Robert Carvais André Guillerme Valérie Nègre Joël Sakarovitch

# Nuts & Bolts of Construction History

Culture, Technology and Society

Volume 2





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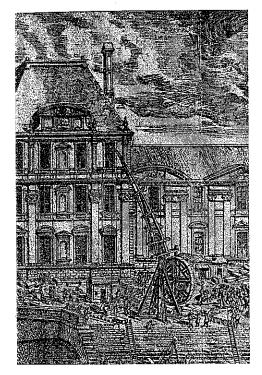
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## 3. People & Organizations



Craftsmanship & Technical Tasks

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## Muslim caliphs, sultans and princes paid special tribute to Jerusalem where many waaf establishments were erected. This charitable deed was not limited to the ruling class but it was also open to many other philanthropists. These waqfs buildings, supported by waaf, had played a significant role in determining the design of the inner city of Ierusalem. Moreover, buildings belonging to waaf included entire markets as well as schools and hospitals. The extensive presence of such establishments inside Jerusalem's walls not only determined the religious features of Jerusalem but also affected its residential and commercial landmarks. This research proposes that establishments supported by waaf and their affiliated real estate played a crucial role in the building of Jerusalem (Sroor 2010a, 55-56). and developing its architecture. Through knowing the dates when the waaf buildings were constructed, one can identify the periods of building in Jerusalem and the architectural development of the city. It should be noted that these establishments were not restricted to Muslims but they also included Christian and Jewish waaf. This research

## The Role of the Islamic Pious Foundations [Waqf] in Building the Old City of Jerusalem during the Islamic Periods [637-1917]

Musa Sroor Department of History, Birzeit University, Palestine

paper will rely on judicial documents such as those from the court records [sijill] of the Islamic Ottoman court of Jerusalem [mahkama shar'iyya] as well as from the Jerusalem waqf archive.

## The urban organization of the city

Jerusalem's Old City [intra-muros] is a small mountainous area that does not exceed one kilometer. It rises 2,500 ft above sea level and is surrounded by a wall dating back to 1800 B.C. (De Saulcy 1866, 424). Up until the second half of the 19th century, construction in Old Jerusalem was limited to the geographical space within the walls. (Cuneo 2000, 2: 219). The intra-muros area was not able to respond to the demographic and cultural developments witnessed by the city during that period. Thus, extra-muros buildings and neighborhoods began to appear which resulted in the emergence of a new city with its unique architectural features and cultural identity. This shift had come as a result of developments in the city during the 19th century including population growth, shortage in areas suitable for building intra-muros and high rental prices. All these factors combined, as well as other factors, led towards extra-muros building, i.e. in the New Jerusalem

Jerusalem's Old City is divided into four quarters according to religious and sectarian affiliation: Islamic, Christian, Armenian and Jewish. By studying the records [sijill] of the Islamic court of Jerusalem in the Ottoman period, one notes that the word "quarter" was not used to refer to the Islamic population in Jerusalem; instead, this sectarian and religious concept was used to refer to non-Muslim quarters (sijill 282, 1215/1800, 51). This refers to the differences between the Muslim and the dhimmi [non-Muslim] who lived in an Islamic state. For Muslims, the records [sijill] of Jerusalem's judge show that the sectarian concept of the quarter was not used. On the other hand, the quarter was characterized by a material aspect rather than religious implications, referring, for example, to a family such as the al-Sharaf quarter (sijill 288, 1221/1806, 89) or to a profession such as al-Jawâlda quarter [dyeing leather] (sijill 287, 1220/1805, 86) or to construction like Bâb al-'Amûd [Damascus Gate], one of the Jerusalem's intra-muros gates (sijill 281, 1214/1799, 12).

### The Muslim quarter

The Muslim quarter constituted one of the largest quarters of Old Jerusalem where most of the demographic, architectural and economic activities pertaining to Muslims were concentrated. This quarter is located in the north-eastern and east-southern part of Old Jerusalem. This area is close to al-Aqsa Mosque where many religious and educational institutions were located as well as economic activities related to these institutions (Chouraqui 1996, 166).

## The Christian quarter

The Christian quarter consisted of buildings, streets, markets and institutions operated by the Christians of Jerusalem, especially those centered around the Church of the Holy Sepulcher. That is why this area was called the Christian quarter as referred to in the Islamic court of Jerusalem (sijill 287, 1220/ 1805, 93). The participation of the Christians of Jerusalem in the campaign organized by the Fatimid rulers from 1033 to restore and fortify the walls of Jerusalem had given them the right to establish their own fortified quarter, which extends from Bab al-Khalîl in the west to Bâb al-'Amûd in the north. This area later became known as the "Christian Quarter." Preceeding the year 1033, we do not have any documents which mentioned any existence of a private quarter for the Christians or a quarter which bore their name (Sroor 2010b, 151). Therefore, the middle of the 11th century could be considered the date of the beginning of the Christian Quarter, which was officially recognized by the ruling Islamic authorities. At that time, it was known then as Patriarch [al-Batrak] Quarter. The material suport by the Christians of Jerusalem which came rom the Byzantine emperor led to the signing of n agreement between the Fatimid Caliph and the Syzantine Emperor Constantine. The Emperor ledged to fund the construction of the section f the wall adjacent to the Christian churches hich corresponded to the area surrounding the hristian Quarter - provided that this quarter

would be limited to the Christians only. Non-Christians could not live with them. This quarter would be placed under the authority of the Patriarch. Before this agreement, Jerusalem residents of different religions lived in all the quarters side by side due to the absence of private quarters (Hiyari 1990, 133-134).

## The Armenian quarter

The Armenian quarter was given this name in relation to the Armenians who lived in it; according to the records of the Islamic court of Jerusalem, the Armenians were Christians. This quarter is located in the southwestern part of the city (Ben-Arieh 1984, 243). Most of the Armenian properties are found in this quarter with other religious Armenian facilities outside this quarter, especially in the Christian quarter near the Church of the Holy Sepulcher such as the Church of St. John, which is located in the courtyard of the Church of the Holy Sepulcher. One should also note that other Christian communities had properties in the Armenian quarter. It should be also noted that some Islamic properties and waaf buildings existed in this quarter (Sroor 2010a, 78-79).

## The Jewish Quarter

The Jewish Quarter is considered the smallest quarter in terms of area. According to Baedeker (Baedeker 1893, 22), this quarter is located in the southeast of the city, south of the al-Silsila gate and to the east of the Prophet David road. It is surrounded by some of the Islamic quarters from the east such as the al-Asalî, al-Qarrî'în and al-Sharaf quarters. From the south, it is surrounded by al-Maydân and al-Maslakh quarters (Baedeker 1893, 22). According to Finbert, this quarter was known by that name in the 13th century A.D. when the Jews settled in it. Up until the 15th century, their number did not exceed 500 persons (Finbert 1955, 352).

# Islamic pious foundations, construction space and power

From the moment of the Islamic conquest of Palestine in the time of Caliph 'Umar in 637,

rhat is, five years after the death of the Prophet Muhammad, Jerusalem was the center of attention for the Muslim community. Control of Islamic Jerusalem passed through two ways. The first started with the Islamic conquest and went up until the Crusader occupation of the city in 1099. The second began with the Islamic reconquest of the city by Saladin in 1187 and ended when the Ottoman control came to an end in 1917 when the British occupied Jerusalem. During those periods, both Muslim and non-Muslim interest in the city was evident, which was represented by the establishment of waaf foundations there by individuals from both communities. The large amount of waaf foundations were largely a result of the absence of an official state role in many aspects of civil society structures in areas such as health, education, social services and religious affairs. Moreover, waaf played an important role being a form of charity and a means to become close to God (Deguilhem 1986, 53; al-'Arnà'ût 2011, 76-77).

Waaf played an important role in building the city culturally, which entailed all aspects related to the process of development and construction not only in relation to the physical aspects of economic development and construction such as buildings, markets, caravanserais, etc. (Leeuwen 1999, 180-182; al-'Arnà'ût 2011, 75-76) but also included the human and intellectual development of Jerusalem's community [education, schools, libraries, Sufism movements]. Waaf was also important in terms of supporting the poor and needy and providing food and housing for them, treating the sick, housing the travelers (Deguilhem 2004, 396).

If we follow the historical development of the emergence of the *waaf* foundations in Jerusalem, we note that it coincided with the formation of the Muslim community there. Sources indicate that the Caliph 'Umar built the first mosque in Jerusalem and it is this mosque which constitutes the foundations of the present al-Aqsâ mosque. Due to the fact that Jerusalem is a mountainous city where water is not available, the third Caliph 'Uthmân endowed the Silwân spring for the benefit of Jerusalemites between 644 and 656 A.D. to ensure that water was free and continually available to the inhabitants of Jerusalem. The Silwân

spring was the first Islamic waaf in Jerusalem (Duri 1990, 108).

In the Umayyad period, the Caliph 'Abd al-Malik [685-705] established waaf properties to support magnificent buildings considered to be the most important in the cities of the Muslim world, for example, the Dome of the Rock and al-Aqsâ mosque (Gil 1996, 11-13; Rosen-Ayalon 1996, 389). Caliph 'Abd al-Malik and his son al-Walid constructed these facilities in the same place where 'Umar ibn al-Khattâb built the first mosque in Jerusalem. This place is known in Islamic history as al-Haram al-Sharîf (Neuwirth 2000, 1: 88). This term is used to denote the region which is located in the southeastern part of Jerusalem occupied by al-Aqsâ mosque and the Dome of the Rock as well as everything in between and around these mosques, including the religious and cultural facilities. This covers an area that constitutes 17% of the surface of Jerusalem. This region is considered to be the most important facility of the Jerusalem waafs, it formed the nucleus of the Jerusalem Islamic waaf as most of the waaf facilities centered around it. In order to ensure the performance of these facilities for their services, many of the princes and the city elite endowed a large portion of the commercial real estate including markets, shops, caravanserais, bathrooms and agricultural land which supported the waaf facilities.

The large and rapid development in the waqf facilities in Jerusalem coincided with Saladin's conquest of Jerusalem in 1187 after the expulsion of the Crusaders. During that period, Jerusalem had witnessed radical changes in some aspects of its development and in the composition of its population as well as changes in its administration and social life. Despite these changes, the public features in Jerusalem, especially the topographical ones, continued as before (Hiyari 1990, 166-167; Meshorer 1996, 413). After he had settled in Jerusalem, Saladin's work included not only establishing the foundations of his political and administrative rule but he also had erased the symbols of the Crusader presence in the city (Sroor 2010a, 153; Hillenbrand 2009, 7).

Culminating this policy, Saladin worked to dedicate and consolidate the Islamic presence in this quarter through the establishment of buildings dedicated to *waaf* institutions at the level of the

local community that worked to provide services to the residents of Jerusalem and those coming to the city. To achieve this purpose, an important hospital carrying his name was constructed to deliver therapeutic services to the population and to serve as an educational institution in the field of medicine. He brought doctors and secured the arrival of drugs to this hospital ('Isâ 1981, 230). This hospital is located in the Christian quarter on the south side of Church of the Holy sepulcher at the place now known as al-Dabbâgha. Sûq al-Bazâr and the German Church [Church of the Redeemer] is now found at this place ('Arif 1992, 178; Eddé 2009, 195-197). In order to ensure the operation of this hospital, Saladin endowed dozens of pieces of real estate to take care of the hospital's expenses. These included houses, shops, markets and agricultural land mostly located within Jerusalem. These waqf also included 75% of the Bani Sa'd quarter and the entire farm located in al-'Ifranj quarter farm (Sroor 2010b, 154). In other words, an important part of the waqf real estate is located in the Christian quarter.

Sultan Saladin had also established in 1189 a large institution for Sufism that was known as al-Khânqâh al-Salâhiyya as a place of residence, worship and teaching for Sufis in Jerusalem (Waqf 2/27.3/927/13; Hawari 2007, 38-39). This khânqah, established by Saladin in the Christian quarter, was the first institution for Sufism in Jerusalem; it was erected in the place known historically as Dâr al-Batrak [The House of the Patriarch]. This khânqâh is located between the Church of the Holy Sepulcher from the south, the street which borders it from the north is now known as Khânqâh Street. To ensure the continuity of the work of these institutions, Saladin had endowed a considerable amount of real estate in and outside erusalem (Sroor 2010c, 85). In 1192, Saladin ılso established al-Madrasa al-Salâhiyya [school or higher religious studies and Islamic law], in the lace of the Church of St. Anne, which was conidered to be the most famous in Jerusalem's hisory for teaching Shafi' figh [jurists]. This school, or which Saladin endowed many pieces of real tate (Little 1990, 180; Eddé 2009, 197), derived s reputation as the headquarters of the prevailg school of thought in Jerusalem in both the ryubid and Mamluk periods. In Jerusalem, six

madrasas are known to have been founded by the Ayyubids, "one was founded by Saladin, one by Saladin's son al-'Afdal, one by his treasurer, two by his nephew al-Mu'azzam 'Isâ, and one by a Kurdish" émir (Hawari 2009, 220).

Historical sources also indicate that many Islamic institutions were built in the Christian Quarter during this period. In the year 1216, the king al-Muthafar Shihab al-Dîn Ghâzî ibn al-Sultân al-Malik al-'Adil al-'Ayyûbî had converted a house located next to Saladin's hospital to function as a zâwiya [building used for Sufism], which was known as al-Darkah, he endowed waqf for this zawiya. A church near the castle was also converted to a zâwiyah, this was called Zâwiya al-Shaykh Ya'qûb al-'Ajamî, according to Mujîr al-Dîn al-Hanbalî who said that this church was constructed by the Romans. Another zâwiya was established near the Khânqâh al-Salâhiyya known as al-Hamra' and a madrasa close to the Church of the Holy Sepulcher (al-'Ulaymî 1999, 1: 89-99).

Historical sources and archaeological evidence also indicate that a number of Ayyubid sultans [1187-1250] contributed towards the establishment of waaf buildings in Jerusalem such as mosques and schools. In 1194, Saladin's eldest son, al-Mâlik al-Afdal, endowed and built a madrasa carrying his name for teaching Maliki fiqh. This school was built in al-Maghâriba quarter where the Moroccan immigrants used to settle, most of Moroccan immigrants belonged to the Maliki madhhab (Little 1990, 180). al-Malik al-Afdal created many waqfs for this quarter for the benefit of the Moroccan immigrants and it was later named the Moroccan Quarter. The limits of this quarter as mentioned in the waaf document: the city wall from the south, al-Haram al-Sharîf from the east, Bâb-al-Silsila leading to al-Haram al-Sharif from the north and al-Sharaf quarter from the west. This waqf was considered to be the first endowment granted to the Moroccans in Jerusalem (Tibawi 1978, 13). The records of the Islamic Court indicated that many of the waqf endowed by the Moroccans in their quarter were to subsidize mosques, zâwiyas, houses and shops like the ones endowed by Sheikh 'Umar al-Masmûdî. Until the year 1967, these numbered about 140 pieces of real estate (Wagf 13/1272/5.28/13).

Following the same strategy, the Mamluk sulrans [1250-1516] competed in building waqf foundations in Jerusalem, especially educational ones. This not only contributed to the development of the scientific and cultural movement in Ierusalem, but it also participated in the architectural development represented in the buildings and markets which those sultans had constructed and which left us with an important architectural heritage. This development also included the economic sector through the construction of markets, caravanserais, public baths and other economic institutions but also by endowing many villages, farms and agricultural lands scattered in all regions of Palestine where their waaf revenues were allocated to spend on the sultans' waaf institutions in Jerusalem. The Mamluks created more than 64 establishments, which were supported by wagf foundations concentrated mostly in the west and north of al-Haram al-Sharif. To ensure the functioning of these institutions, the waaf revenues of hundreds of shops, houses, farmland - whether inside or outside Jerusalem - were dedicated towards these institutions (Burgoyne 1987, 103-244; Schaefer 1985, 282).

The Christian Quarter also experienced a boom thanks to an interest by the Mamluk sultans. This quarter was important for Jerusalem during that era: the Mamluks stationed the police in this quarter near the Saladin hospital. In addition, many markets were created in this quarter, namely Sûq al-Hubûb [the grain market] for which much land was allocated on the south side of the Saladin's bîmâristân [hospital]. The main markets in Jerusalem were found to the east of this bîmâristân where most of the economic activities were carried out (Sroor 2010b, 157-158). The Mamluk Sultan Qalâwûn built a mosque in the Christian quarter near the Church of the Holy Sepulcher. The records of the Islamic Court specify that the Muslim judge of Jerusalem had appointed the Custodian of the Noble Dome of the Rock with the help of the late Hajj Husayn Effendi al-Khâlidî in the job of administrating the mosque and its endowment (Sijill 282, 1215/1800, 120).

The Mamluk era is considered a golden one for the *waqf* institutions in Jerusalem, compared with other periods especially during the Ottoman period [1516-1917], which was marked by the

establishment of limited waaf institutions except for the period of Sultan Suleiman the Magnificent [1520-1566]. Jerusalem had received much attention from this sultan who rebuilt the walls of Jerusalem in their current form, after it was in a state of destruction for more than 300 years after it was destroyed by king 'Isâ al-Ayyûbî in 1219 (Asali 1990, 201).

In 1557, Roxelane, the wife of Sultan Suleiman the Magnificent, established the greatest and most important waaf institution not only in Jerusalem but in of all Palestine (Heyd 1960, 139). This institution was known as Khâssikî Sultan: the imperial public kitchen located in the Islamic quarter near al-Aqsa Mosque. It is situated "on the southern side of a lane climbing up the hill, from the Bâb en-Nâzir of the Haram Enclosure to the Street called after the Khân ez-Zeit. This lane is known by several names, such as 'Agabet at-tkiyyé." (Stephan 1944, 172-173). From the waafiyya [endowment deed] for this institution, which was registered in the sijills, it is clear that this endowment formed a huge urban complex and included a mosque, a caravanserai, a school and 55 rooms for a residence for Sufis. Moreover, it included a kitchen that provided daily meals to the poor and travelers and those who lived close to al-Aqsâ Mosque. What is more, it contained an oven which produced 2000 fadûlas [loaves of bread] daily. In order to allocate enough financial revenues, the waqf founder, Roxelane, endowed 34 villages and farms to cover the expenses of this endowment (Sijill 270, 1557/964, 18-27).

All the waaf institutions mentioned above are classified as charitable waqfs. In addition to these, there are also hundreds of family waqfs. A question arises here: "what is the size and nature of the waqf properties in Jerusalem, whether family or charitable endowments?" It is not easy to precisely answer this question for several reasons: The first is the difficulty of separating the waaf properties in the Old City of Jerusalem from those outside it due to the close interrelationship between the center and the outskirts since they were the main suppliers that channeled their revenues to the waaf institutions of the center, and the difficulty of determining these properties in the surrounding areas. The second reason is the absence of precise and official statistics dealing

with the waaf properties not only in Jerusalem but in Palestine in general. The available statistics in the published sources are not reliable and cannot be trusted because they depend on estimation and speculation. For example, Dumper provides statistics for the proportion of the family and waaf charitable properties in Jerusalem based on the estimates of the former officials in the Jordanian government and in the Waaf Administration in Jerusalem as well as on interviews conducted in 1986 with six mutawalli [waaf administrators] of the major family endowments in Jerusalem.

Based on these peoples' estimations, Dumper came to the following conclusion: waaf real estate in Old Jerusalem was estimated at 45-50% with the exception of the area of al-Haram al-Sharîf. If we add the area of al-Haram al-Sharîf, which is 17% of the Old City, the sum total of the waaf property in the Old City would become 67% (Dumper 1992, 190-191).

Through the analysis of the various documents and archives concerning the waaf, the following statistics may be cited: 27 mosques as well as al-Haram al-Sharif, 70 madrasas [religious schools], two khângâhs, 16 zâwiyas, seven ribâts. It should be noted that the following waaf real estate were endowed to spend on the aforesaid nstitutions: 11 bathrooms, 14 caravanserai, all the shops in al-Qattânîn, and in al-Husur marcets, 580 shops and stores located in the rest of the markets of Jerusalem. This is in addiion to all the houses located in al-Qattânîn nd in al-Husur markets as well as 330 houses ocated in different quarters of Jerusalem. Besides his, the following should be added: dozens of live oil presses and wheat mills, farms and rchards located within the walls of Jerusalem. urthermore, 150 villages and farms inside and utside Palestine were endowed either wholly or artially to spend on Jerusalem's waaf. It should lso noted that there were more than 400 properes [shops, houses, mills, presses] were endowed family wagf (Sroor 2010a, 377).

The presence of this important amount of lamic waaf in Jerusalem in a small area which less than one km<sup>2</sup>, along with property and al estate with private ownership, as well as the aaf and institutions of non-Muslims indicate the

essential role of these waaf institutions in determining the features of construction and property ownership in Jerusalem and in determining the functions and tasks of these waaf establishments. The Jerusalemite historian and the former mayor of Jerusalem 'Arif al-'Arif [1892-1973] tells us that in 1876, Jerusalem had 1,320 shops which employed 1,920 people working in various crafts, trades and professions, representing many religious communities that lived in Jerusalem as follows: 501 Jews, 807 Muslims, 357 Roman Catholics, 146 Latins, 40 Protestant, 69 Armenians ('Arif 1992, 348-350). Hence, we see that most of the shops in the Old City were waaf.

The radical changes caused by Muslims since the year 637 through the building of waaf institutions in the city included the eastern part of the city where there was no construction or building on the ruins of ancient buildings. Sources indicate that this part was neglected before the Islamic conquest of the city (Duri 1990, 108). The building of al-Haram al-Sharif, which occupies an important part of the city, contributed to a new overall urban planning for Jerusalem, especially after the construction of walls and tens of schools supported by waaf around the al-Haram al-Sharîf area. The clearance of buildings in this part of the city allowed for the emergence of waqf markets of a new architectural design such as al-Qattânîn market with a length of 94.5m. and a width of 5.5m. (Golvin 1967, 107). New waaf quarters appeared for the first time like al-Maghâriba Quarter, which occupies the southeastern part of the city. Houses and Islamic religious sites were set up in this quarter. At the end of the Ottoman period, the number of waaf real estate was about 140 properties (Waaf 3/5, 28/1272/13).

The large number of Islamic waaf in Jerusalem provided permanent sources of funding through the construction of shops, markets, baths and caravanserais in Jerusalem or through the reconstruction of existing buildings belonging to waaf. This explains the proliferation of hundreds of commercial waaf real estate in the various markets and quarters of Jerusalem. This research sheds light on the important role played by the waaf in building the Old City of Jerusalem in accordance with new architectural models that do not differ from those found in other Islamic cities such as Cairo, Damascus and Tunis.

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## Between Market and Architecture: The Role of the College of Engineers, Architects and Land Surveyors in Real Estate Pricing in 16th-18th Century Milan

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This research aims to provide some empirical evidence on mechanisms leading to real estate pricing in early modern Milan between the 16th and 18th centuries, with a special focus on the role played in this process by the stima - in both senses of evaluation and reputation - of the engineers belonging to the College of Engineers, Architects and Land Surveyors in Milan [hereafter referred to as "the College"]. I will use here the term "engineer" - instead of the word "architect" - as it is the one that most frequently appears in sources. However, it should be kept in mind that in modern Italy this term is used to indicate a professional person with composite functions, who at the same time carries out engineering and architectural activities (Contardi and Curci 1991; Mazzi and Zaggia 2004; Bossi, Langé and Repishti 2007).

This research, in particular, deals with a quite negleted aspect of the multiple functions taken on by these professionals: their evaluation of houses, workshops and flats distributed in the urban space. To analyze this activity, I have collected several historical documents available in four main archives: the Archive of the Venerable Factory of the Duomo of Milan - one of the biggest property owners in Milan (Barbot 2008a, 22-80; Barbot and Mocarelli 2011) - the Archive of the State of Milan [ASM], the Archive of the Civic History of Milan [ASCM] and the Archive of the College of the Architects of Milan [ACAM]. From them I obtained several Statuti [Regulations] of the Milanese College and altogether a set of 300 estimates and notarial deeds pertaining to 300 purchases made between 1565

to 1796 of 100 residential real estate units [called "houses" – case – or "apartments" – appartamenti – by the sources], 100 productive and commercial units ["workshops," i.e. botteghe] and 100 units with a mixed function [the so-called "houses with workshop," i.e. case con bottega].

I chose 1565 for the beginning of this study because of its importance in the urban history of Milan: the walls circling Milan [the so-called "Spanish Walls"] were completed in that year (Leidy 1985), while two years previously the College of Milan was founded. The final date of the study [1796] coincides with the end of the Habsburg's domination over Milan [begun in 1535] and – as we will see – with the closure of the College and the urban guilds.<sup>1</sup>

My main research question can be expressed as follows: on what basis did Milanese engineers define the value of urban buildings in early modern Milan? This question is highly relevant for two major reasons. First, answering this question could help to clarify the logics and mechanisms at work in one of the most important economic sectors of pre-industrial societies. As in many other centres of the pre-industrial era, like in Milan, in fact, the urban building sector is one of great importance, coming third after the textile and food sectors (Cipolla 1974; Barbot 2008a; Mocarelli 2008b). Despite this relevance, the logic of the establishment of real estate prices remains a sort of "mystery" for historians. This hardly comes as a surprise: as many social scientists (Halbwachs 1909, 277-80; Bourdieu 2000a; Karpik 2007) have shown, such a mystery, in fact, is largely due to the characteristics of the house in so far