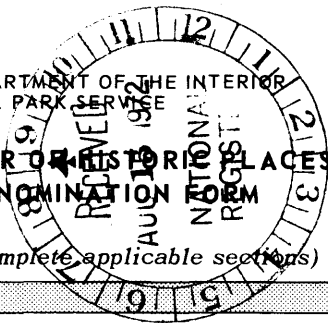


NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM

(Type all entries - complete applicable sections)



1/23/77

STATE: Maryland	
COUNTY: Baltimore City	
FOR NPS USE ONLY	
ENTRY NUMBER SEP 27 1972	DATE

1. NAME

COMMON:
Lombard Street Bridge

AND/OR HISTORIC:
Bollman Truss, Bollman Water-main Truss, Bollman Water Pipe Truss

2. LOCATION

STREET AND NUMBER:
Lombard Street over the Jones Falls stream

CITY OR TOWN:
Baltimore

STATE Maryland	CODE 24	COUNTY: Baltimore City	CODE 510
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3. CLASSIFICATION

CATEGORY (Check One)	OWNERSHIP	STATUS	ACCESSIBLE TO THE PUBLIC
<input type="checkbox"/> District <input type="checkbox"/> Site <input type="checkbox"/> Object <input type="checkbox"/> Building <input checked="" type="checkbox"/> Structure	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Both	<input checked="" type="checkbox"/> Occupied <input type="checkbox"/> Unoccupied <input type="checkbox"/> Preservation work in progress	Yes: <input type="checkbox"/> Restricted <input checked="" type="checkbox"/> Unrestricted <input type="checkbox"/> No
PRESENT USE (Check One or More as Appropriate)			
<input type="checkbox"/> Agricultural <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Educational <input type="checkbox"/> Entertainment	<input checked="" type="checkbox"/> Government <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Military <input type="checkbox"/> Museum	<input type="checkbox"/> Park <input type="checkbox"/> Private Residence <input type="checkbox"/> Religious <input checked="" type="checkbox"/> Scientific	<input checked="" type="checkbox"/> Transportation <input checked="" type="checkbox"/> Other (Specify) Bridge Water main

4. OWNER OF PROPERTY

OWNER'S NAME:
Mayor and City Council of Baltimore

STREET AND NUMBER:
City Hall, Fayette and Holiday Streets

CITY OR TOWN: Baltimore	STATE: Maryland	CODE 24
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5. LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC:
Baltimore City Court House

STREET AND NUMBER:
St. Paul and Fayette Streets

CITY OR TOWN: Baltimore	STATE: Maryland	CODE 24
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6. REPRESENTATION IN EXISTING SURVEYS

TITLE OF SURVEY:
Maryland Register of historic sites and landmarks

DATE OF SURVEY: 1970 Federal State County Local

DEPOSITORY FOR SURVEY RECORDS:
Maryland Historical Trust

STREET AND NUMBER:
94 College Avenue

CITY OR TOWN: Annapolis	STATE: Maryland	CODE 24
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SEE INSTRUCTIONS

STATE: Maryland
COUNTY: Baltimore City
ENTRY NUMBER: SEP 27 1972
DATE: SEP 27 1972
FOR NPS USE ONLY

7. DESCRIPTION

CONDITION

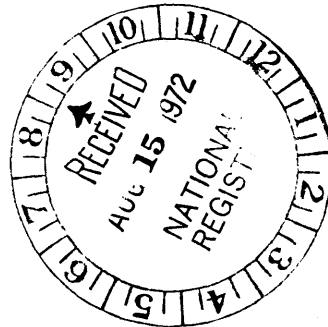
(Check One)	
<input checked="" type="checkbox"/> Excellent	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Deteriorated <input type="checkbox"/> Ruins <input type="checkbox"/> Unexposed
(Check One)	
<input type="checkbox"/> Altered	<input checked="" type="checkbox"/> Unaltered
(Check One)	
<input type="checkbox"/> Moved	<input checked="" type="checkbox"/> Original Site

DESCRIBE THE PRESENT AND ORIGINAL (if known) PHYSICAL APPEARANCE

The Lombard Street Bridge carries Lombard Street over the Jones Falls stream in Baltimore City. The bridge is north of Pratt Street, south of Baltimore Street, east of West Falls Avenue, and west of East Falls Avenue.

The Lombard Street Bridge is an eighty eight foot cast-iron span designed in 1877 by the engineer Wendell Bollman (1814-~~1844~~)/~~88~~ The bridge consists of three lines of trusses, two outer trusses of composite cast- and wrought-iron, of diagonal Pratt-type; the center composite bowstring has a Pratt-system web. Both chords are cast-iron water mains, bifurcated at each end bearing at which point there is a cast-iron post and wrought-iron tie.

see attached letter



SEE INSTRUCTIONS

8. SIGNIFICANCE

PERIOD (Check One or More as Appropriate)

- | | | | |
|--|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Pre-Columbian | <input type="checkbox"/> 16th Century | <input type="checkbox"/> 18th Century | <input type="checkbox"/> 20th Century |
| <input type="checkbox"/> 15th Century | <input type="checkbox"/> 17th Century | <input checked="" type="checkbox"/> 19th Century | |

SPECIFIC DATE(S) (If Applicable and Known)

AREAS OF SIGNIFICANCE (Check One or More as Appropriate)

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Aboriginal | <input type="checkbox"/> Education | <input type="checkbox"/> Political | <input type="checkbox"/> Urban Planning |
| <input type="checkbox"/> Prehistoric | <input checked="" type="checkbox"/> Engineering | <input type="checkbox"/> Religion/Philosophy | <input type="checkbox"/> Other (Specify) |
| <input type="checkbox"/> Historic | <input checked="" type="checkbox"/> Industry | <input type="checkbox"/> Science | _____ |
| <input type="checkbox"/> Agriculture | <input checked="" type="checkbox"/> Invention | <input type="checkbox"/> Sculpture | _____ |
| <input type="checkbox"/> Architecture | <input type="checkbox"/> Landscape Architecture | <input type="checkbox"/> Social/Humanitarian | _____ |
| <input type="checkbox"/> Art | <input type="checkbox"/> Literature | <input type="checkbox"/> Theater | _____ |
| <input type="checkbox"/> Commerce | <input type="checkbox"/> Military | <input checked="" type="checkbox"/> Transportation | _____ |
| <input type="checkbox"/> Communications | <input type="checkbox"/> Music | | _____ |
| <input type="checkbox"/> Conservation | | | _____ |

STATEMENT OF SIGNIFICANCE

Robert M. Vogel of the Smithsonian Institution declares the Lombard Street Bridge as the only bridge of its kind in existence. It is a unique, bifurcated water-main form which is an integral part in the support system for the bridge. Other water-main bridges are constructed through the use of the arch rather than the truss.

Wendell Bollman, a self-taught engineer, invented the Bollman truss (1852) which resulted in being one of the most outstanding advances in nineteenth-century bridge design. Bollman designed many bridges for the Baltimore and Ohio Railroad and for various other firms from Chile to Iowa, including Maryland. He built twelve bridges in Baltimore including the Lombard Street Bridge which continues (1971) to carry city street traffic over the Jones Falls stream after almost a century of use, and water through the original design system.

SEE INSTRUCTIONS



9. MAJOR BIBLIOGRAPHICAL REFERENCES

Recorders: Nancy Miller, Historian, Maryland Historical Trust, 94 College Avenue, Annapolis, Maryland 21401.

Robert M. Vogel, Curator, Division of Mechanical and Civil Engineering, National Museum of History and Technology, Smithsonian Institution, Washington, D. C., Interview, October 14, 1970.

SEE CONTINUATION SHEET

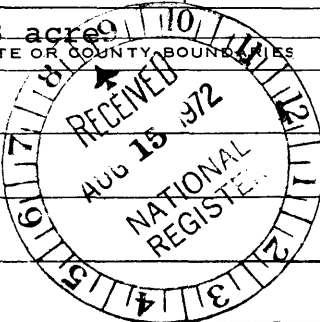
10. GEOGRAPHICAL DATA

LATITUDE AND LONGITUDE COORDINATES DEFINING A RECTANGLE LOCATING THE PROPERTY			O R	LATITUDE AND LONGITUDE COORDINATES DEFINING THE CENTER POINT OF A PROPERTY OF LESS THAN TEN ACRES		
CORNER	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	
	Degrees Minutes Seconds	Degrees Minutes Seconds		Degrees Minutes Seconds	Degrees Minutes Seconds	
NW	° ' "	° ' "		39° 17' 15.0"	76° 36' 19.0"	
NE	° ' "	° ' "				
SE	° ' "	° ' "				
SW	° ' "	° ' "				

APPROXIMATE ACREAGE OF NOMINATED PROPERTY: 0.093 acres

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE:	CODE	COUNTY	CODE



SEE INSTRUCTIONS

11. FORM PREPARED BY

NAME AND TITLE: Mrs. Preston Parish, Keeper of the Maryland Register

ORGANIZATION: Maryland Historical Trust DATE: Jan. 13, 1972

STREET AND NUMBER: 94 College Avenue

CITY OR TOWN: Annapolis STATE: Maryland CODE: 24

12. STATE LIAISON OFFICER CERTIFICATION NATIONAL REGISTER VERIFICATION

As the designated State Liaison Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service. The recommended level of significance of this nomination is:

National State Local

Name Orlando Ridout IV
 Title State Liaison Officer for Maryland
 Date January 14, 1972

I hereby certify that this property is included in the National Register.

Robert M. Vogel
 Chief, Office of Archeology and Historic Preservation

Date 9/27/72

ATTEST: William H. Hunt
 Keeper of The National Register

Date 9-26-72

Form 10-300a
(July 1969)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY - NOMINATION FORM**

(Continuation Sheet)

STATE Maryland	
COUNTY Baltimore City	
FOR NPS USE ONLY	
ENTRY NUMBER	DATE
SEP 27 1972	

(Number all entries)

Lombard Street Bridge

#9. REFERENCES continued

Vogel, Robert M., "The Engineering Contributions of Wendell Bollman," (Paper 36) United States National Museum Bulletin 240: Contributions from the Museum of History and Technology, Smithsonian Institution, Washington, D. C., 1964.



BALTIMORE EAST QUADRANGLE

USGS 7.5 minute map
Scale: 1" = 24,000
Revised for 1966

455
20'

435
20'

LAUREL 20 MI.
5662 I SW
(BALTIMORE WEST) SHAWAN 14 MI

432

17'30"

430

MI



BALTIMORE

LONG: 76° 35' 19"

LOMBARD STREET BRIDGE

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FOR NPS USE ONLY
RECEIVED JUN 30 1975
DATE ENTERED JUN 30 1975

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC

Bollman Truss, Bollman Water-main Truss, Bollman Water Pipe Truss
AND/OR COMMON

Lombard Street Bridge (Preferred)

LOCATION

STREET & NUMBER

Over Gwynns Falls leading from Wetheredsville to Dickeyville
CITY, TOWN NOT FOR PUBLICATION

Baltimore VICINITY OF 6 CONGRESSIONAL DISTRICT

STATE Maryland CODE 24 COUNTY Baltimore City CODE 510

CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE <input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input checked="" type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL <input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT <input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input checked="" type="checkbox"/> YES: RESTRICTED	<input checked="" type="checkbox"/> GOVERNMENT <input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES: UNRESTRICTED	<input checked="" type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY <input type="checkbox"/> OTHER:

OWNER OF PROPERTY

NAME State of Maryland, Maryland Historical Trust

STREET & NUMBER 21 State Circle

CITY, TOWN Annapolis VICINITY OF Maryland STATE

LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC. Baltimore City Courthouse

STREET & NUMBER St. Paul and Fayette Streets

CITY, TOWN Baltimore STATE Maryland

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

DATE

FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input checked="" type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input checked="" type="checkbox"/> MOVED
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		DATE <u>7/74;1975</u>

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Lombard Street Bridge, which formerly carried Lombard Street over the Jones Falls stream in Baltimore City, is located over Gwynns Falls between Dickey Mill to the west and Wetheredsville Road on the east.

The Lombard Street Bridge is an 88 foot cast-iron span designed in 1877 by the engineer Wendel Bollman (1814-1884). The bridge consists of three lines of trusses, two outer trusses of composite cast and wrought iron of diagonal Pratt-type. The center composite bowstring truss has a Pratt-system web. Both chords are cast-iron water mains, bifurcated at each end bearing at which point there is a cast-iron post and wrought-iron tie.

The Lombard Street Bridge was moved because it could no longer handle the heavy volume of traffic on Lombard Street, one of the principal east-west streets in Baltimore. Moving the bridge was the only way to save the structure from total demolition. Because of the unique character of this particular bridge, the City of Baltimore, the State of Maryland, the owners of the Dickey Mill, the Smithsonian Institution, the Commission for Historical and Architectural Preservation, and the Dickeyville citizens have joined forces to secure its future.

The new site of the Lombard Street Bridge consists of a 19th century industrial complex constructed on a level, open space bounded on the west by a steep grade, on the east by the Gwynns Falls, and beyond the stream by Wetheredsville Road. The Mill is not visible to the residential section of Dickeyville, therefore the bridge is not visible to the residents of Dickeyville. The Mill area has, since the 18th century, been industrial.

Since hurricane Agnes no access has existed to the Mill.

Without access to the Mill any proposed adaptive use of the structure cannot be economically viable. The Mill is the key factor in the historic justification for the existence of Dickeyville.

The erection of the Lombard Street Bridge over Gwynns Falls at the Dickey Mill solves two preservation problems by providing a viable adaptive use for two important historic properties. Adaptive use is essential to the viability of preservation as a whole.

Robert Vogel, Chairman, Department of Science and Technology, The National Museum of History and Technology, The Smithsonian Institution, agreed to be a consultant on the reerection.

8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

Robert M. Vogel of the Smithsonian Institution and of the Society for Industrial Archaeology declares the Lombard Street Bridge as the only bridge of its kind in existence. It is a unique, bifurcated water-main form which is an integral part in the support system for the bridge. Other water-main bridges are constructed through the use of the arch rather than the truss.

Wendel Bollman, a self-taught engineer, invented the Bollman truss (1852) which became one of the most outstanding advances in nineteenth-century bridge design. Bollman designed many bridges for the Baltimore and Ohio Railroad and for various other firms from Chile to Iowa, including Maryland. He built twelve bridges in Baltimore, including the Lombard Street Bridge which continued to carry city street traffic over the Jones Falls stream and water through the original design system after almost a century of use.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Vogel, Robert M., "The Engineering Contributions of Wendel Bollman," Paper 36, United States National Museum Bulletin 240: Contributions from the Museum of History and Technology, Smithsonian Institution, Washington, D. C. 1964.

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY 92'2" x 50'6"

UTM OK
HL

UTM REFERENCES

A	1 8	3 5 3 4 2 0	4 3 5 3 0 9 0	B			
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING
C				D			

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

Nancy Miller, Historian

ORGANIZATION

Maryland Historical Trust

DATE

December 1974

STREET & NUMBER

21 State Circle, The Shaw House

TELEPHONE

301-267-1438

CITY OR TOWN

Annapolis,

STATE

Maryland

12 STATE HISTORIC PRESERVATION OFFICER CERTIFICATION

THE EVALUATED SIGNIFICANCE OF THIS PROPERTY WITHIN THE STATE IS:

NATIONAL

STATE

LOCAL

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

John V. Peace
Acting

STATE HISTORIC PRESERVATION OFFICER SIGNATURE

TITLE Acting State Historic Preservation Officer

DATE

July 3, 1975

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

A. A. W. [Signature]

DATE

6.30.75

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

ATTEST:

[Signature]

DATE

6.30.75

KEEPER OF THE NATIONAL REGISTER

Acting