
Availability:
This version is available at: 11583/2664637 since: 2017-02-03T11:29:22Z

Publisher:
DIDAPRESS

Published
DOI:

Terms of use:
openAccess
This article is made available under terms and conditions as specified in the corresponding bibliographic description in the repository

(Article begins on next page)
4 DEFENSIVE ARCHITECTURE OF THE MEDITERRANEAN XV to XVIII Centuries

Giorgio VERDIANI (Ed.)
DEFENSIVE ARCHITECTURE OF THE MEDITERRANEAN
 XV TO XVIII CENTURIES
 Vol. IV

Editor
Giorgio Verdiani
Università degli Studi di Firenze
Dipartimento di Architettura

PUBLISHED BY
DIDAPRESS
FORTMED 2016, FIRENZE

Atti del Congresso / Conference Proceedings / Colección Congresos UNIFI

Tutti i contenuti della presente pubblicazione sono stati soggetti a revisione da parte del Comitato Scientifico di FORTMED 2016, secondo il processo della "peer review".

All the contents of this book has been reviewed by the FORTMED 2016 Scientific Committee according to the "peer review" process.

© Curatore / editor

Giorgio Verdiani

© per i singoli articoli / for each article / de los testos: gli autori / the authors / los autores

© 2016, de la presente edición: DIDAPRESS, Dipartimento di Architettura, Università degli Studi di Firenze

ISBN: [ 9788896080603 ] (OPERA COMPLETA)

FORTMED - Modern Age Fortifications of the Mediterranean Coast. Florence, November 10th, 11th, 12th 2016
Organization and committees

Comitato d'Onore / Honour Committee:
Luigi Dei. Rettore dell'Università degli Studi di Firenze
Saverio Mecca. Direttore del Dipartimento di Architettura DiDA Università degli Studi di Firenze
Pablo Rodriguez-Navarro. Presidente FORTMED 2015 Universitat Politècnica de València
Giancarlo Paba. Presidente della Fondazione Giovanni Michelucci, Firenze

Comitato Organizzatore / Organizing Committee

Presidente / Main Chair: Giorgio Verdianni. Università degli Studi di Firenze

Segreteria / Secretariat:

Membri / Members:

Comitato tecnico-editoriale / Technical and Editorial Committee: Andrea Pasquali, Giancarlo Littera, Angela Mancuso, Paolo Formagnini, Filippo Giananni, Anna Frascari, Tatiana Pignatelli, Stéphane Giraudette, Andrea Leonardi, Giulia Baldi, Ilenia Tramontozzi, Mirco Pacci, Università degli Studi di Firenze.

Comitato Scientifico / Scientific Committee

Direttori scientifici / Scientific Directors:
Pablo Rodriguez-Navarro. Universitat Politècnica de València,
Stefano Bertocci. Università degli Studi di Firenze

Membri / Members:
Alessandro Camiz, Girne American University. Cyprus
Alicia Cámara Muñoz. UNED. España
Anna Guarducci. Università di Siena. Italia
Anna Marotta. Politecnico di Torino. Italia
Antonio Almagro Górbea. CSIC. España
Arturo Zaragoza Catalán. Generalitat Valenciana. Castellón. España
Concepción López González, UPV. España
Domenico Taddei, Università degli studi di Pisa. Italia
Fassal Cherrad. Ministerio de Cultura del Reino de Marruecos. Morocco
Francisco Juan Vidal. Universitat Politècnica de València, España
Fernando Cobos Guerra. Arquitecto. España
Gabriele Guidi. Politecnico di Milano. Italia
Gjergji Islami. Universitetet Politeknik i Tiranës. Albania
Giorgio Verdianni. Università degli Studi di Firenze. Italia
Per Cornell. University of Gothenburg. Sweden
Rand Eppich. Universidad Politècnica de Madrid. España
Rafael Soler Verdú. Universitat Politècnica de València. España
Sandro Purrinello. Università di Pavia. Italia
Santiago Varela Botella. Generalitat Valenciana. Alicante. España
Stefano Columbu. Università di Cagliari. Italia
Note / Notes
This conference was made in the frame of the R & D project entitled "SURVEILLANCE AND DEFENSE TOWERS OF THE VALENCIAN COAST. Metadata generation and 3D models for interpretation and effective enhancement" reference HAR2013-41859-P, whose principal investigator is Pablo Rodriguez-Navarro. The project is funded by the National Program for Fostering Excellence in Scientific and Technical Research, National Sub-Program for Knowledge Generation, Ministry of Economy and Competitiveness (Government of Spain).

ORGANIZZATO DA / ORGANIZED BY:

CON IL SUPPORTO DI / WITH THE CONTRIBUTION OF

IN COLLABORAZIONE CON / IN COLLABORATION WITH:

SPONSORSHIP:
La resilienza paesaggistica. Un approccio transdisciplinare alla progettazione ........................................... 341
Serena di Grazia, Ludovica Marinaro

Eco-Museum “Olha Lisboa”, reconnecting to be able to see ................................................................. 349
Marta Buoro

Illustrissimo Castello: la coscienza civica come nuovo ‘strumento urbanistico’. ........................................... 357
Margherita Corrado, Linda Monte

Palmaria. Un passato militare, un futuro Paesaggio. Prospettive per la valorizzazione paesaggistica e
architettonica del sistema di fortificazioni dell’isola dopo la sdesmantinezazione ....................................... 365
Ludovica Marinaro, Stefano Danese, Saul Carassale

Fortified systems in the European network: types and matrices, sources and protagonists ............... 373
Anna Marotta

Il Castello Rosso di Tripoli: la fortezza di una Medina Mediterranea. The Tripoli’s Saray al-Hamra:
the fort of a Mediterranean Medina .............................................................. 381
Ludovico Micara

Attraversamenti e Connessioni Mediterranee ....................................................................................... 389
Matteo Fraterno, Rossana Macaluso, Raffaella Morra, Pasquale Persico, Loredana Troise

Military fortifications of the XX century in Arborea, Sardinia. History, scenarios, perspectives ...... 397
Claudia Mura, Paolo Sanjust

The fortifications on a Citizen scale. Analysis of visual storytelling of Ligurian cities in “Supplemento
mensile illustrato del SECOLO” (1887-1902)........................................................................ 404
Elena Teresa Clotilde Marchis, Martino Pavignano, Ursula Zich

Revalorization of (the Fortresses of) Sibenik ....................................................................................... 413
Gorana Barisić Bačelić, Josip Pavić, Morana Periš

The World Heritage Convention and cultural landscapes of the enlightened Spanish Royal Arsenal.
The case of the Royal Arsenal of Cartagena (Spain) ........................................................................ 419
Maria Jesús Peñalver Martínez, Francisco Segado Vázquez, Juan Francisco, Macià Sánchez

Interpretation and Management of Fortified Sites in the Mediterranean: The Case of the Prizren Castle,
Kosovo .......................................................................................................................... 425
Senat N. Haliti, Kaltina Thaci, Rand Eppich

Il sistema difensivo del Regno di Arborea tra il X e il XV secolo .......................................................... 433
Giovanni Serreti

Miscellanea / Miscellany ......................................................................................................................... 315

Porti e città fortificate in Terrasanta: modelli e tecnologie attraverso il Mediterraneo all’epoca delle
Crociate ......................................................................................................................... 443
Stefano Bertocci

Castrum et locum et villam Tabiae: una storia di pietra ........................................................................ 453
Francesca Luisa Buccafurri, Angela Cristina De Hugo Silva, Mirko Pasquini

The Caldera de Taburiente as impenetrable natural fortification ......................................................... 461
Marta Buoro, Domingo González Galván, Sofia Piñero Rivero
The fortifications on a Citizen scale. Analysis of visual storytelling of Ligurian cities in “Supplemento mensile illustrato del SECOLO” (1887-1902)

Elena Teresa Clotilde Marchis, Martino Pavignano, Ursula Zich

Politecnico di Torino, Dipartimento di Architettura e Design, Torino
elena.marchis@polito.it, martino.pavignano@polito.it, ursula.zich@polito.it

Abstract

This paper deals with the analysis of the themes and codes characterizing the graphic/textual description of the cities and their fortifications, as well as narrated in The Hundred Town of Italy, the illustrated monthly supplement of the “Il Secolo” (Le Cento Città d’Italia, supplemento mensile illustrato del Secolo). Published in Milan by Sonzogno, between 1887 and 1902, the 192 front four sides supplements still provide a vivid descriptive picture of the nation, at the turn of the nineteenth and twentieth century. Despite the poor quality of most of the illustrations in these sheets, they have acquired, over time, an appreciable documentary value. Therefore, a critical reading is capable of giving a new knowledge about the systems of fortifications in Italy. The performed analysis of places and cities is characterized by a descriptive storytelling of the fortifications, highlighting the specificity of communication and perception. What emerges is a strong landscaping connotation given to the city-fortification system in a socio-political reality, during a historical phase of transformation. The survey highlights how this architectural heritage can still be valuable cultural element, not only for the territory.

Keywords: Country System, Visual Communication, Storytelling, Cultural Enhancement

1. Introduzione

This paper combines a critical reading of the available artworks and the analysis, just as critical, of the fortifications, the strongest signs on the land. The documentary corpus of Le Cento Città d’Italia, an illustrated monthly supplement of Il Secolo (Sonzogno, from 1887 to 1902, hereinafter CC) was chosen for an exploration of built heritage as well as visually narrated with textual and graphical descriptions in the intention of a cultured popular literature. In fact, the 192 issues of the CC provide an interesting insight into the Italy ‘under construction’ during the XIX and XX centuries.

This documentary series covers the entire Italian territory. It promotes the major centres of economic development as well as smaller towns rich of ‘goods’ in the fullest sense of the term. For this particular study, the authors compare The Hundred Town of Italy to historical maps and/or contextual sources similarly aimed at sharing and communication of fortified structures, stratified and transformed over time.

To better recognize the cross-cutting methodological approaches we provide a systematic analysis of the narrative handouts of the Liguria region.
This area is ideal for a test because of widespread and diverse heritage of existing buildings as well as lands being under architectural renovation by that times. In fact, together with the construction/expansion of the railway network, the Italian Government, upon the Franco Prussian War (1870-1871), began a massive work for modernizing the defences on the French border and major ports. In this way, being near to the war theatre (1859), the area became the dam for the inland flood defence. It is interesting to note in Fig. 1 the existence of clusters within the analysed fortified systems. Starting from West it is possible to identify: the ‘spread’ system between Ventimiglia and Albenga, Savona, the nucleus of Genoa, the forts around Porto Fino, and finally a large concentration around the city of La Spezia. This particular distribution could be linked to historical events narrated (and not) in the alred of mentioned issues of Il Secolo. For example, the first system seems to evoke those of restoration operations and expansion of Italian strongholds performed after the Franco Prussian War. On the contrary, the concentration of forts around La Spezia, would recall the ancient conflict between the Republics of Genoa and Pisa, emphatically described in the history of Castruccio Castracani (1898, XII, 134, p.10).

2. The fortifications at Citizen’s measure

Using a language capable of mediating technical information and not, the CC dossiers present the daily life that takes place in the study area. Regarding the fortifications, the handouts logic does not offer any monographs strictly linked to the territory. However, there is a declined information referred to fortifications provided in different graphic/text modes. The specific paragraphs, nods or references evidence the permanence of all pre-existing fortifications embedded with other thematic - mostly historical, costume or descriptive of the new buildings projects. The dedicated images, often with generic inside recognizable elements, are only occasionally part of the narrative plot. The critical analysis of the entire work suggests a use of images to complement the textual narrative. There is plenty of space for personal foreshadowing of what is described. The reader is involved in an active way since the CC is a forerunner of the recent interactive communication. The current attitude of accessing a database (geo-referenced and not) leads today to a random consultation of the handouts under analysis, promoting a reading by location, issue, and narration mode, declined to object. In view of this, the comparison to the end of the century illustrated postcards, is a great opportunity for evaluation of this heritage. The postcards describe Italy’s early years and remain in popular culture a representative symbol not only of the ‘visible’ but also the ‘memory’ of places. Therefore these images rise to the status of documentary sources. The evidence of the role of the fortifications in the collective memory is not just a persistence of a
military background, but the track of social events that go far beyond the practical reasons. Upon completion of this study, some more recent works have been examined: the project of development of natural and cultural resources (Asse 4 del POR FESR 2007-2013), Liguria Heritage⁵, the List of emerging products and emerging systems artefacts drawn up by the Department of Urban and Regional Planning Region Liguria within the landscape territorial coordination Plan (1999), the map Castelli Aperti of the Genova Province⁶ and the publications of Liguria a volo di drone⁷, which allow the reader to complete and constructively interpret what emerges from the systematic analysis of CC.

3. The Ligurian heritage

Since the times of the Republic of Genoa, Ligurian human settlement has developed on the base of geomorphology. The fortifications were the most obvious track of social events on this land. Access from the sea to the various ports was always in balance with the land routes. These land routes linked the coast to the hinterland in a valley size and then at right angles to the coast. The distribution of watchtowers along the valleys to ensure the security of the population from pirate raids coming in from the sea along the ridges of the mountain valleys, for example in the towers that are situated from the coast along the Prino valley in the interior to Dolcedo and beyond. Moreover, even the fortifications that were built to defend the most important urban centres such as Ventimiglia stretch perpendicular to the coast up to the heights which by their nature become natural defence. Iconographic collections that tell the area history, in this case the Liguria, may well find a document in the Theatrum Sabaudiae, an important courtly publication of the end of XVII century. Without expanding the investigation into the details of a bibliography, which falls outside the scope of this significant work now no longer Savoy level but Italian, is the Corografia fisica, storica e statistica dell'Italia e delle sue isole (1837-45) by Attilio Zuccagni Orlandini who has had a national hit and especially for the three volumes of engravings. Even if the fortifications pictures are not so numerous, the text descriptions are deeply detailed. So the CC may be assumed as a new ‘theatre’ to illustrate to the public the ‘Hundred Cities’. Furthermore, the railway line on the Liguria coast has changed not only the transport, but it has initiated the modern tourism.

4. The fortifications in Liguria within Le Cento Città d’Italia

The fortifications, in an imaginary journey⁸ from the West to the Levante, appear for the first time in Ventimiglia. A long curtain wall, which extends from the sea to the hills on the east side, across the image size (1889, III, 36, p. 93) and, although it has no analogue in the text, in the caption «from railway» almost remembers how new infrastructure interact with the past. A very useful comparison comes from a postcard published in 1898 in Milan. Being very similar to the above-mentioned recovery, it puts in full evidence the bridges over the river and the walls that go up to the mountain (Figg. 2, 3).

Figg. 2, 3- Ventimiglia dalla ferrovia in CC, Ventimiglia in a postcard of 1898.

The photographic image indeed gives a more complete view of the city, instead incision is deformed in favour of a clearer representation of the defensive wall. Just east appears «il castello di Dolceacqua [che] henchì in progressiva rovina, è sempre un cospicuo monumento dell’era feudale: ed in esso, fra i trabocchetti, le mude, le fosse e l’altre cose, si mostra ancora al visitatore l’alcova ova il signore esercitava lo scellerato jus primae noctis!» (1889, III, 36, p. 90). There is an immediate comparison with the engraving of Castrum et Oppidum Dulcis-Aquae Last but not present in the work of Borgonio (PI. II, p. 68), a bird’s eye pattern in a blaze of glory in the
A special area is dedicated to the fortifications of the city of Oneglia, former port of the Duchy of Savoy from Piedmont time connected to the Impero river valley. « [...] attraversando l'antichissima ed ancora medioevale cittadella della Pieve di Teco » (1889, III, 36, p. 94). In particular, of this city, which appears with its fortified wall on the Theatrum Sabaudiae but not in the CC illustrations, the story will be featured in one of the tiles of the twentieth century (1900, XIV, 162, p. 42) :« [...] Oneglia cadde in potere degli Spagnuoli i quali in molti modi straziandola e danneggiandola la terrero fino al 1623 nel qual anno i Genovesi e gli Spagnuoli alleani, la cinsero d'assedio, la presero, la persero e la ripresero, [...] però uscendone distrussero tutti i castelli fortificati della regione e ne trassero un ricco bottino, [...] ». Proceeding towards Levante it reaches the Centa river that appears prominently in the engraving of the Panorama of Albenga (1889, III, 36, p. 93) where the walls overlooking the river bed, leaving glimpse inside the city’s medieval towers. Instead these rise majestically beside the Cathedral in another image dedicated in the same issue. Along the coast you come to Bergeggi where the Romans «vi stabilirono una colonia e vi fabbricarono un castello che sorge sul promontorio denominato Santo Stefano, nonché una batteria a fior d’acqua, che è detta di San Lorenzo » (1888, II, 19, p. 50). Then you reach Savona and its fortifications are ample space both the text and the illustrations (1888, II, 19, p. 50). The section dedicated to the city of the Piamar fortress opens with two views, Nuova darsena Vittorio Emanuele and Darsena vecchia, the latter, an incision in the foreground with a ruin of the fortifications on the hills and in the background, to the left of urban development, the fortress Piamar. The page is illustrated by engravings of the two towers. « Ed era a ricordo di quell’epoca (quella delle crociate) la torre di Sant’Erasmo, oggi demolita, che si scorgeva lungi dal mare ed era il faro di Savona repubblicana. [...] ». Now we reproduce the ancient tower of Brandale, which is already cited in the Savona stories, where it is found today the modifications appointed to the men and the time, and also with
reference to the same tower «anteriore al secolo XII, sulla quale sta la campana del comune [...] L’antico porto, distrutto dai genovesi, giungeva sino ai piedi della torre stessa la quale subì pure la mutilazione cu soggiaccero tutte le altre principali torri della città». These two images, included in a column of the text body, give weight to the documentary value iconography that represents on the one hand a now nonexistent architectural specimen and the other to a tower that has undergone the inevitable transformations as yet visible (Figg. 7, 8)\textsuperscript{12}.

![Figg. 7, 8 - Savona in CC and in 2016.](image)

Moreover, «Oppido alpino Savonae ricorda Tito Livio nelle Storie: era il più forte fra i castelli che già sorgevano in Liguria quando Roma e Cartagine si contendevano sul suolo italico il primato del mondo, avanzi di più antiche civiltà, etrusca, fenicia e greca. Fu presso quel forte che Magone, figlio d’Amilcare cartaginese depose il ricco bottino di Genova. [...] i romani vi crearono fra i liguri sabazi una importante stazione militare, fortificandone tutto il territorio con torri, baluardi e castella, i cui avanzi sono tuttora oggetto di studio per gli archeologi. Allo sfasciarsi del colosso romano, il castello savonese fu come ogni altro della Liguria devastato dalle irruzioni barbariche. È nell’anno 967 che appare la figura del marchese d’Aleramo [...] Intorno al prisco e diruto castello si stringono gli abitanti delle valli [...] dando origine ad una città importante per commerci e industrie. [...] Costruito in un punto militarmente importante, il castello dei Del Carretto fu spesso volte teatro di lotte sanguinoso per la libertà del Comune. [...] La storia elenca vari passaggi di proprietà [...] finché nel 1528 ricevè il colpo di grazia da Genova che, impadronitasene dopo lotta accanita, ne colma il porto, la distruge nei porti più antichi, erigendo sull’altura quell’enorme fortilizio che ancor oggi le contende la vista del mare» (Figg. 9, 10).

![Figg. 9, 10 - Savona: fortress Priamar in CC and in 2016.](image)

It is funny how in a monographic article of a ‘port city’ like Genoa, despite the cover image is a panorama seen from the sea, the performances are almost all in support of the descriptions of churches, palaces and villas. In one of these, Villa Pallaevicini (1887, I, 7, p. 52, and 1900, XIV, 162, p.47), there are few graphic elements related to the fortifications, of which are however many references, and also a dedicated section, within the textual descriptions. By comparing the two representations (fig. 11, 12), we note that probably the same point of view was for the input representation to the Fortress. The images have a very specific nature, in the series, is a fully graphical page, in the XIV series is inserted into a column of text in the paragraph dedicated to Pegli. In the first it is visible an illuminated area on the ground behind the shadow.
Fig. 11, 12 — Genova: Villa Pallavicini in CC

This area in not visible in the XIV table, but it is conceivable because in the description of the 'villa' there is a reference to «un castello medioevale con relativa torre e ponte levatoio con scala di accesso elicoidale» (1900, XIV, 162, p. 47).

Fig. 13, 14 — Port View of Genoa in Zuccagni Orlandini and in CC.

The presence of that illuminated area leads the reader to assume the element united tower from the building perimeter. Among the other views of the water front, the Punta di Carignano (1887, I, 7, p. 53) allows a parallel comparison to the Port View of Genoa in Zuccagni Orlandini (Corografia dell'Italia. Stati Sardi Italiani di Terraferma. Vedute Pittoriche - Tavola 17, N.2 - G. Maina inc.): both useful to identify the «molte altre torri trovavansi anticamente sparse per la città» (1887, I, 7, p. 54). The images have obviously different communicative purposes, the first focusing on the architectural front of the sea and the second on the city/sea ratio, placing in the foreground elements of the substructure, mitigated by the human presence in his daily life, as if a framing guide (fig. 13, 14). It is remarkable the case of Villa Brown Portojob, described as «a paradise» (1889, III, 31, p. 55), seems to lose its connotation of Fortress (perhaps following the restoration and extension of Alfredo d'Andrade, a few years earlier), which instead maintains the image into text (1889, III, 31, p. 55). In other centres, such as Chiavari and Sestri Levante, the presence of fortresses is underlined in the text, but amended by the representations of urban agglomerations. On the contrary, the castle of Rapallo is never mentioned in the description of the country, but the subject of the accurate representation of The Castle (1889, III, 31, p. 56). Finally, after the Cinque Terra, we arrive in La Spezia where the towers that characterize the city views are not represented in the general panorama. The Castle of Saint George, the subject of a specific paragraph, otherwise mentioned only once in the text, is never explicitly represented, but it is possible to see its 'towering' volume in the City of La Spezia views - Piazza Vittorio Emanuele (picture off the cuff, 1889, III, 31, p. 52) and at the end of Spezia - Via Dapassano (image to text, 1889, III, 31, p. 54).

In the first case, seen from the west, the square profile of the castle is distinguished by contrast from the organic volume of the hill, while in the second case, from the South, he sees the articulated volumetric compendium stranded on the steep hill. The articles do not make any reference to the above pictures. Interestingly however as the point of view of image presentation of the City, one can almost certainly be placed on the current Via XXVIII March, at the foot of the Castle. Now on the border the Lunigiana valley opens with a view of the citadel in Sarzana, simply named The Citadel (1898, XII, 134, p. 9). The complex benefits from a paragraph monograph (1898,
XII, 134, p.11-14). Another representation of *The Citadel outside* the text input (1898, XII, 134, p.12) relates the "form of the door" to the real object, implicitly referring to the image of openness. Among other notable buildings stood still, in a paragraph on, the Fortress of Sarzanello, which rises "on the top of Sarzana" (1898, XII, 134, p.14). It is significant that the image of the Fort (1898, XII, 134, p.12) suggests the triangular shape of the same, characteristic element highlighted in the text description. A second image, *Fort of Sarzanello*, said Castruccio Castracani (1898, XII, 134, p.16), in parallel to what happens to the Citadel of Sarzana, resumes input description to the complex, without, however, calling out the portal. In both cases, text descriptions place the emphasis on the size of the buildings, putting it briefly in connection with the major transformations experienced over time by highlighting the historical and architectural structures by the authors.

5. Conclusions

The critical analysis of the presences of the Liguria centre in *CC* highlights a diverse use of graphics support. There is a wide variety of interactions between text and image. In most cases, in fact, the text is lacking specific references to support representations. The same image appears greatly varied communicative value: not always the fortification object was clearly set (by title, caption, text description). However it is still recognizable by interpolating between the text directions and printed signs, such as strong graphic tracks expressions persistence not only historical and architectural, but also social and cultural. As well as analyzed in this context, the narrative also reveals 'instant representation' of the territorial system of fortifications in Liguria, as well as sharing tool of this heritage of the nation. Words and pictures make it accessible, albeit indirectly, places and contexts seemingly unreachable for the common reader, part of a widespread along the territory. The rediscovery of this heritage is part of a vast panorama of more aware disclosure, where the focus today for the discovery and exploitation of fortifications throughout the area leads to a layman's critical exegesis. The *CC* will then reveal not only a source for analysis of history, culture and tradition of the places described, strongly characterized by the state of transformation of the newly formed Italy, but also as a source of more or less precise information on the various meanings of heritage.

Notes

1 The analysis presented here is part of a wider research path which has as its object the *CC* and the Hundred Cities Illustrate. The work has highlighted different query possibilities of documentary heritage, focusing on issues from time to time with different landscape values, urban, historical, artistic, ethnography and anthropology, etc. A first outcome: COMOLLO, PAVIGNANO, ZICH. Torino ne "Le Cento Città d'Italia": rappresentazione e narrazione di una realtà in trasformazione tra XIX e XX secolo dalla casa editrice Sonzogno, in Marotta, Novello a cura di DISEGNO & CITTÀ. Atti 37° convegno internazionale dei Docenti della Rappresentazione, Torino 17-19 settembre 2015. Roma: Gangemi, pp. 1203-1212.


4 Teatro della Guerra / in / Piemonte / 1859 / Lit. Linassi / Trieste, Colombo Coen editore / A. Marangon. In Barrera 1988, p. 27

5 For example, between 1881 and 1897, the Italian government decided to build the complex of fortifications of Rocca Liverna structured in two strong, placed on the rock of
the so-called Barrage Zuccarelo, whose function was to block the road to the Piedmont from a possible invasion on the Albenga plain. These works were in defense of the main crossings in the Piedmont High Tanaro Valley along the Neva, the Pennavaire and dell’Arrosca.

6 The work proposes, within monographic handouts city/place, a few paragraphs with specific titration – for example *La Rocca e la Chiesa di Castell’Arquato* (II, d.20, pp. 59:61), *Pergine (il Castello di)* (VII, d. 76, pp.31-32) – and only one dossier that explicit in the title – *Val d’Elsa e castelli senesi* (XIV, d.161, pp-33-40) - the discussion of fortifications

7 Empler 2012, p. 20

References


8 http://www.liguriahertitage.it/heritage/it/LiguriaTerreDiForti/Imperia.do (last check: May 2016)

9 http://www.castellaperti.it/pagine/ita/mappa/mappa_genova.lasso (last check May 2016)


11 Cfr. Gemini 2012

12 Photographs and comparison with the state of things are by Luca Pipitone, a student of the course of Science in Architettura for Sustainable Project.

13 Cfr. Marotta 2012