



Smithsonian

*National Museum of American History Kenneth E. Behring Center*

## Guide to the Warshaw Collection of Business Americana Subject Categories: Bridges

NMAH.AC.0060.S01.01.Bridges

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Warshaw Collection of Business Americana Subject Categories: Bridges
<b>Date:</b>	1818-1941
<b>Identifier:</b>	NMAH.AC.0060.S01.01.Bridges
<b>Creator:</b>	Warshaw, Isadore, 1900-1969
<b>Extent:</b>	1 Cubic foot (consisting of 2 boxes, 1 folder, 3 oversize folders, 2 map case folders, plus digital images of some collection material.)
<b>Language:</b>	English .
<b>Summary:</b>	A New York bookseller, Warshaw assembled this collection over nearly fifty years. The <i>Warshaw Collection of Business Americana: Bridges</i> forms part of the Warshaw Collection of Business Americana, Subseries 1.1: Subject Categories. The Subject Categories subseries is divided into 470 subject categories based on those created by Mr. Warshaw. These subject categories include topical subjects, types or forms of material, people, organizations, historical events, and other categories. An overview to the entire Warshaw collection is available here: <a href="#">Warshaw Collection of Business Americana</a>

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## Administrative Information

### Acquisition Information

Bridges is a portion of the Business Ephemera Series of the Warshaw Collection of Business Americana, Accession AC0060 purchased from Isadore Warshaw in 1967. Warshaw continued to accumulate similar material until his death, which was donated in 1971 by his widow, Augusta. For a period after acquisition, related materials from other sources (of mixed provenance) were added to the collection so there may be content produced or published after Warshaw's death in 1969. This practice has since ceased.

### Materials in the Archives Center

Archives Center Collection of Business Americana (AC0404)

### Forms Part Of

Forms part of the [Warshaw Collection of Business Americana](#) .

- [Series 1: Business Ephemera](#)
- [Series 2: Other Collection Divisions](#)
- [Series 3: Isadore Warshaw Personal Papers](#)
- [Series 4: Photographic Reference Material](#)

## Processing Information

In 2016, with funding provided by the Smithsonian Institution's Collections Care and Preservation Fund, the Archives Center at the National Museum of American History implemented the use of minimal level processing standards to increase information about and facilitate access to more of our collections. A large portion of stored material from the original acquisition received minimal level processing, which resulted in additions to this Subject category. This effort included basic arrangement and replacement of non-archival housing for long-term stability, but staples and other fasteners have not all been removed. Revisions to the encoded finding aid were made to reflect the added content in context to the previously processed material.

Minimal level processing and enhancement of the machine-readable finding aid completed by Nicole Blechynden, September 2017.

## Preferred Citation

Warshaw Collection of Business Americana Subject Categories: Bridges, Archives Center, National Museum of American History, Smithsonian Institution

## Restrictions

Collection is open for research. Some items may be restricted due to fragile condition.

## Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

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## Scope and Contents

This subseries consists primarily of materials relating to bridge builders and suppliers of bridge building materials as well as individual bridges, publications, and other materials relating to bridge building. Bridge types include beam, truss, suspension, highway and railroad bridges. Various construction types, such as iron, steel and concrete are represented. Most of the material in this collection was produced in the north eastern United States; a few items are European. While the material dates from 1818 to 1941, the bulk of it was produced between 1870 and 1910. A considerable number of bridge images are present.

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## Arrangement

The material is arranged in four subseries:

- Subseries 1: Bridge Builders and Suppliers of Bridge Construction Materials, 1860-1941
- Subseries 2: Bridges, 1858-1936
- Subseries 3: Publications Relating to Bridges, 1823-1908
- Subseries 4: General Subjects Relating to Bridges, 1818-1926

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Bridges  
Covered bridges  
Railroad bridges  
Suspension bridges

Types of Materials:

Business ephemera  
Ephemera

Names:

John A. Roebling's Sons Company

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## Container Listing

### Subseries 1: Bridge Builders and Suppliers of Bridge Construction Materials, 1860-1941

Scope and Contents: Consists of scattered business correspondence, bills, receipts, advertising cards and blotters, and specifications for construction and/or use of materials. A few catalogues, price lists and other publications are also present. A number of these businesses manufactured wire and cable for bridge construction; notable among these is the John A. Roebling Sons Company, builders of the Brooklyn Bridge.

Arrangement: Arranged alphabetically by name of company.

Box 1, Folder 1	Albany and Greenbush, Albany, New York
Box 1, Folder 1	Alden and Lessig, Rochester, New York
Box 1, Folder 1	American Bridge Company, New York, New York
Oversize 86, Folder 3	American Bridge Company, New York, New York
Box 1, Folder 1	Atlanta Bridge Works, Atlanta, Georgia
Box 1, Folder 1	Barbaroux and Company, Louisville, Kentucky
Box 1, Folder 1	Berlin Iron Bridge Company, East Berlin, Connecticut
Box 1, Folder 2-3	<a href="#">Berlin Construction Company, Berlin, Connecticut</a>
Box 1, Folder 4	Buchanan Bridge Company, Bellefontaine, Ohio
Box 1, Folder 4	Buckeye Machine Company, Cleveland, Ohio
Box 1, Folder 4	Burnett, W. H. and R., Newark, New Jersey
Box 1, Folder 4	Canton bridge Company, Albany, New York
Box 1, Folder 4	Cincinnati Iron Bridge Works, Cincinnati, Ohio
Box 1, Folder 4	Cleveland Bridge and Car Works, Cleveland, Ohio
Box 1, Folder 5	Cofrode-Saylor Company (Philadelphia Bridge Works), Philadelphia, Pennsylvania
Box 1, Folder 5	Cooper and Nash, Fort Edward, New York
Box 1, Folder 5	Cornwall Bridge Iron Company, Cornwall Bridge, Connecticut
Box 1, Folder 5	Corrugated Metal Company, East Berlin, Connecticut

Box 1, Folder 5	Cunningham and Keepers, Milwaukee, Wisconsin
Box 1, Folder 6	Delaware Bridge Company, New York, New York
Box 1, Folder 6	Detroit Bridge and Iron Works, Detroit, Michigan
Box 1, Folder 6	<a href="#">Groton Bridge Company, Groton, New York</a>
Box 1, Folder 6	Hamilton Bridge and Tool Company, Hamilton, Ontario, Canada
Box 1, Folder 6	Hawkins, Herthel and Burrall, Springfield, Massachusetts
Box 1, Folder 6	Hilton Bridge Construction Company, Albany, New York
Box 1, Folder 7	Hein, Lehmann and Company, Dusseldorf, Germany, undated Notes: Promotional book
Box 1, Folder 8	Ingalls Architectural Metal Works, Providence, Rhode Island
Box 1, Folder 8	Kellogg & Maurice, Athens, Pennsylvania Notes: Bridge builders
Box 1, Folder 9	Kellogg Iron Works, Buffalo, New York
Box 1, Folder 10-11	<a href="#">Keystone Bridge Company, Pittsburgh, Pennsylvania, undated</a> Notes: Illustrated album
Box 1, Folder 12	King Iron Bridge and Manufacturing Company, Cleveland, Ohio
Box 1, Folder 12	Lantry and Burr, Bridge Masonry, Topeka, KS
Box 1, Folder 12	Leighton Bridge and Iron Works, Rochester, New York
Box 1, Folder 13	Louisville Bridge and Iron Company, Louisville, Kentucky
Box 1, Folder 14	McClintic Marshall Company, Sciotoville Bridge, Pittsburgh, Pennsylvania Notes: Bridge builders
Box 1, Folder 15	Massillon Iron Bridge Company, Massillon, Ohio
Box 1, Folder 15	McIntire and Company, New York, New York
Box 1, Folder 16	National Bridge and Iron Works, Boston, Massachusetts, 1869 Notes: Annual Illustrated Circular
Box 1, Folder 16	New York Bridge Company, Brooklyn, New York

Box 1, Folder 16	New York and Long Island, Bridge Company, New York, New York
Box 1, Folder 17	Owego Bridge Company, Owego, New York
Box 1, Folder 17	Penn Bridge Company, Beaver Falls, Pennsylvania
Box 1, Folder 17	Phoenix Bridge Company, Phoenixville, Pennsylvania
Box 1, Folder 17	Pittsburgh Bridge Company, Pittsburgh, Pennsylvania
Box 1, Folder 18	Pohlig, J., Brussels, Belgium Notes: Suspension bridges
Box 1, Folder 19	Riddle, T.H. Construction Company, New Brunswick, New Jersey
Box 1, Folder 19	Rochester Bridge and Iron Works, Rochester, Minnesota
	Roebing's, John A. Sons Company, Trenton, New Jersey
Box 1, Folder 20	Business Files Notes: Wire rope and wire
Box 1, Folder 21-22	<a href="#">Correspondence, 1870s, 1894-1908</a>
Box 1, Folder 23	Construction of Parallel Wire Cables for Suspension Bridges, 1925
Box 1, Folder 24	Price List, 1908
Box 1, Folder 25	The Care of Wire Rope, 1915
Box 1, Folder 25	Wire Rope Sockets, undated
Box 1, Folder 25	The Roebling Story, 1941
Box 1, Folder 26	San Francisco Bridge Company, San Francisco, California
Box 1, Folder 26	Scaife, William B. and Sons, Pittsburgh, Pennsylvania
Box 1, Folder 26	Wrought Iron Bridge Builders
Box 1, Folder 26	Seymour, M.T., New York, New York
Box 1, Folder 26	Shiffler Bridge Company, Pittsburgh, Pennsylvania
Box 1, Folder 26	Smith Bridge Company, Toledo, Ohio
Box 1, Folder 26	Smith, C.C. and E.G., La Crosse, Wisconsin



Box 1, Folder 27	Strauss Bascule and Concrete Bridge Company, Chicago, Illinois
Box 1, Folder 28	Teste, A. Fils, Pichat, Moret, & Cie., Lyon-Vaise, France Notes: Suspension bridges, wires, and cables
Box 1, Folder 29	Toronto Bridge Company, Toronto, Canada
Box 1, Folder 29	Union Bridge Company, Athens, Pennsylvania
Box 1, Folder 29	Union Car and Bridge Works, Chicago, Illinois
Box 1, Folder 29	Watson Manufacturing Company, Paterson, New Jersey
Box 1, Folder 29	West Virginia Bridge Works, Charlestown West Virginia
Box 1, Folder 29	Wrought Iron Bridge Company, New York, New York
Box 1, Folder 30	<a href="#">Wrought Iron Bridge Company, Canton, Ohio</a> Notes: Bridge specifications

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## Subseries 2: Bridges, 1858-1936

Scope and Contents: Consists of materials related to individual bridges.

Arrangement: Divided into two subseries. Subseries 2.1 is arranged alphabetically by name. Subseries 2.2 is arranged by type of bridge: Covered Bridges, Railroad Bridges, and Suspension Bridges.

- Subseries 2.1: Bridges by Name, 1858-1936
- Subseries 2.2: Bridges by Type, circa 1860-1910

### Subseries 2.1: Bridges by Name, 1858-1936

Box 2, Folder 1-2	<a href="#">Brooklyn Bridge [Also known as East River Bridge], New York, New York</a>
Oversize 9, Folder 6	Brooklyn Bridge, New York, New York
Box 2, Folder 3	Cincinnati and Covington Bridges
Box 2, Folder 3	Connecticut River Bridge, Hartford, Connecticut
Box 2, Folder 3	Delaware Bridge, Philadelphia, Pennsylvania
Box 2, Folder 3	Eads Bridge, St. Louis, Missouri

Box 2, Folder 4	George Washington Bridge, New York, New York
Box 2, Folder 4	Harlem River Bridges, Harlem, New York
Box 2, Folder 5	Highway Draw Bridge, Rahway, New Jersey
Box 2, Folder 5	Hudson Memorial Bridge(Committee), New York
Box 2, Folder 6	Lowe Bridge, New York, New York
Box 2, Folder 6	Old North Bridge, Concord, Massachusetts
Oversize 86, Folder 4	Natural Bridge, Virginia
Box 2, Folder 7	New Bridge, Macomb's Dam, New York
	Niagara Falls
Box 2, Folder 7	Suspension Bridge, 1858
Box 2, Folder 7	Upper Steel Arch Bridge
Box 2, Folder 8	<a href="#">Queensboro Bridge, New York, New York</a>
Box 2, Folder 8	Rensselaer Bridge, Albany, New York
	San Francisco-Oakland Bay Bridge
Box 2, Folder 9	San Francisco-Oakland Cantilever Bridge by Charles Evan Fowler, 1915
Box 2, Folder 9	San Francisco-Oakland Bay Bridge, United States Steel, 1936
Box 2, Folder 10	Spuyten Duyvil Bridge, New York, New York
Box 2, Folder 10	Triboro Bridge, New York, New York
Oversize 9, Folder 6; Box 2, Folder 11	Washington Bridge, New York, New York
Box 2, Folder 11	Williamsburg Bridge, New York, New York, 1903 Notes: Opening ceremonies

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Subseries 2.2: Bridges by Type, circa 1860-1910

Scope and Contents: Consists primarily of illustrations with a few other materials.

Box 2, Folder 12 [Covered bridges, images of](#)

Railroad bridges

Box 2, Folder 13 Images of and correspondence and documents relating to

Box 2, Folder 13 Correspondence and documents relating to

Box 2, Folder 14 "Account of Bridges on C. & E. Rail Road July 1866 Commencing at Bradford"  
Notes: Handwritten notebook signed "J. A. Bean"

Box 2, Folder 14 "Northern Railroad Buildings and Bridges Div. number 2, April 1887"  
Notes: Handwritten notebook, no name

Box 2, Folder 15 Suspension Bridges, images of

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### Subseries 3: Publications Relating To Bridges, circa 1823-1908

Scope and Contents: Consists of publications concerning general topics relating to several types of bridges. They are in pamphlet form; one is from a popular periodical.

Box 2, Folder 16 ["Mr. Coin Shakespeare's Portable Rope Bridge", 1823](#)

Box 2, Folder 17 General Specifications for Bridges, Part III, Substructures and Concrete Bridges by J. E. Grenier, 1911

Box 2, Folder 18 Hints for Architects, Strength Contributed by Cross Bridging by R. G. Hatfield, 1877

Box 2, Folder 19 "London Bridge," and "Suspension Bridges," The Penny Magazine, 1832

Box 2, Folder 20 Notes on the Theory of Cantilever Bridges by Charles McMillan, undated

Box 2, Folder 21 Specifications for Bridges Carrying Electric Railways by the Massachusetts Railroad Commission, 1901, 1908

Box 2, Folder 22 Supplemental Brief of the Lake Carriers Association, 1856

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### Subseries 4: General Subjects Relating to Bridges, 1818-1926

Scope and Contents: Consists of general bridge-related materials, including bills and receipts, state documents, stocks and bonds, postcards, general images, caricatures of bridge builders, and miscellaneous materials.

Arrangement: Arranged as follows: Bills and Receipts, State Documents, Stocks and Bonds, Postcards, General Images, Caricatures of Bridge builders, and Miscellaneous.

Box 2, Folder 23	Bills and receipts
Box 2, Folder 24	State documents
Box 2, Folder 25	Stocks and bonds
Box 2, Folder 26	Postcards
Box 2, Folder 27	Images
Oversize 86, Folder 4	Images of natural bridges
Oversize 86, Folder 4	Images of constructed bridges
Box 2, Folder 28	<a href="#">Caricatures of bridge builders</a>
Box 2, Folder 29	Miscellaneous materials

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Box SUPP 6, Folder 6	Business Records. Illustration., 1894-1915 Notes: Receipts and correspondence related to bridge construction and engineering. One trade card featuring a bridge.
Map-folder 10	Bridges
Map-folder 16	Bridges