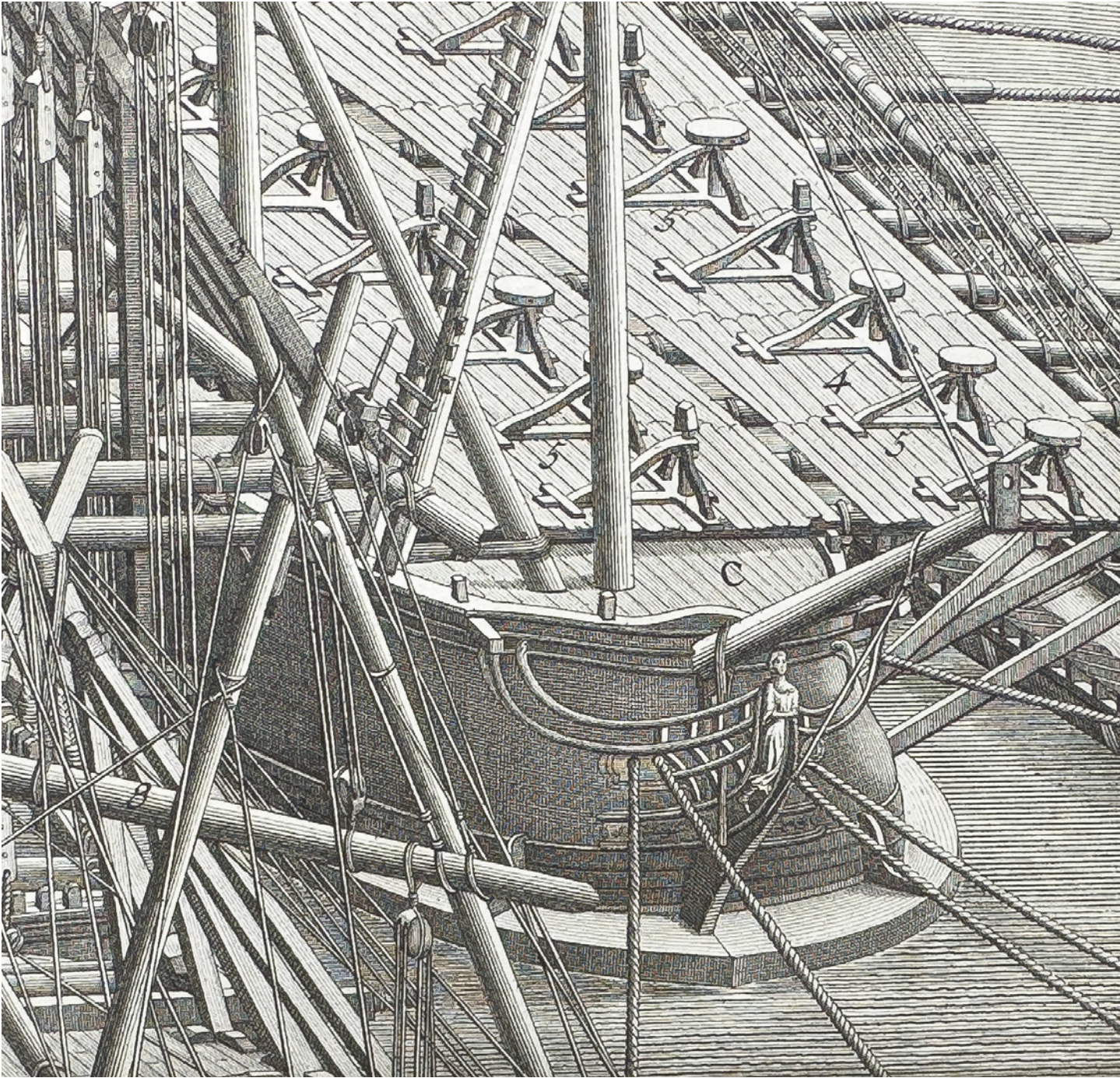
The engineer, collector and bibliographer Mark E. Andrews writes “[t]his is the first publication to record the salvage of such a large ship.” (Andrews: Water, 287 citing Phillips 2018, 2:651).

In this account, the author writes of previous failed attempts to extract the appropriately named, *La Fenice* (The Phoenix) as well as his own setbacks experienced in the process. He finally accomplished his task through the use of an intricate system of flotation devices with winches and pulleys. Key moments of this feat are illustrated in seven large folding plates by Giuseppe Daniotto after Giuseppe Cason. (Each plate measures 510 × 685 mm.) In the final chapter, Zusto writes about the major cleanup of the canal that he undertook once *La Fenice* was clear. Also included is a glossary of nautical terms.

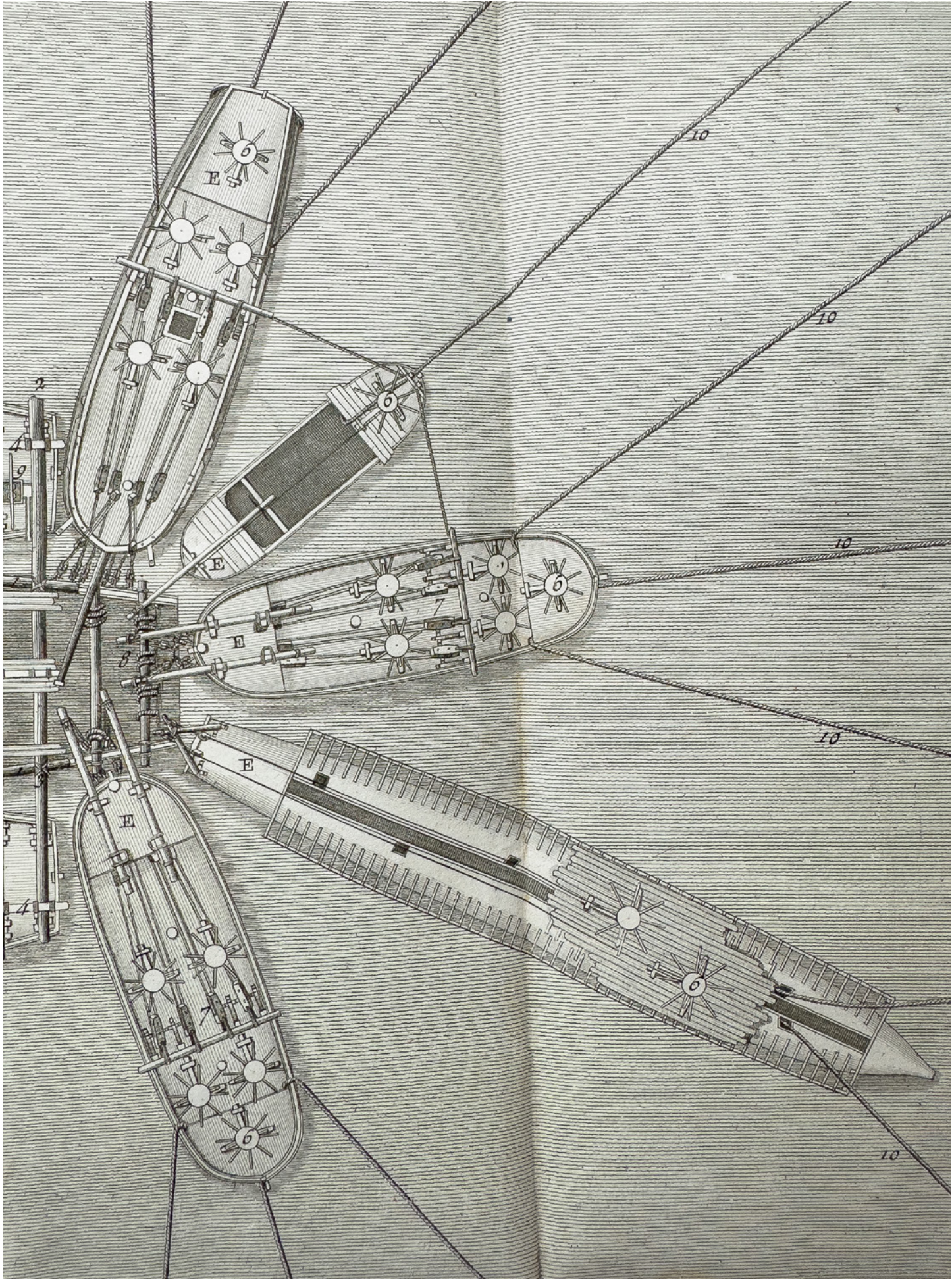
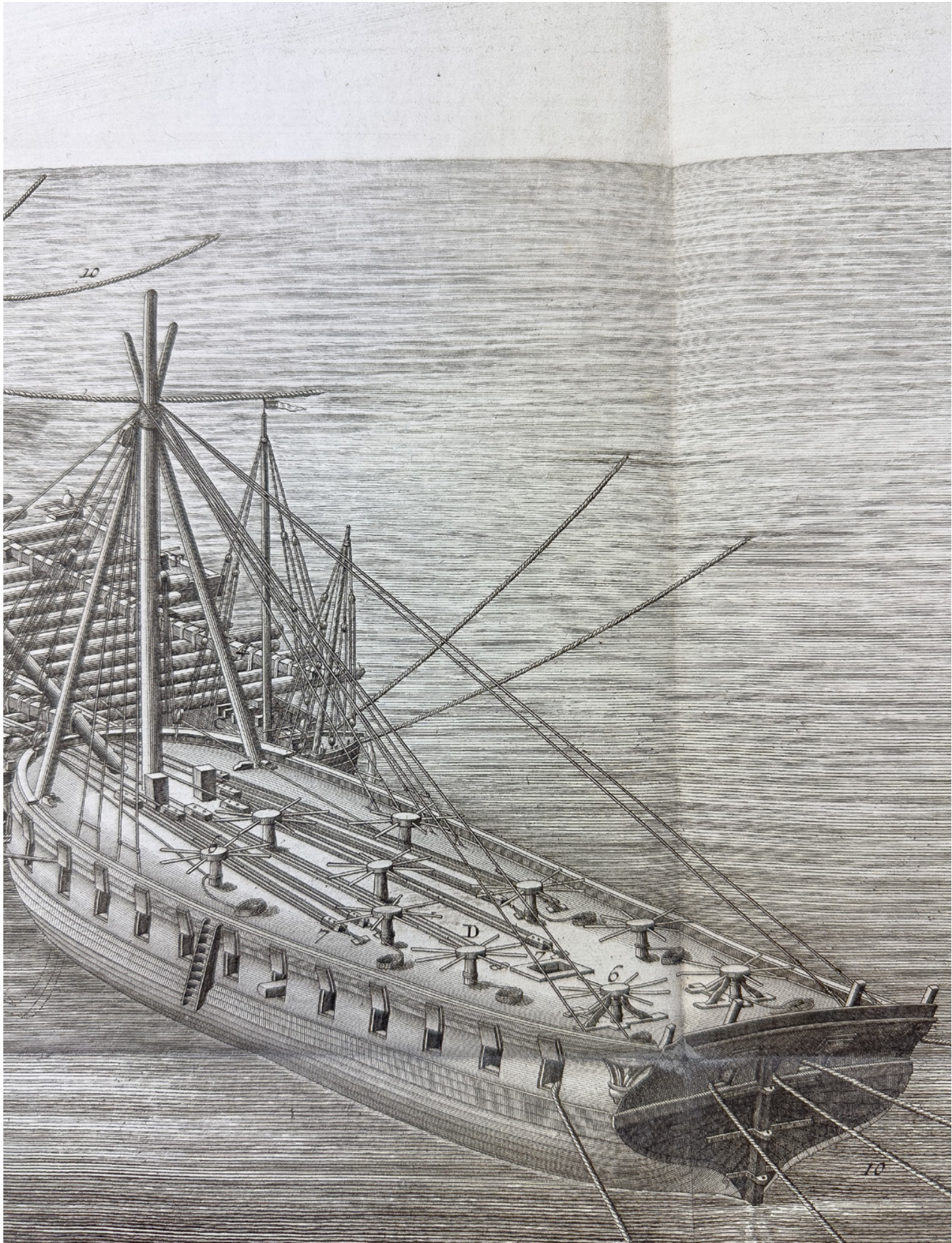
This copy has an interesting provenance. Giulio Coggiola (1878–1919) was a historian and librarian who oversaw the moving of great libraries to safety during WWI. He also was in charge of a reading program for soldiers during the war. After the armistice Coggiola became the Inspector of the Libraries of Veneto and ascertained the level of damage done to important collections in that region. Following this project, he went to Austria to recover works that been taken before and during the war. After Coggiola, the book was in Jaroslav Polívka’s library.

Bibliography: Andrews: Water, 287 (with a two-page spread devoted to the beautiful plates); Riccardi I, 407.

\$3,250







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To create this catalogue, we consulted the following works:¹

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