

Five books of ancient architecture Manual for the Restoration of Monuments

This book sums up the ancient architectural solutions, which have sunk in the waters of forgetfulness for today, and deals with the building constructions of the past one thousand years. The present work may be useful for all those designing engineers, building engineers, who want

- to get familiarised with the ancient building constructions and the technology of their architecture,
- to get familiarised with the ancient building materials,
- to determine the age of old buildings,
- to restore old buildings with the exact period materials and structures,
- to achieve old effects,
- to know the supporting power of old structures.

This knowledge above is necessary

- to determine the age of old buildings,
- to restore/renew old buildings,
- to design new buildings.

Building researches, archive researches and ancient publications (prescriptions, instructions, etc.) serve as a basis of this book. Chronologically it covers the materials and building constructions of the 10-20th century.

It discusses

- the composition of the one-time building materials,
- the solutions of the one-time structures,
- the history of the ancient materials and structures,
- the metrical principles of the old structures,
- the prospects of the restoration, completion and replacement of the ancient materials and structures.

Introduction

- I. - Foundations
- II. - Materials of Supporting Structures: Walling Materials
- III. - Materials of Supporting Structures: binding and additive materials, mortars, elements consisting of mortar
- IV. - Walls
- IV. - Vaults
- V. - Dissections of Frontage
- VI. - Staircases
- VII. - Concrete, Reinforced Concrete structures
- IX. - Wooden/Timber Structures
- X. - Metal Structures
- XI. - Paintings
- XII. - Claddings
- XIII. - Glass
- XIV. - Insulations