

Pietro Sardi, 1639

Corno Dogale della Architettura Militare

di Pietro Sardi Romano dedicato e
consecrato al Serenissimo Principe
di Venetia

Synthetic Index

Dedication to Principe and Doge Francesco Erizzo

Libro Primo: Architettura Militare, cosa sia, in che consista, sua
eccellenza e necessità - *Military Architecture: what it is, what it consists of,
its excellence and necessity*

Libro Secondo: I fini, i siti, le offese, le forme, le materie, presidiare,
munizionare, vettovagliare, difendere e conservare la fortezza - *The
purposes, sites, offences, forms, materials, guarding, supplying, provisioning,
defending and preserving the fortress*

Libro Terzo: Maniera di fortificare olandese - *Dutch fortification method*

Libro Quarto: Alloggiamenti campali dei romani - *Field encampments
of the Romans*

Libro Quinto: Alloggiamento degli eserciti - *Army accommodation*

Libro Sesto: Come squadronare i soldati - *How to drill soldiers*

Libro Settimo: Estrazione della radice quadrata - *Square root extraction*

Introduction to the volume

Author

Pietro Sardi

Year

1639

Shortened bibliographic reference

Sardi_Corno Dogale

Place & Publisher/ Printer

Venezia
I Giunti

Conservation Location

Deutsches Museum
ETH Bibliothek Verfügbar , RA Rara, Rar 805

Zürich

Brief Publishing history

Corno Dogale dell'Architettura Militare
(1638). Venezia, I Giunti.

Corno Dogale dell'Architettura Militare
(1639).Venezia, I Giunti.

Link to resource consulted

↗ Google Books
(last consultation 15/12/2025)

Scientific Analysis Data

Identified Units of Measurement

1 pace of 5 geometric feet
Goemetric foot = 0.348 m (venetian foot) or 0.325 m (King's or Paris foot)

Sites Dissertation

Yes

Geometric Constructions

Yes

Construction Techniques and Materials

Materials are covered, the techniques
only vaguely

Second Flank Applications

Yes

Dissertation of Outworks

Fausse-brays are described extensively, as
are the ante-mural trenches.
The redoubts, ravelins, tenaille and
hornworks are only described graphically in
the figure but are not discussed in depth.

Irregular Fortification
Geometric Construction

Yes

Earth-only Fortifications

No. However, in Libro Terzo describes Dutch-style
fortifications made solely of earth.

Reference to other Treatises

Marolois S. (1627) Fortification, ou: Architecture
militaire, tant offensive que deffensive.
Amsterdam: Ian Iansen.

Additional information

Further notes on the topics covered

The cavaliers: present and positioned entirely above the square, in the centre of the curtain walls.

The squares on the sides: the sides do not recede and do not have shoulders or orillons, there are no low squares.

Defended corners: the defended corners are acute and between 60 and 90 degrees.

Fausse-brays: present in Dutch fortifications.

'Toothed' ante-mural trenches: an interesting trench solution with covered flanks for the defence of the ditch (Libro Secondo).

The following are also described in detail: Sorties, Moats (in several configurations), Sentinels, Parapets, Gun emplacements. "Angular" or concave curtain walls are described only graphically.

Other works of military architecture by the same author

Corona Imperiale dell'Architettura Militare di Pietro Sardi Romano (1618)
[↗ Google Books](#) (last consultation 15/12/2025)

L'Artiglieria di Pietro Sardi Romano (1621)
[↗ Google Books](#) (last consultation 15/12/2025)

Discorso di Pietro Sardi Romano: per il quale con vive, e certe ragioni si rifiutano tutte le Fortezze ad perpetuitatem fatte con semplice terra, in qual si voglia forma, e modo, come inutili (1627)
[↗ Google Books](#) (last consultation 15/12/2025)

Il Capo de' Bombardieri. Esaminato e approvato dal Generale dell'Artiglieria. Di Pietro Sardi Romano (1641)
[↗ Google Books](#) (last consultation 15/12/2025)

Essential critical bibliography

Fara, A. (2001). Geometrie della fortificazione e architettura da Borromini a Guarini. Mitteilungen Des Kunsthistorischen Institutes in Florenz, 45(1/2), 102–189.
[↗ Jstor](#) (last consultation 15/12/2025)

