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Reviving Historic Buildings: Adaptive Reuse of the Jazzy Building

by

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Departmental Honors Thesis

The University of Tennessee at Chattanooga

Interior Architecture and Design

Examination Date: April 15, 2024

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In the face of rapid urbanization and modernization, the significance of historic preservation and adaptive reuse has gained prominence as a sustainable approach to development. There is an intricate relationship between historic preservation and adaptive reuse, delving into the principles, challenges, and benefits inherent in this practice as they apply to the Jazzy Building on 619/621 Market Street in Downtown Chattanooga Tennessee. A mixed-use approach for the Jazzy Building is optimal, as it addresses the pressing need for expanded housing amidst Chattanooga's population growth, capitalizes on its potential as a tourist attraction, and aligns with the city's strong environmentalist ethos.

I. Introduction

The preservation of historic sites and structures presents a unique set of challenges, particularly when it comes to striking a delicate balance between authenticity and adaptation. This chapter speaks on the background and context of historic preservation, the research problems and objectives set out in this thesis, the significance of this research, and both the scope and limitations of the adaptive reuse design.

Background and Context

Historical Significance of Downtown Chattanooga

Rail travel came to Chattanooga in the 1850s, connecting it to cities all across Tennessee. When the Civil War came, Chattanooga's railway system became an asset to both sides which, coupled with Chattanooga's terrain, led to the city becoming a major battleground. After recovering from the war, Chattanooga began making economic progress, resulting in the erection of a bridge connecting the north and south of Hamilton County. This bridge washed away in a flood and was soon replaced by the Walnut Street Bridge which stands today as a pedestrian bridge linking the bustling North Shore with the Bluff View Arts District. In the 19th century Chattanooga utilized its railway system to gain mineral and timber resources, allowing the city to develop its manufacturing and tourism industries (Corbis, 2009).

In the 1990s, Chattanooga began focusing on sustainable development and developing growth by attracting large companies. By the early 1980s, Chattanooga had become known as America's dirtiest city but by 1982, they had fully renovated and revitalized its riverfront area. Today, Chattanooga is proudly the 4th largest city in Tennessee (Walnut, 2021). Though it continues to

grow, the city's character resides through the perseverance of many of its original buildings that have survived through all of Chattanooga's growth and change.

The Importance of Historical Preservation

The Jazzy Building, much like the Choo Choo and the Hunter Museum, holds aspects of Chattanooga's history in its design. Demolishing it would remove one more building in the Downtown Chattanooga Historic District from the National Register of Historic Places, in turn, affecting tourism, local enjoyment, and downtown architectural diversity. Not every aspect of a building has to be preserved for it to continue to hold its spot on the registry. Pieces of a building that could not be easily - or affordably - replicated that emulate a specific design style no longer in practice are usually maintained. This preservation allows the city to act as a museum, maintaining styles and designs for people to take inspiration and gain knowledge from.

Research Problem, Questions, and Objectives

Statement of the Problem

The Jazzy Building is in disrepair, giving little value to the city in its current state beyond the historical component of the facades and the history of the building and its past tenants. Bringing value back to the building is the core focus of an adaptive reuse proposal. A true challenge will be made out of working to maintain the existing historic integrity while modernizing, preserving and honoring the history of the building, and making the space valuable to the city again. Much can be done with the lot making it valuable real estate. In the building's current state, many potential buyers would not consider the existing structure to be of-value, making it likely that the structure would be leveled if the lot were to be redeveloped. A design that incorporates the core

historical components can encourage these buyers away from demolition and help maintain the historical character that makes Chattanooga so wonderfully unique.

An additional challenge of this adaptive re-use is a lack of daylighting opportunities. The building is approximately 200' long with 50' of frontage on the east and west side. The south side of the building shares a wall with its neighbor, meaning no windows can be added onto the south wall. The north wall abuts the existing Regions parking lot, allowing windows to be added to the north facade to help resolve the issue of a lack of daylight in the interior. Window additions are limited in number due to structural restriction and are limited in height on the first floor due to lot adjacency restrictions, further impacting daylight opportunity.

Research Questions

The following are research questions that were analyzed throughout this thesis:

- 1. What occupancies best fit the needs and desires of current Chattanooga residents?
- 2. How can the Jazzy Building be made marketable to potential investors?
- 3. In what ways can the adaptive reuse of the Jazzy Building leave an environmentally positive impact?

Research Objectives

Research on the Jazzy Building will work to catalog the history of the building. This history will be utilized to determine what architectural elements are significant to the building's historic integrity. A firm understanding of the demographic of the neighborhood and the desires of current residents needs to be developed through census data, interviews, and surveys. This data will aid in gaining understanding of an optimal adaptive reuse design proposal that focuses on sustainable design while maximizing daylight.

Significance of the Study

Contribution to the Field of Historic Study

This study will serve as a viable option for potential buyers of 619 and 621 Market Street to develop the space. A focus of the redesign will be honoring and maintaining the existing Romanesque Revival style, allowing the city of Chattanooga to maintain the Jazzy Building and the historical components it currently possesses. The redesign should add use to the city and appear as a lucrative purchase to potential investors. By creating a design for the space in an attempt to attract buyers, the building will be less likely to be demolished and its history lost to the city.

Local, Economic, and Cultural Impact

The Jazzy Building currently sits vacant which decreases nearby property values. It is also occupying property that could otherwise benefit the city through additional housing or an additional tourism attraction. The redesign also has the potential to honor Chattanooga and funnel money back into the city. Many of the locals have chosen Chattanooga because of its history and its friendly structuring (Annear, 2023). The brick construction, low buildings, older architecture, and locally owned businesses are part of the pull for the local community. If someone were to buy the lot with no intention of maintaining components of the city, it's possible they would opt to level the building due to the existing structural damage and build a modern structure in its place. As the city becomes more commercial, it may become less appealing to the

local community. Chattanooga's architecture and history should instead be honored and considered in the redesign, not forgotten and left behind in an attempt to modernize.

Scope and Limitations

Historical and Geographic Context of the Jazzy Building

Original erection date of the Jazzy Building is unknown but is thought to be around 1885-1886. The Jazzy Building as well as the whole 600 block on Market street burned down in 1888. An 1889 fire insurance map shows the buildings of the 600 block having been rebuilt as the Phoenix buildings which rose from the ashes of the fire(Figure 1.1). The Jazzy building has gone through many owners and many different types of businesses. Gibson-Lee Manufacturing was the first tenant starting in 1888. They later changed their name to Gibson-Love Manufacturing. They made stoves, ranges, and China and sold them from the Market Street location. In 1890, the Miller Brothers dry goods store opened at 619 Market Street. The Miller Brothers then moved down the block around 1897 making way for the third occupant, Fritts and Wiehl Paints and Oils. In 1900 after the death of Mr. Wiehl, Kate F. Wiehl took over as partner with B.F. Fritts, and went into the wholesale drug business while continuing the paint, oil, and plate glass sales. They also made a line of medicine under the brand name "Dr. Granger". In 1928 Havertys Furniture Company opened at 619 Market Street and was one of the longest tenants of the building, staying until 1982. The building's current name comes from the last occupant - Jazzy Casuals Inc.- which was in building 619 from 1985-1992 (Jolley, 2004).

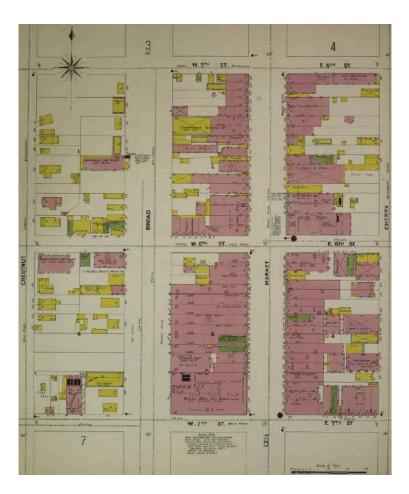


Figure 1.1 - 1901 Sanborn Fire Insurance Map from Chattanooga, Hamilton County, Tennessee.

The Jazzy Building consists of two buildings both located within the opportunity zone D-CX-12 (found under the Chattanooga Form-Based Code) in the heart of downtown Chattanooga. A revitalization project is in the works to make Broad Street a pedestrian-oriented area (Figure 1.2). This change would provide any fronts placed along the Broad Street side greater pedestrian access. 619 and 621 Market St. are between Market and Broad street, which are two main roads with heavy traffic. The buildings are also located in between 6th and 7th street making it a short walk to local attractions. Parking is limited here, mostly consisting of metered street parking.



Figure 1.2 - The proposed changes to Broad Street consist of three different options. From left to right: Promenade, broad(er) sidewalks, and a park street. (Images from Reimagining Broad Street)

The Jazzy Building and the zone surrounding it is D-CX-12. The buildings directly south 619 and 621 Market St. are R-4, meaning there is multi-family residential with many units present. A mixed-use building will benefit the area most, allowing both residential use and retail use (Sherill, 2023).

There is very little dense vegetation around the site. What exists is substantial enough to add some shade to the lower levels of the property along with a moderate amount of privacy. The trees running the length of Broad street are tall enough that they provide cross street privacy through the third floor and partly into the fourth. The Market Street facade has less significant coverage (mixed privacy on the first three floors) but still has some trees and decorative vegetation that improve the overall experience within the space and the aesthetic impact of the exterior. The sun path primarily only impacts the site in the early mornings and late evenings when it shines through the big windows of the east and west facades. The surrounding vegetation helps to protect the interior spaces from extreme light and heat up to the fourth floor. Most of the first and second floor views are of parking lots, the wide lanes of Broad Street and Market Street, or commercial buildings. The higher stories have a view of Lookout Mountain. There are multiple bus stops around the Jazzy Building, and a few bike routes. Sidewalks are located on both the east and west sides of the building to accommodate a high number of people traveling on foot due to limited parking in the area. Finally, there is a vehicle path located adjacent to the pedestrian paths on the east and west sides of the building. Because this is the downtown area, there is very heavy traffic from people either traveling through or to the area (Figure 1.3)



Figure 1.3 - Above is a map and legend of commute routes around the Jazzy Building.

Timeframe of the Study

This study takes place between August 2023 and May 2024.

- August-September: Historical, geographic, and demographic research to be conducted and cataloged. Initial site visit conducted
- September December: Loose schematics to be developed of each floor and preliminary renderings to be made of four main spaces

- December 4th: Review of completed work with professionals and committee
- January: Revision of schematics begins. A second site visit occurs.
- February-March: Schematics are finalized and construction documents begin
- March-April: Thesis is finalized and prepared for final review by professionals and committee members.
- Late April: Review of completed thesis with professionals and committee

Budgetary and Resource Constraints

No firm budget is placed on the redesign, though the intention is for the design to be lucrative to a potential buyer. With this in mind, the final costs should be within \$10 million. The Market Street and Broad Street facades must remain though the main level entries to each can be changed since they do not retain historical significance. Many interior materials will not be salvageable due to water damage or lack of upkeep combined with general deterioration over time. If deemed viable during construction, surviving wood slats from the original flooring will be kept and repurposed into a veneer.

Conclusion

The significance of the study of the Jazzy Building lies in its potential to contribute to the conservation of architectural heritage, sustainable development, and community revitalization. By repurposing historic buildings, we can breathe new life into cultural landmarks and create spaces that serve modern functions while preserving their unique character and heritage.

However, it is important to acknowledge the scope and limitations of this endeavor. While adaptive reuse offers numerous benefits, it also presents challenges such as structural constraints,

regulatory requirements, and financial considerations. These limitations must be carefully navigated to ensure the success and sustainability of the project.

In summary, this chapter lays the groundwork for further exploration into the adaptive reuse of the historic Jazzy Building, emphasizing the importance of balancing preservation with innovation to create a meaningful and sustainable space for future generations.

II. Literature Review

This chapter provides an in-depth examination of the theoretical underpinnings through a review of historic preservation and adaptive reuse's key principles, and case studies of adaptive reuse projects. It further classifies the legal and regulatory framework for renovations to historic property, and the sustainability and environmental considerations in renovating on the effects of adaptive reuse.

Historic Preservation Theory and Principles

Preservation vs. restoration vs. adaptive reuse

Preservation places focus on maintaining a historic place in its present condition. The only standard additions to a preservation project tie in with the original design, reinforce the structure for longevity, and ensure the building meets code regulations for the health and safety of its occupants. Restoration utilizes time, resources, and knowledge to restore a historic place to its original design and structure. Code required work can be done to these spaces, but changes need to be discrete as to not interrupt the historical appearance or use of the interior. Adaptive reuse, the focus of this thesis, takes a historic building that is in disuse and readapts it to current day needs and function. It usually means utilizing as many of the historic components as possible but making changes and additions as necessary to make the space useful to the region again (Schmeling & Hernandez, 2018).

The Secretary of the Interior's Standards for the Treatment of Historic Properties The Secretary of the Interior's Standards for the Treatment of Historic Properties details the general ways a historic building can undergo preservation, restoration, rehabilitation, and reconstruction while maintaining or earning tax benefits associated with historical buildings.

The applicability of these standards hinges upon several factors, including the current condition of the building, its intended future use, its historical significance, and adherence to local building codes and regulations. By adhering to these standards, property owners can qualify for tax benefits associated with the preservation of historical buildings, thus incentivizing responsible stewardship of our architectural heritage.

In the context of this project, the focus lies specifically on adaptive reuse, a concept that integrates the principles of restoration and rehabilitation within a contemporary framework. Adaptive reuse recognizes the intrinsic value of historic buildings while repurposing them to meet the needs of modern society. This approach preserves the architectural integrity and cultural heritage of the structure while fostering sustainable development and community revitalization (U.S. Department of the Interior, 2023).

Benefits and Challenges of Adaptive Reuse

Economic Benefits

Adaptive reuse is a direct economic stimulant because it converts space that had little to no impact on the economy into a space that aligns with the needs and uses of that area. With the appropriate uses of a building, tourism will increase, business and trade will increase, and opportunity for local ownership will increase.

Social and Cultural Benefits

With the number of vacant buildings increasing in Chattanooga, the amount of safety issues have gone up (Gerst, 2022). By applying adaptive reuse to one of these vacant buildings, there are fewer places for squatters to inhabit, hopefully discouraging settlement in Chattanooga and reducing street crime. Creating more opportunity for pedestrian access will also hopefully pull tourism further into the city. When the amount of people in an area increases, violent crime is likely to decrease (Abt, 2021). Jobs are always in demand and, by creating an adaptive reuse space, there are more businesses looking to employ local workers. Thus, employment will also increase. Finally, further populating the downtown area with non-franchise businesses will improve the local culture and add variety to the cityscape.

Challenges and Risks

Downtown Chattanooga, much like any larger city, has a high crime percentage which is currently 174% higher than the national average (Chattanooga, TN Crime Rates, 2023). Encouraging pedestrian use further into the city can bring long-term improvement to the area, but also poses an initial risk to pedestrians during the change-over. Therefore, a certain level of crime will also always exist there. Most adaptive reuse spaces are in economically struggling areas. Reworking these spaces can bring new life to these regions. There will always be a lull period with higher safety risks than the users of the building are likely used to.

Case Studies of Successful Adaptive Reuse Projects

Example from Chattanooga and Other Cities

The Green Building in Louisville, KY (Figures 2.1-2.2) started out as a dry goods store in 1893, and fell into disuse. Eventually, the area it was built in became classified as a distressed area. (fer) studio sought to instill an experience of place with the surrounding environment and began redesigning the space using the elements of adaptive reuse. They looked to create a natural codependency between design and sustainability which led to The Green Building becoming the first LEED Platinum project in the city of Louisville. The budget for the redesign was \$5 million which is impressive considering the size of the building and depth of the renovation(Minner, 2011). Additions were intended as an homage to the facade of the original building, which was achieved through material, color, and geometry. The exterior of this design impressively showcases both its adaptive reuse, and its success of achieving the design goal of a codependent relationship between the environment and design. Adding solar panels to the roof enforces the concept of adding to the area, not taking away. The interior highlights the architect's intention by filling the interior spaces with natural light and warm tones. The original structure is referenced by the somewhat industrial take on the interior but it overall integrates nature, sustainability, and design.





 Figure 2.1
 Figure 2.2

 Above is Louisville's Green Building before it was purchased and renovated (Singhal, 2011), followed by an image of how it currently stands (The Green Building/ (fer) studio, 2011).

Austin Community College in Austin TX (Figures 2.3-2.4) started out as a shopping mall center in 1971, and officially closed its doors in 2015. The Austin Community College (ACC) began purchasing the surrounding areas in 2010. The mall owners filed for bankruptcy in 2012, after ACC bought the very last area of the Highland Mall. This large project has been renovating sections in phases and the last and final phase was finished in 2022, completing the project (Pardagjy, 2013). The building was sliced through the center to create a breezeway and more interior daylight access. The original interior was essentially kept intact. The original storefronts became classrooms and lecture halls. The vision for this space is impressive. The bones of a mall allow ADA accessibility, food service opportunities, easy wayfinding, natural bathroom placements, and easy common spaces for congregation and socialization. A space that otherwise would have been left vacant and exposed to vandalism and decay became an affordable way to bring higher education to the Austin area that had an immediate impact on the local economy and culture.



 Figure 2.3
 Figure 2.4

 Above is the Highland Mall before it was purchased and renovated by Austin Community College (Herman, 2018),

 followed by an image of how it currently stands (Pardagjy, 2013).

The Sandi Simon Center for Dance in Orange California (Figures 2.5-2.6) was formerly an orange packing house. It was landmarked under the national registry and is now an adaptive reuse building (Dumosky, 2023). The goal for this project was to keep as much as possible from the existing structure to represent its original style. A warehouse layout provides the ample flat space and openness most desirable for a dance studio. Skylights were added to the roof to allow light into the centers of the space. Sweeping, rather than linear walls, were added to the interior to bring the elegance and structure of dance into the bones of the building. Finally, the previously unfinished basement was adapted to house more classes, allowing increased usage of the space than in its previous condition.



Figure 2.5

Figure 2.6

Above is the Packing House in California before it was purchased and renovated by Chapman University (Dumosky, 2023), followed by an image of its current use as the Sandi Simon Center for Dance (Dumosky, 2023).

Lessons Learned from Case Studies

All three of the case studies found and highlighted the functional elements of the existing structure that coincided with the intended use of the new space. Doing this reduces cost, honors the initial historic integrity of the space, and allows creative additions to the building. Each case study also recognized a change in current social desires from the original construction of the building to the renovation by incorporating more natural light in interior spaces.

Legal and Regulatory Framework

Historic Preservation Ordinances and Incentives

The legal and regulatory framework surrounding historic preservation is guided by both local ordinances and state laws. Per an interview with the executive director of Preserve Chattanooga, Todd Morgan, the Chattanooga Historic Zoning Commission. This commission oversees the preservation and rehabilitation of historic structures within designated historic districts, ensuring compliance with zoning regulations and preservation guidelines. Additionally, Tennessee state laws provide mechanisms for the protection and rehabilitation of historic properties through the

Tennessee Historical Commission, which administers grants and tax incentives to encourage preservation efforts. Building owners are required to adhere to specific preservation standards and obtain necessary permits before undertaking any renovation or demolition activities. Failure to comply with these regulations may result in fines or legal action (Heskew, 2024).

Zoning and Land-Use Regulation

The Jazzy Building and the surrounding area is zoned as a D-CX-12 region according to Chttanooga's Form-Based Code. This means it is a mixed-use commercial space in the downtown area, limited to 12 stories above ground level. A 5' easement exists along the north wall, and the south wall abuts another building, limiting expansion.

Sustainability and Environmental Considerations

Green Building Practices in Historic Preservation

Standard green building practices in historic preservation products include repairing windows, improving the R-value of the building envelope, optimizing HVAC systems to improve efficiency and decrease energy consumption, rewiring the building to ensure efficient energy usage, installing LED lighting, and upgrading insulation. Properly disposing of removed materials such as lead paints and asbestos tiles also affects green building practices. Additional things that can be done to a building are installing daylight or occupancy sensors to prevent vacant or naturally well lit rooms from consuming energy. Proper window placement can utilize solar heat and daylight during changing seasons.

The aforementioned case study on the Green Building in Louisville, Kentucky, applied the practices listed above and added additional green features, such as a solar panel roof, rainwater harvesting systems, and low-flow plumbing fixtures. These additional features not only enhanced the building's sustainability but also contributed to its achievement of a LEED Green Certification, furthering the benefits that the adaptive reuse project had on its surrounding city. By incorporating innovative technologies and sustainable design strategies, the Green Building serves as a model for environmentally responsible development within historic preservation projects. Through its exemplary practices, it demonstrates the potential for historic buildings to not only retain their cultural significance but also become leaders in sustainable urban regeneration.

Energy Efficiency and Conservation

Energy efficiency overlaps heavily with green building practices, though conservation is considered separately in adaptive reuse projects. Any and all materials from an existing site that are salvageable should be reused or repurposed. Including them in the new design, even if they aren't serving the same function as they did originally, cuts down on outsourced product and consumerism. Additionally, reusing original elements can work to reinforce historical elements of the property, making it a 'why not' decision to reuse existing materials.

III. Methodology

This chapter documents the research and analysis completed to provide a full scope of the community needs, building history, and site conditions for the Jazzy building. The information gathered informs the design context and optimal use for the space and was collected in the form of qualitative research and data collection through surveys and interviews.

Research Design

Qualitative Research Approach

Archival research was conducted and expanded into additional site observation and field measurements, interviews, case studies, and literature reviews. This data was combined with quantitative data consisting of census data and a survey.

Data Collection

Selection of the Historic Building in Chattanooga

The historic Jazzy Building was pre-selected by the department head and thesis co-coordinator of the Interior Architecture and Design Department at The University of Tennessee at Chattanooga based on site availability and access.

Interviews with Stakeholders

Multiple interviews were conducted including an interview with preservationist Todd Morgan of Preserve Chattanooga, with commercial Real-Estate listing agent Lisa Brown, with the fire marshal for Chattanooga, with affordable housing consultant Justin Tierson, with structural engineer Joe Hutcherson, and with historic zoning regulator Melissa Mortimer.

Surveys of Local Residences and Businesses

A mass survey was sent out to the community, but additional interview based surveys were conducted with the owner of the downtown Eros Hat Co, the Chattanooga City Planner, an aquarium employee, and a Cadence Coffee barista.

Review of Archival Documents and Records

To collect information on the history and past inhabitants of the building, archival records were pulled from the Chattanooga Public Library database.

Conclusion

The challenges of balancing authenticity and adaptation in historic preservation are many and complex. While there is no one-size-fits-all solution, the examination of case studies and theoretical perspectives has revealed several key insights. First and foremost, successful preservation efforts require a nuanced understanding of the significance of heritage assets and their context. Moreover, interdisciplinary collaboration and community engagement are essential for ensuring that preservation initiatives are both culturally sensitive and socially inclusive. By embracing innovation and creativity while remaining grounded in principles of conservation, navigating the tensions between authenticity and adaptation ensure that Chattanooga's heritage remains vibrant and relevant for generations to come.

IV. Historic Context and Building Description

This comprehensive analysis sets the stage for the subsequent chapter, laying the groundwork for informed decision-making and strategic interventions aimed at preserving and revitalizing the Jazzy Building for future generations.

This chapter illuminates the rich historical legacy of the Jazzy Building, shedding light on its diverse past uses and the pivotal role it has played in the community's social, economic, and cultural life. Through a detailed examination of the building's existing condition, including its architectural features, historical significance, and preservation needs, an understanding of its physical state and inherent value as a historic landmark is formed.

Historical Development of Downtown Chattanooga

Evolution of Downtown Architecture

The predominant rise of architecture in Chattanooga was during the 19th century when Victorian and Romanesque Revival buildings were rapidly increasing in quantity. These buildings filled the city with ornate brick buildings, detailed with arched windows and voussoirs. At the start of the 20th century, style shifted more towards mid-century modern. The straight lines and emphasis towards function causes the building constructed during this time to stand out. Many of the buildings constructed during these two main design eras still stand today, lending to a playful intertwining of the city's architectural histories. Old factories have been converted into lofts, romanesque mansions have been transformed into hotels, and even some buildings, like the Tivoli, have maintained their original design style and use.

Description of Jazzy Building

Architectural Style and Features

The architectural style of the Jazzy Building is a mixture of Romanesque Revival and Chicago School Style. The defining architectural components that show these styles are the terra-cotta ornamental details, repetitively sized and spaced arched windows(A), columns(B), verticality emphasized through the column shafts(C), voussoirs used to cap the arched windows(D), and horizontal brickwork(E).

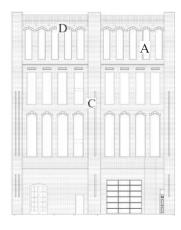


Figure 3.1 - West Facade located on Broad Street.

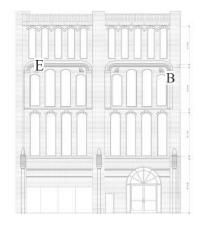


Figure 3.2 - East Facade located on Market Street.

Historical Significance and Previous Uses

Original erection date is unknown but is thought to be around 1885-1886. The Jazzy Building as well as the whole 600 block on Market street burned down in 1888. An 1889 fire insurance map shows the buildings of the 600 block as the Phoenix buildings since they were built from the ashes. The Jazzy building has gone through many owners and many different types of businesses. Gibson-Lee Manufacturing was the first tenant starting in1888. They later changed

their name to Gibson-Love Manufacturing. They made stoves, ranges, and China and sold them from the Market Street location. In 1890, the Miller Brothers dry goods store opened at 619. The Miller Brothers then moved down the block around 1897 making way for the third occupant, Fritts and Wiehl Paints and Oils. In 1900 after the death of Mr. Wiehl, Kate F. Wiehl took over as partner with B.F. Fritts, and went into the wholesale drug business while continuing the paint, oil, and plate glass sales. They also made a line of medicine under the brand name "Dr. Granger". In 1928 Havertys Furniture Company opened in 619 and was one of the longest tenants of the building, staying until 1982. Its name comes from the last occupant - Jazzy Casuals Inc.- which was in building 619 from 1985-1992.

Current Condition and Preservation Needs

The existing condition of the Jazzy building is salvageable on the exterior, but the interior is mostly irrecoverable due to extensive weathering and water damage. The exterior will require window replacement that will reflect the historical style, as well as new windows added along the north side of the building facing the Region's bank parking lot. The only salvageable portion of the interior are the structural walls. The floors now require repair or replacement in full for most floors along with new ceilings and new roofing. All stairs and elevator systems need to be replaced due to deterioration of materials, and they will need to be brought up to current code regulation.

On the east Market Street facade, details are visible that were added to adhere to the historical style. Not relating to Romanesque design, there is a metal awning that was added in 1968 when the building was Havertys. Per Mr. Todd Morgan, this awning wasn't intended to defer the

sunlight coming in and was purely for décor. The existing metal shields on the facade are in place to protect the exterior underneath during vacancy.

On the north side of the building, adjacent to Regions bank, there are currently no windows or architectural details. Previously, there was another building adjacent to the Jazzy Building where the Region's parking lot is now located. Legally, the building cannot be expanded in any way besides adding windows to give the building more natural light inside and to accommodate for potential design solutions.



Figure 4.1

Image from LoopNet

On the west facade facing Broad Street, steel columns were added to support the cracking of the building until repairs begin (Figure 4.1).

The interior of the Jazzy buildings have been ravaged by weather and time (Figures 4.2-4.5). Though there are still impressively tall ceilings, incredible windows, and attractive exposed brick, the interior of the building needs substantial attention. All of the stairs are still functional, though unsafe, and the stairwell in 619 can likely be salvaged.

Most walls and ceilings have peeling paint that will have added repair costs due to the likelihood of lead contamination. Though beautiful, the aforementioned windows will either need to be replaced or be made energy efficient.

Nearly every surface will require refinishing or replacement. Despite the extensive damage, enough details remain intact to communicate original materials used.



Figure 4.2 - Interior photo of structural

damage due to foundation instability

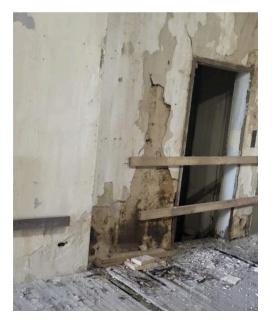


Figure 4.3 - Wall decay due to water damage



Figure 4.4 - Floor repair due to water



Figure 4.5 - Dilapidated wood flooring

damage

Qualitative Content Analysis of Interviews and Surveys

Both the interviewee from Cadence coffee and from the aquarium wanted shopping in the space to draw consumers into a currently office filled area. Though they both are able to find parking, all parking in the area is pay-to-park. Both also directly mentioned that there are many people coming in from out of town for business looking for additional activities to occupy free time during their stay. Based on the anonymous survey responses, most people feel moderately safe, especially in relation to other metropolitan areas. Younger respondents did overwhelmingly report (68%) that the street activity in the early mornings and late evening made them feel unsafe walking alone.

Most surveyees stated going to a restaurant was a primary reason for going downtown. Though a restaurant may be an initially desirable solution for the Jazzy Building, there are currently over 400 restaurants in Chattanooga(List of Restaurants in Chattanooga, 2024). Adding another restaurant would likely produce minimal profit margins long term due to an already well saturated market for downtown dining. The highest vote by respondents when asked 'what they would most like to see downtown' was a grocery or small market. A zero-waste market is an affordable solution to meet this desire in a way that doesn't compete with existing services such as Food City or Dollar General.

Though many respondents did care about having at least 2 bedrooms in an apartment, the responses were fairly mixed. The majority of these respondents also stated that they much prefer an open floor plan to a closed one. People also didn't feel strongly about having an outdoor space to use within their apartments.

In summary, the response on what people would most like to see in the space stated a grocery, restaurant/bar, or entertainment space would be most successful in the commercial spaces of the Jazzy Building. Safety will be a key design consideration potentially addressed by having key access to common areas after hours or a nighttime security guard. Because inconclusive data was received about having two or more bedrooms in an apartment, designing a few more affordable studios alongside one and two bedroom units would be a great way to meet the needs of the respondents and include some mixed-income design. Preference of an open floor will allow more usable square footage because the fewer walls are placed within the space. Lack of respondent desire to include an outdoor space also opens up more functional space and is a design relief considering the building has a fairly compact footprint.

Conclusion

This in-depth examination of the Jazzy Building's history and current state establishes the foundation for upcoming chapters, providing the necessary groundwork for making informed decisions and implementing strategic interventions. These efforts are focused on preserving and rejuvenating the Jazzy Building for future generations, considering its present condition.

V. Adaptive Reuse Proposal for the Jazzy Building

This section looks at the application of adaptive reuse to the Jazzy Building including what building uses are most appropriate for historic adaptive reuse based on the previous research, economic feasibility of these applications, and how the project could be done in a way that simultaneously engages the community and utilizes energy efficient design.

Proposed Adaptive Reuse Plan

Intended Use(s) of the Building

The Jazzy Buildings' adaptive reuse project will create a multi-use space that gives option and opportunity to multiple types of residents and visitors in Chattanooga. Keeping the existing east and west facades will help integrate the building with the character and style so prevalent in Chattanooga. Adaptive reuse will also provide different environmental opportunities that Chattanooga is currently lacking. The proposed occupancies for the building's interiors are a zero-waste space, residential space, and a hostel, with the basement utilized as storage for each of the aforementioned occupancies (Figure 5.1).

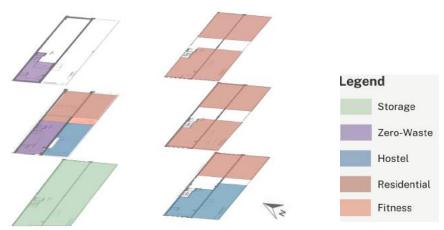


Figure 5.1 - Stacking diagram starting with the basement in the bottom left and continuing up, ending with the fourth floor in the top right.

Hostel space will bring more varied visitors to the space that are coming to explore or work in Chattanooga. Some of the things that will make their stay more convenient will be the zero-waste store and work space (Figures 5.2-5.3). More permanent residents will also benefit from these additions. If residents have guests coming to stay in town, the hostel provides an easy overnight option for residents without additional space. This makes the hostel convenient because it serves as an amenity for apartment renters and brings the intended demographic for the zero-waste store next door.



Figure 5.2 - Pictured is the zero-waste main floor which houses health & beauty products.

Figure 5.3 - Above is the hostel main area which has a kitchen, work area, reception, and lounge.

With composting and recycling services currently available, the addition of health and beauty, and bulk-buy food options is a logical next step for the city of Chattanooga. Utilizing the Jazzy Building as a central location for a zero-waste store is ideal due to its proximity to public transportation and alternative travel routes, and its centrality to outlying areas such as Redbank, Brainerd, and St.Elmo. A downtown location demands fewer carbon emissions from vehicles overall. Customers from the downtown area have the opportunity to walk, bike, or take public transport - none of which would be feasible if the store were elsewhere due to limited bike routes, sidewalks, and central bus routes. Customers in adjacent areas should all have equal opportunity for access to the zero-waste store. By placing the store in one of these outlying areas, more time and gas would be demanded from customers living in an alternate area. Lack of easy access could also lend to a reduction in sales. By placing a zero-waste store in the Jazzy Building, the risk of sales loss is minimized.

Tenants/residents in the apartment spaces will receive the benefits listed above through the adjacency of the zero-waste store and hostel. Tenants will also benefit from gym space and rentable office spaces, allowing them to keep their apartment spaces living-oriented without sacrificing workouts and working from home opportunities(Figure 5.4). These amenities help to reduce the need for nearby parking access. If many of the things residents would commonly need to drive to are located within the buildings, the importance of having proximal parking is reduced. Additionally, gas emissions are reduced, furthering the environmental goals of the redesign.

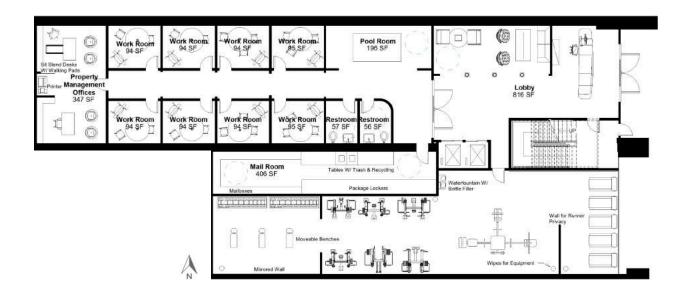


Figure 5.4 - Above is the furniture plan for the main level of the residential space which shows the amenities offered to residents.

Aesthetically, the goals for the adaptive reuse of the Jazzy Building's redesign is to maintain the historical integrity of the east and west facades, and maintain what is remaining of the historical integrity within the interior (Figures 5.5-5.6). When shaping corridors and structural design, the components that make the exterior historic will be mirrored on the interior (arched doorways, columns, brickwork). The interior will also be cozy, encouraging people to spend more time in the spaces. The feeling of coziness will be created through warm lighting, warm Romanesque Revival colors, and comfortable furniture. Through these elements, the redesign of the Jazzy Building will incorporate the original history of the building and its previous tenants while being a space that is modernized to attract users within the age profile discovered through census data.

Preservation of Historical Features

From floor two and up, both the Market Street and Broad Street facades will be preserved. Any salvageable flooring will be kept, either to reuse as flooring, or to create zoned architectural elements within the space(Figure 5.4). All interior exposed brick and plaster will be kept and displayed in the interiors, not to be covered up by gypsum or other modern wall materials. Lastly, all original and salvageable window frames will be kept, only replacing the panes(Figure 5.5).





Figure 5.5 - Hostel south wall elevation which depicts original plastered brickwork, curves referencing facades, and salvaged flooring.

Figure 5.6 - East and west exterior facades illustrating historical integrity and reference points for interior design components.

Economic Feasibility Analysis

Projected Economic Benefits

The uses for this space support tourism, with the hostel providing travelers an affordable downtown place to stay. The Zero-Waste facility utilizable by both residents and tourists, can help bring and maintain money in the Chattanooga economy. Additionally, more residential spaces can help to balance the current rental housing market by decreasing competition.

Community Engagement and Stakeholder Involvement

Strategies for Involving the Local Community

Chattanooga has a green-leaning demographic that is comparatively more Earth conscious than other nearby cities. The city has free electric shuttle buses, a community bike-share program, and a higher solar share offset than all adjoining cities(Green Initiatives, 2024). Two of the proposed occupancies, a hostel space and a zero-waste facility, align with these ideals. Though there are

other hostels in Chattanooga, the Jazzy Building location is more centrally downtown, providing a different and more convenient environment for hostel-goers (Figure 5.7). A zero-waste facility does not currently exist in Chattanooga and, based on previously cited market research, would do very well here.

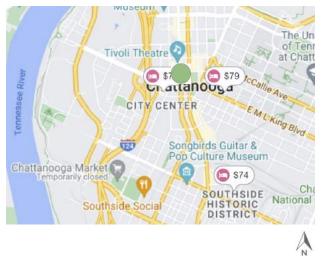


Figure 5.7 - All tagged items are other hostels in the Chattanooga area with the green dot resting on the Jazzy Building

Strategies for Energy-Efficient Designs

Energy efficiency goals for this adaptive reuse project will be met through technological components. All lighting will be LED (Figure 5.8), a new energy-efficient HVAC system will be installed, each major occupancy will have an efficient water heater (Figure 5.9), and all existing windows glazing will be replaced with triple-panes. New windows on the north facade will have fiberglass frames that have insulation within the cavities to improve the thermal performance of the Jazzy Building. The new frames will be painted to match the original wood framing maintained on the east and west facades. Finally, occupancy sensors will be placed throughout the buildings to ensure spaces are only illuminated when in active use.



Figure 5.8

Manufacturer: Portfolio Product: LD8B LED 8" Round Recessed Downlight Price: Not Listed SKU: N/A Features/Benefit: ENERGY Star Qualified, dimmable



Figure 5.9

Manufacturer: A.S. Smith Product: XP Plus Circulating Commercial Gas Water Heater Model Number: PWH0500NP Features/Benefit: Energy Star Certified w/ a TE of .99

Conclusion

By identifying appropriate building uses, assessing economic feasibility, and emphasizing community engagement and energy-efficient design, this chapter has provided a comprehensive framework for the successful implementation of an adaptive reuse plan for the Jazzy Building. Through the use of thoughtful planning and collaboration, the Jazzy Building stands poised to become not only a symbol of heritage but also a vibrant hub that enriches the social, cultural, and environmental fabric of Chattanooga.

VI. Challenges and Recommendations for the Jazzy Building

While navigating the challenges of revitalizing the Jazzy Building, this chapter develops and details how the structural issues are to be addressed in a way that maintains functionality and the proponents of historic preservation. It also outlines direct ways sustainability will be maintained through materials and practices.

Preservation Challenges and Solutions

Addressing Structural Issues

Though the properties will be replatted as one property, the wall that divides the two buildings is essential to its structural integrity. The plan of each floor will work with this wall, and only require cutting a few openings. All openings will be under 6' which should still allow the wall to carry the structural load of the building per the structural engineer's recommendation. Stairs will also be placed on the center of the east and west walls. This placement obstructs the fewest windows possible while providing support to the interior and street facades of the building. The west facade on the Broad Street side currently has a structural support holding it up from the exterior. This wall will need to be reinforced from the inside during construction to ensure survival of the historical facade.

Balancing Preservation with Modern Functionality

In unison with the tenets of adaptive reuse, the balance between preservation and modern functionality will be made through renovation of the interior, and preservation of the exterior. The existing shell of the building - which holds the primary historical components - fits with the city and does not impede interior function. The only changes made to the exterior will be at the street entries of the main level which currently are not historical, and do not meet functional needs. Additionally, windows will be added to the north face of the building which is currently a solid and unadorned brick wall. The new windows will complement the current historical ones to ensure style consistency, but be more energy efficient. The interior will utilize as many of the existing components as possible, though they may not serve their original function. Instead, they will be preserved and repurposed to embellish the modernized interior.

Sustainability and Environmental Considerations for the Jazzy Building

Sustainable Materials and Practices

Proper disposal of construction materials and waste materials will be monitored and ensured. Added materials will be as sustainable as possible. Steel reinforcement should be recycled steel, wood will be reclaimed, and concrete will be precast. Beyond structural sustainability, interior paints will be low or no VOC, plants will be incorporated into the interior design, and a majority of FF&E will be low VOC. Any materials available locally will be sourced locally and all newly purchased textiles will be Red List free.

Conclusion

In looking at the existing structural issues of the Jazzy Building, changes will be minimal, allowing preservation to minimally impede current day functionality. In recrafting the interiors, environmental impact will be kept minimal and carbon neutral when possible. Challenges for the adaptive reuse of the Jazzy Building exist but will not impede design opportunity in restructuring the space for modern use.

VII. Conclusion

Summary of Findings

The goal of the historic structure report was to document the existing structure of the Jazzy Building and provide an in-depth overview of its historical presence in Chattanooga. It was rebuilt after a fire in 1888 in a Romanesque Revival style, and later received a metal facade in 1968 on the first floor entrances. Recent additions include a new parapet roof as well. The building comprises two 4-story brick structures with basements and stone foundations. However, the exterior requires structural reinforcement, and the interior needs extensive renovations including new floors, lead paint removal, and reinforcement of walls and stairs. An entirely new elevator system and energy-conservative windows are also necessary.

The focus shifts to understanding the building's surroundings and projected needs. The area demographic is mainly caucasian, with a male majority of around 34 years old, and 17.2% of the current local population living below the poverty line. Most people who work in the downtown area commute by car, and the demographic is primarily single with a preference for rental housing. The site lacks on-site parking and dense vegetation but offers views of lookout mountain. Community feedback suggests a desire for stores and tourist attractions, though safety concerns exist due to the homeless population. People feel unsafe alone downtown but still express interest in living there. This proposal identifies a new adaptive use for the building based on these findings.

The interior design prioritizes historic integrity, affordability, convenience, safety, and interaction. Exposed brickwork and square windows referencing the original design will be prominent. Occupancy components include a hostel, zero-waste dry goods/health and beauty

store, and an apartment complex with a gym. Considerations for stairwells, archways, and lighting fixtures are essential for functionality and aesthetic cohesion.

The Jazzy Building's transformation hinges on preserving its historical significance while meeting the community's needs and aspirations. By leveraging adaptive reuse strategies and thoughtful design, it can become a vibrant hub that honors its past while embracing the future of Chattanooga's urban landscape.

Implication for Historic Preservation

This redesign will provide an opportunity to maintain a historic property in the city of Chattanooga. Through this maintenance, the city will take another step towards revitalization in a more sustainable capacity than the current trend of demolishing and modernizing historical spaces.

Future Direction and Research Opportunities

Going forward, the concept for the Jazzy Building will be developed into a full construction document set along with specification for finishes and furnishings. Future research will focus on finding and specifying sustainable products, and developing sustainable construction methods to include in the detail drawing set. Further time will be spent on pinpointing the elements of Romanesque Revival that can be implemented into a modernized interior.

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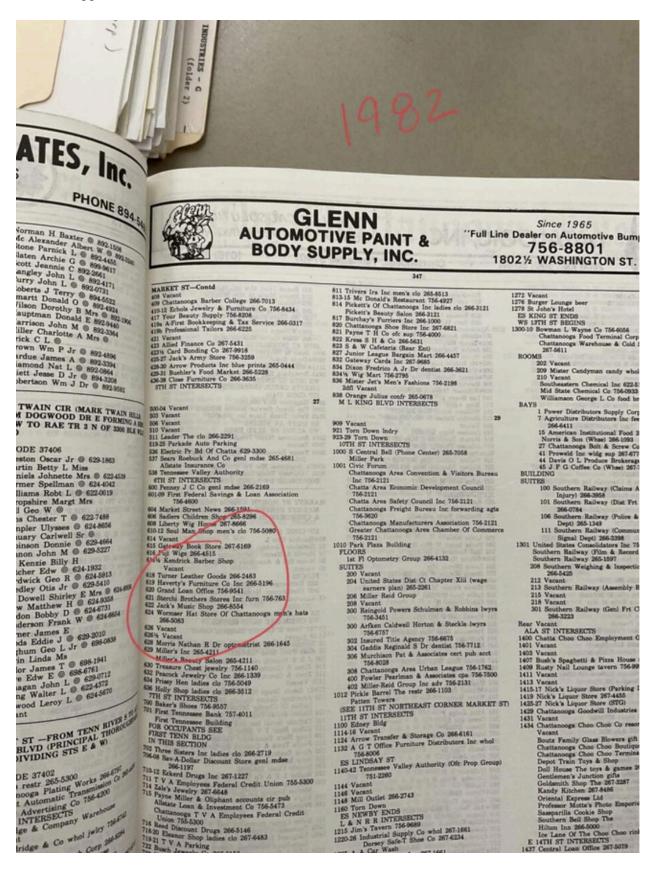
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IX. Appendices



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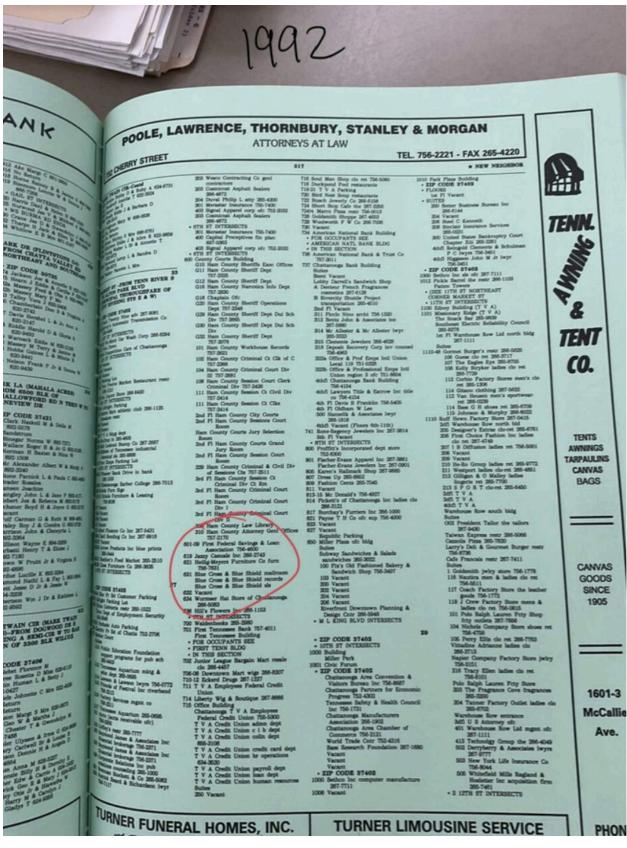
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204-206 Vacant (2 RIVERFRONT DOW & DESIGN CENTER

Flames Razed Downtown **Buildings In June 1888**

Editor's Note - This article by retired newspaper photographer Bob Sherrill, who wrote the following vivid account of Chattanooga's great towntown fire of marky 100 years downtown fire of nearly 100 years ago, is being run in conjunction with the beginning today of National Fire Prevention Week (Oct. 4-10). Mr. Sherrill, who has had a life-

long fascination with firemen and their trade, was made an bonorary member of the Chattanooga Fire Department in 1953.

By BOB SHERRILL

No one could believe that the fairly new buildings on the west side of Market Street from Sixth to Seventh streets could have a fire.

They were the largest and nicest buildings in Chattanooga at that time. Several, like the elegant Griffiss-Caldwell block, were four sto-ries. These buildings extended through to Broad Street.

Among the occupants were Dietzen Bros. Co., Block Drug Co., Griffiss-Caldwell, Rosenau-Crutchfield Co., Gibson-Lee Co., Baltimore Clöthing Co., Rosehein & Son liquor dealers, Shelton-Howard Co. dealers in harness and saddles, Chattanooga Paper Box Factory, A. Tachopik Confectionery and Bradt Printing Co.

It was June 1888 and Chief Charles Whiteside of the fire department appeared before the city coun-cil and told them that the "Wilcox was broken down and Engine" should be replaced. "He said the "Lookout Engine" was

showing some wear and could break down almost anytime. The "Car-lisle" and the "Lookout" engines were the only two steam pumpers the city had.

He told them that Chattanooga has needed to upgrade the fire department.

On Thursday night, August 9,

1888, a young man named William Vance was walking along Broad Street and saw a light in the press room of the Bradt Printing Co.

Suddenly there was a small explo-sion and he immediately knew the

place was on fire. He rushed to a nearby fire alarm box and turned in an alarm. It was

box 28. The time was 9:45 p.m. The printing company was on the second floor of the four-story Grif-fiss-Caldwell building. On the floor above the printing shop was the Chattanooga Paper Box Factory.

Box Factory.

The fire department responded with their two horse-drawn steam pumpers. "The Carlisle" and the "Lookout."

The Lookout engine tied onto the plug at Sixth and Market streets.

Soon they had two streams of wa-ter on the front of the building. The Carlisle engine had two streams on the Broad Street side. After about 30 minutes the Look-

out engine broke down. It was quickly repaired. A few minutes later it quit again.

This time it was beyond repair. All the rest of the time they only had what pressure was in the fire plug. The hose ruptured on the Carli-sle engine several times and each time the water had to be shut off while the section of hose was replaced.

By now the flames were spreading and the fire was getting out of control.

The firemen continued to pour water on the fire throughout the night and up to the next Monday afternon.

Rumors spread through the crowd that a lot of people were missing and believed trapped in the fire. Lat-er, most of the "missing persons" were accounted for.

Shortly after 2 a.m. the body of James P. McMillin was found. He

nad entered the building to retrieve some papers from the Shelton-How-ard Co, where he recently became a member of the firm. Later the bodies of Will Krug, 21.

a salesman for the Dietzen Bros. Co.; David Welch and George Robbins were found.

The body of a black man was found. He was identified by a young black woman, Laura Scott, as her brother, Thomas Smith.

She was on her way to the funeral home to make necessary arrange-ments when she met Thomas on the street.

Her brother Thomas was very much alive!

After she recovered from the shock, she and her brother rushed back and this time they identified the body as Richard Scott, her hushand

When the coroner saw her brother and the victim, he too was startled. He said he had never seen two people who looked so much alike.

Five persons lost their lives. The casualties were all among citizens who entered the various places of business trying to save stock and valuable papers.

No firemen were injured in the fire. Chief Whiteside asked Chief Howard of the police department to keep the people out of the burning buildings. The police chief told him he couldn't prevent people from en-

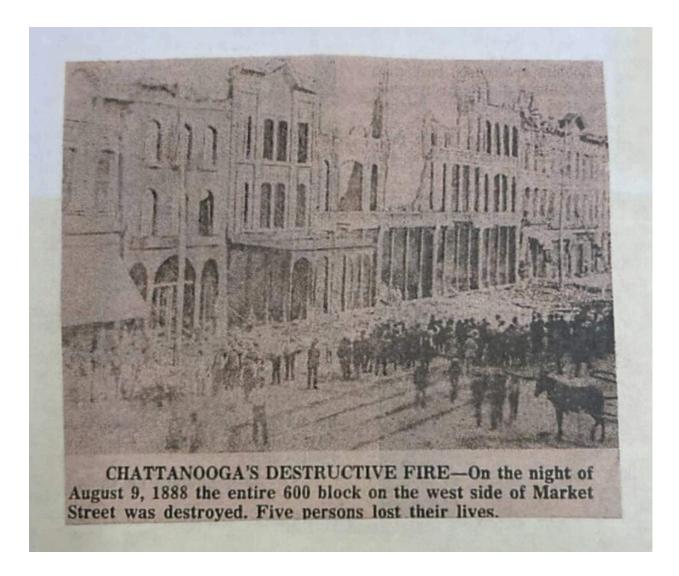
tering their own place of business. Will Harris, a young black boy who worked for the Conrad-Giese Brewery Co., was helping one of the merchants remove some valuables from the fire when some timbers fell on him and pinned his leg down so he couldn't move.

He lay there for almost three hours as the fire kept getting closer.

A "Professor Powell" of New York City. - "a stranger in town" who was passing through Chattanoo-ga on his way to New Orleans – with the help of three black men (J.W. Smith, Richard Martin and J.C. Johnson) made a daring rescue by entering the smoke and heat and freeing young Harris and bringing him out to safety just before the building fell in.

Harris was burned and was suffering from fright.

CHAITANUUWA



X. Acknowledgements

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