



Smithsonian
National Museum of American History
Kenneth E. Behring Center

Guide to Modjeski and Masters Company Records

NMAH.AC.0976

Alison Oswald

2015-2016

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Modjeski and Masters Company Records
Identifier:	NMAH.AC.0976
Date:	1870-1979 (bulk 1900-1940)
Extent:	60 Cubic feet (139 boxes)
Source:	Mechanical and Civil Engineering, Division of [former name], NMAH, SI. History of Technology, Division of, NMAH, SI Modjeski and Masters
Language:	English Collection is in English. Some materials in French, Polish, and Russian.
Summary:	The records document the work of consulting engineers and bridge builders, Ralph Modjeski (1861-1940) and Frank Masters (1883-1974) of Harrisburg, Pennsylvania.

Administrative Information

Acquisition Information

The collection was donated by Modejeski and Masters Consulting Engineers, through Joseph J. Scherrer, October 2, 1990.

Provenance

Transferred from Division of Work and Industry to the Archives Center in 2006.

Related Materials

Materials in the Archives Center

Bollman Truss Bridge Collection, 1852-1986 (AC1064)

Canadian Bridges Photograph Albums, 1873-1911 (AC1025)

Victor C. Darnell Bridge Construction Photographs, 1911-1913 and undated (AC1018)

Beata Drake Covered Bridge Collection, 1954-1981 (AC0998)

Ben Franklin Bridge Photograph Album, 1922-1926 (AC1029)

Hartford, Connecticut Bridge Collection, 1903-1905 (AC1066)

Lake Shore and Michigan Southern Railroad Bridge Profiles, 1877-1896 (AC1073)
Richard H. Miller Bridge Collection : postcards and slides, circa 1950-1988 and undated, #950
George S. Morison Collection, 1846-1903 (AC0978)
Niagara Falls Bridge Commission Records, 1848-1946 (bulk 1890-1929) (AC1060)
Northern Pacific Railroad Bridge Construction Photograph Album, 1883-1884 (AC1030)
David Plowden North American Bridge Photographs, 1970-1976 (AC1019)
Quebec Bridge Photograph Collection, 1905-1986 (bulk 1905-1916) (AC1026)
Railroad Bridges Construction Photograph Album, circa 1905-1914 (AC1024)
Samuel Reed Bridge Collection, 1947-1964 (AC1001)
Rip Van Winkle Bridge Photographs, 1933-1935 (AC1027)
John A. Roebling Collection, 1836-1975 (bulk 1930-1950) (AC0981)
Holton Duncan Robinson Papers, 1889-1938 (AC0963)
Lucinda Rudell Covered Bridges Collection, 1942-1979 (AC1028)
Lester Shanks Collection of Covered Bridge Photographs and Ephemera, 1876-2010 (bulk 1973-2008) (AC1244)
Washington, D.C. Bridges Collection, 1900-1905 (AC01095)
Raymond E. Wilson Covered Bridge Collection, 1958-1974 (AC0999)

Materials at Other Organizations

Southern Illinois University, Morris Library Special Collections

[Walter E. Angier photograph collection, 1901-1915](#)

[Walter E. Angier Vertical File Manuscript, 1924](#)

Michigan Historical Collections, Bentley Historical Library, University of Michigan

[Alfred Noble Papers, 1862-1922](#)

Processing Information

Collection processed by NMAH staff.

Processing Information

Collection processed by Alison Oswald, 2015-2016.

Preferred Citation

Modjeski and Masters Company Records, Archives Center, National Museum of American History

Restrictions

Collection is open for research.

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Biographical / Historical

Rudolphe Modrzejewski was born to Helena Jadwiga Opid (d.1909) and Gustav Sinnmayer Modrzejewski (d. 1901) on January 27, 1861, in Cracow, Poland. His mother was an internationally known stage actress who went by the name Helena Modrzejewska. In 1868, Helena married Count Karol Bożenta Chłapowski. In July 1876, Helena and Rudolphe emigrated to America, where, for purposes of American citizenship, the Polish form of their surname was later changed to Modjeski (feminine form Modjeska). Modjeski became a naturalized citizen in 1883 in San Francisco, California.

In 1882, Modjeski returned to Europe to study at the Ecole Des Ponts et Chaussees and graduated in 1885 with a degree in civil engineering. Modjeski worked with prominent civil engineer and "Father of American Bridge Building," George S. Morison, on the Union Pacific Railroad Bridge over the Missouri River at Omaha as an assistant engineer. He remained with Morison from 1885 to 1892. Some of his assignments included working in the shops which produced steel sections; the design office where he advanced to chief draftsman; and as an inspector of quality control in shops that fabricated steel elements. Modjeski worked with Morison on his Willamette, Nebraska City, Sioux City, Winona, Cairo, and Memphis bridges across the Mississippi River. The Memphis bridge was the longest span cantilever in the country at the time.

In 1893, Modjeski opened a civil engineering practice in Chicago with S. Nicholson. After some financial difficulties, Nicholson and Modjeski dissolved their partnership. Modjeski's first individual large commission was the bridge at Rock Island, Illinois (1895) across the Mississippi River where he designed and supervised the construction of the bridge for the federal government and the Chicago, Rock Island and Pacific Railway Company.

In 1902, Modjeski went into partnership with fellow civil engineer, Alfred Noble (1844-1914) forming the firm of Noble and Modjeski. He went into partnership with Walter Angier, under the name Modjeski and Angier, civil and inspecting engineers, between 1912 and 1924 with several offices around the United States. Angier had worked with him beginning in 1902 on the bridge across the Mississippi at Thebes, Illinois. Modjeski partnered, in 1924, with Frank Masters (1883-1974), who had worked with him and Angier between 1904 and 1914 on the Memphis and Louisville Bridges, forming Modjeski and Masters. Clement E. Chase and Montgomery B. Case later joined the firm as partners. In 1937, Masters assumed full control and ownership of the firm which specialized in the design and construction supervision of large bridges and other structures, rehabilitation and reconstruction of existing bridges, the design of highways and expressways, subways and wharves, the design of large and complex foundations, inspection of construction materials, and the creation of surveys, investigations and reports.

Modjeski built and/or consulted on over forty bridges in his lifetime. He built truss, steel arch, and suspension bridges. He introduced steel tower pylons in place of masonry towers and he used better grades of steel, such as new steel alloys with improved strength and durability. He also introduced advancements in the design of cable configurations and deck-stiffening beams. Some of his major projects included: the Columbia River and Willamette bridges, McKinley Bridge at St. Louis; the Celilo Railroad Bridge at Celilio, Ohio; the Thebes Bridge over the Mississippi; the Quebec Bridge over the

St. Lawrence River; the Delaware River Bridge; the San Francisco-Oakland Bay Bridge, the Manhattan Bridge, and the Mid-Hudson Bridge.

On December 28, 1885, Modjeski married Felicie Benda (d. 1936) in New York and the couple had three children: Felix Bozenta Modjeski (1887); Marylka Stuart Modjeski (1894) and Charles Emmanuel John Modjeski (1896-1944). Ralph and Felicie divorced in 1931. He later married Virginia Giblyn on July 7, 1931. Modjeski died in Los Angeles on June 26, 1940.

Scope and Contents

This collection documents the civil engineering career of Ralph Modjeski (1861-1940) and Frank masters (1883-1974). The materials include bound volumes and loose photographs of bridge work-in-progress; printed reports; articles, pamphlets; drawings, blue prints and tracings of bridges; letterpress books of correspondence; contracts; reports; studies of bridge materials; and glass plate negatives and lantern slides depicting bridges.

Arrangement

The collection is arranged into ten series.

Series 1: Biographical Materials, 1915-1986

Series 2: Letter Press Books, 1898-1906

Series 3: Photographs, 1878-1979

Series 4: Contracts, 1895-1960

Series 5: Printed Materials, 1862-1969

Series 6: Newspaper Clippings, 1924-1941

Series 7: Lantern Slides, undated

Series 8: Glass Plate Negatives, 1906-1926

Series 9: Film Negatives, 1924, undated

Series 10: Drawings, 1901-1952

Bibliography

Barghouti, Kim, comp. *Nevada State Journal, 1870-1900* [database on-line]. Provo, UT, USA: Ancestry.com Operations Inc, 2000.

Duran, W.F. *Biographical Memoir of Ralph Modjeski, 1861-1940*. National Academy of Science, 1944.

Głomb, Józef. Translation by Peter J. Obst; edited by Halka Chronic. *A man who spanned two eras : the story of bridge engineer Ralph Modjeski* Philadelphia, Pa. : Kosciuszko Foundation, Philadelphia Chap, c 2002, 1988.

Griggs, Frank. "Ralph Modjeski," *Structure*, January 2013. (last accessed on January 12, 2016, <http://www.structuremag.org/?p=1182>)

"Modjeski Dies, 79; Famous Engineer," *New York Times*, June 28, 1940.

Journal of the Franklin Institute, Vol. 194, July-December 1922, pages 372-374.

Names and Subject Terms

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

Subjects:

- Bridge failures
- Bridges
- Civil engineering

Types of Materials:

- Contracts
- Correspondence
- Drawings
- Lantern slides
- Letterpress books
- Oral history -- 1950-1970
- Photographs -- 19th century
- Photographs -- Black-and-white negatives -- Glass

Names:

- History of Technology, Division of, NMAH, SI
- Masters, Frank, 1883-1974
- Mechanical and Civil Engineering, Division of [former name], NMAH, SI.
- Modjeski, Ralph, 1861-1940
- Vogel, Robert M.

Geographic Names:

- Harrisburg (Penn.)
- Pennsylvania

Container Listing

Series 1: Biographical Materials, 1915 - 1986

This series consists of biographical materials for Ralph Modjeski and Frank Masters and historical background information about Modjeski and Masters, Inc.

Box 1, Folder 1	Frank Masters, 1951 - 1981
Box 1, Folder 2-4	Interview with Frank Masters , 1963 April 8 <i>1 electronic discs (cd) (Duration: 32:39; 2 KB)</i> <i>1 electronic discs (dvd) (Duration: 32:39; 1.2 GB, 96k, 24 bit preservation .wav file)</i> <i>1 Sound tape reel (Duration: 32:39; 7 1/2" IPS; 7")</i> Frank Masters (interviewee); Robert Vogel (interviewer); and an unidentified third party. Interview conducted at the United States National Museum, Washington, D.C., April 8, 1963. Topics discussed include: materials used in bridge construction, welding vs. riveting; weight issues; pneumatic caissons and the change to open dredge piers; the Huey Long bridge in New Orleans; the Midtown Tunnel in New York, Clement Chase, and patenting.
Box 1, Folder 5	<i>A Romance of Engineering</i> (memoirs of Frank M. Masters), 1962
Box 1, Folder 6	Ralph Modjeski (biographical sketches), undated
Box 1, Folder 7	Ralph Modjeski (photographs), undated
Box 1, Folder 8	Ralph Modjeski (articles), 1915 - 1986
Box 1, Folder 9	<i>A Man at the Crossroads of Epochs</i> , 1999
Box 2, Folder 1	Modjeski and Masters Consulting Engineers, 1893, undated
Box 2, Folder 2	Professional Engineering Services, undated
Box 2, Folder 3	Historical data regarding the firm of Modjeski and Masters, undated
Box 2, Folder 4	Major Highway Bridges, 1958-1969, undated
Box 105, Folder 1; Box 2, Folder 5; Box 128, Folder 1	Awards, 1941 - 1973
Box 89, Folder 3	What's left over? (caricature)

Box 89, Folder 3 Where did he come from? (caricature)

Box 89, Folder 3 Caricature of Ralph Modjeski, 1933 - 1933

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Series 2: Letter Press Books, 1898 - 1906

The letter press books consist of bound volumes of correspondence between Modjeski and other civil engineers and companies that supplied materials or services for his bridge projects. The books are arranged chronologically and then alphabetically by name of bridge. Many of the individual letters in the bound volumes contain cross references to related letters. This is indicated at the top of the letter using the page number. For example, a January 18, 1905 letter to Modern Steel Structural Company of Waukesha, Wisconsin (page 339 of the volume), contains a cross reference to a related letter on page 286 of the same volume.

Box 3, Folder 1	Letter Press book (Ralph Modjeski), 1898 June 6-1899 February 23
Box 3, Folder 2	Letter Press Book (Ralph Modjeski, general correspondence), 1902 April 25-1902 November 19
Box 4, Folder 1	Letter Press Book (Ralph Modjeski), 1902 November 19-1903 September 11
Box 5, Folder 1	Letter Press Book (Ralph Modjeski), 1903 September 11-1904 April 18
Box 6, Folder 1	Letter Press Book, 1899 February 23-1900 March 13
Box 6A, Folder 1	Letter Press Book, 1900 March 13-1900 September 11
Box 6A, Folder 2	Letter Press Book, 1900 September 11-1901 March 2
Box 7A, Folder 1	Letter Press Book, 1901 March 4-1901 June 28
Box 7A, Folder 2	Letter Press Book, 1901 July 1-1901 October 7
Box 7, Folder 1	Letter Press Book, 1901 October 9-1901 December 30
Box 7, Folder 2	Letter Press Book, 1902 January 1-1902 April 20
Box 8, Folder 1	Letter Press Book (general book), 1902 July 17-1903 August 21
Box 8, Folder 2	Letter Press Book (general book), 1903 August 21-1904 June 13
Box 9, Folder 1	Letter Press Book (general book), 1904 June 14-1904 October 31
Box 9, Folder 2	Letter Press Book (general book), 1904 November 1-1905 March 20
Box 10, Folder 1	Letter Press Book (general book), 1905 March 20-1905 July 28
Box 10, Folder 2	Letter Press Book (general book), 1905 July 27-1905 November 1

Box 11, Folder 1	Letter Press Book (general book), 1906 March 13-1906 July 5
Box 11, Folder 2	Letter Press Book (general book), 1908 January 5-1908 October 8
Box 12, Folder 1	Letter Press Book (general book), 1908 October 8-1909 April 2
Box 12, Folder 2	Letter Press Book (general book), 1909 April 2-1909 October 2
Box 13, Folder 1	Letter Press Book (general book), 1909 October 28-1910 April 28
Box 13, Folder 2	Letter Press Book (general book), 1910 April 28-1911 December 06
Box 14, Folder 1	Letter Press Book (general book), 1910 December 06-1911 December 06
Box 14, Folder 2	Letter Press Book (general book), 1911 December 28-1913 May 21
Box 15, Folder 1	Letter Press Book (general book), 1913 May 21-1914 December 31
Box 15, Folder 2	Letter Press Book (general book), 1915 January 1-1916 May 17
Box 16, Folder 1	Letter Press Book (general book), 1918 October 30-1920 May 3
Box 16, Folder 2	Letter Press Book (general book), 1920 May 3-1921 July 18
Box 17	Letter Press Book (general book), 1921 July 14-1922 October 31
Box 16, Folder 1	Letter Press Book (general book), 1918 October 30-1920 May 3
Box 16, Folder 2	Letter Press Book (general book), 1920 May 3-1921 July 18
Box 17	Letter Press Book (general book), 1921 July 14-1922 October 31
Box 25, Folder 2	Celilo Bridge (Oregon Trunk Railway), 1910 February 15-1912 April 17
Box 78	Celilo Bridge (Oregon Trunk Railway), 1912-04-06 - 1913
Box 21, Folder 2	Baton Rouge Bridge Letter Book , 1909 October 2-1922 April 24
Box 20, Folder 1	Memphis Bridge Letter Book, 1913 April 10-1914 May 24
Box 20, Folder 2	Memphis Bridge Letter Book, 1914 July 24-1916 January 27
Box 20, Folder 1	Memphis Bridge Letter Book, 1916 January 27-1917 February 26

Box 22, Folder 1	Portland and Willamette Bridge, 1905 October 25-1906 August 6
Box 22, Folder 2	Portland and Willamette Bridge (Portland and Seattle Railway), 1906 August 6-1907 January 11
Box 19, Folder 3	Southern Illinois and Missouri Bridge, 1904
Box 21, Folder 3	St. Louis Electric Bridge Company (calculations), 1907 - 1907
Box 23, Folder 1	St. Louis Electric Bridge Company (calculations), 1909 - 1910
Box 23, Folder 2	St. Louis Electric Bridge Company Letter Book, 1907 October 9-1909 May 29
Box 23, Folder 3	St. Louis Electric Bridge Company Letter Book, 1909 May 28-1910 June 29
Box 23, Folder 4	St. Louis Electric Bridge Company Letter Book, 1910 June 30-1911 March 1
Box 18, Folder 1	Thebes Bridge , 1902 January 01-1904 June 24
Box 18, Folder 2	Thebes Bridge, 1904 June 30-1906 January 18
Box 18, Folder 3	Thebes Bridge (camber and erection adjustment), circa 1902
Box 18, Folder 4	Thebes Bridge (camber and erection adjustment) , circa 1902 Includes loose material.
Box 19, Folder 1	Thebes Bridge #4, 1904 February 10-1904 November 30
Box 19, Folder 2	Thebes Bridge #5, 1904 December 1-1906 January 17
Box 24, Folder 1	Vancouver-Portland Bridges (Portland and Seattle Railway), 1907 January 11-1907 September 26
Box 24, Folder 2	Vancouver-Portland Bridges (Portland and Seattle Railway), 1907 September 26-1908 June 28
Box 25, Folder 1	Vancouver-Willamette Bridge (Portland -Seattle Railway), 1908 June 30-1909 October 08

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Series 3: Photographs, 1878 - 1979

This series consists of approximately 13,000 "work-in-progress" photographs documenting Modjeski and later, Masters bridge construction. Images include black-and-white prints, negatives, slides, lantern slides, and transparencies. Many of the photographs are loose, but there are some bound albums. The majority of photographs are captioned and contain views of machinery, workers, aerial views, and streetscape scenes including buildings for major United States cities such as Philadelphia. The photographs also document the testing of cable materials, views depicting approaches to bridges, railway yards, waterfront piers, landscape views, buildings, demolition of other structures, and blasting of stone. Other loose materials found with the photographs include notes, correspondence, blueprints, and postcards. This series is arranged alphabetically by name of bridge.

Box 2, Folder 6	List of plates and films, 1927 - 1927
Box 2, Folder 7	Unidentified transparencies, undated
Box 26, Folder 1	Akron, Ohio Bridge, 1943 September
Box 26, Folder 2	Ak-Sak-Ben Bridge (between Omaha, Nebraska and Council Bluffs, Iowa), 1939
Box 67, Folder 1; Box 26, Folder 3	Alaska Bridges, 1920
Box 26, Folder 4	Alcoa Dock Site (Baton Rouge, Louisiana), 1942
Box 70, Folder 1	Algiers Lift Bridge (New Orleans), undated
Box 105, Folder 2	Allegheny River Bridge, 1950 - 1950
Box 26, Folder 5	Allen G. Nichols Bridge (Calvin, Oklahoma), undated
Box 89, Folder 3	Ambassador Bridge, 1930 - 1930
Box 26, Folder 6	Arlington Memorial Bridge (Arlington, Virginia), undated
Box 26, Folder 7	Atchafalaya Bridge (Louisiana), undated
Box 26, Folder 8	Battle Creek Road and Dodge Avenue Bridge (Omaha, Nebraska), undated
Box 28, Folder 6	Battle Pass, Salem, New Hampshire
Box 26, Folder 9	Bedford, Pennsylvania Bridge , 1938 - 1941
Box 26, Folder 10	Bellair-Parkersburg Bridge, Ohio River (Bellair, Ohio to Parkersburg, West Virginia), 1941

	Ben Franklin Bridge, undated <i>6 Photographs</i>
Box 26, Folder 11	Berwick Bay Bridge (Morgan City, Louisiana), 1963
Box 105, Folder 3	Bessemer and Lake Erie Bridge, undated
Box 26, Folder 12	Binghamton, New York bridges , 1944
Box 26, Folder 13; Box 67, Folder 2	Bismarck Bridge , 1905 - 1906
Box 70, Folder 2	Bismarck Bridge (North Dakota), 1906 - 1906
Box 26, Folder 14	Broadway Bridge (Portland, Oregon), 1912 - 1913
Box 70, Folder 3	Broadway Bridge, 1914 - 1914
Box 26, Folder 15	Brockport-Paduca Bridge, Ohio River (Paducha, Kentucky), 1928
Box 105, Folder 4	Cable Stay (Lulling, Texas), undated
Box 26, Folder 16	Cairo Bridge (Cairo, Illinois), 1937 - 1951, 1903 - 1903
Box 27, Folder 1	Cairo Bridge, Cairo, Illinois, 1936 - 1937
Box 27, Folder 2	Cairo Bridge, Cairo, Illinois, 1936 - 1937
Box 27, Folder 3	Cairo Bridge, Cairo, Illinois, 1937, 1950s
Box 27, Folder 4	Calvert Street Bridge (Washington, D.C.), 1934 - 1935
Box 27, Folder 5	Calvert Street Bridge (Washington, D.C.) , 1938 November Includes inspection notebook and documentation for the St. George's Bridge and Chesapeake Delaware Canal
Box 27, Folder 6	Calvert Street Bridge (Washington, D.C.) model photographs, undated
Box 28, Folder 1	Calvert Street Bridge (Washington, D.C.), 1934 - 1935
Box 89, Folder 4	Calvert Street Bridge (Washington, D.C.) (#1-#10)
Box 89, Folder 5	Calvert Street Bridge (Washington, D.C.) (#11-#20)

Box 89, Folder 6	Calvert Street Bridge (Washington, D.C.) (#21-#31)
Box 28, Folder 2	Calhoun, Kentucky Bridge, undated
Box 28, Folder 3	Cape Girardeau Bridge (Mississippi River), 1942
Box 28, Folder 4	Carquinez, California Bridge , 1927
Box 28, Folder 5	Carrollton-Prestonville, Kentucky Bridge, undated
Box 28, Folder 7	Cedar-Cliff Bridge (Yellow Breeches, Oregon)
Box 67, Folder 3	Celilo Bridge, 1910
Box 68, Folder 1	Celilo Bridge, 1911
Box 68, Folder 2	Celilo Bridge, 1910 - 1912
Box 28, Folder 8	Celilo Bridge (Oregon Trunk Rail Bridge) , 1910 - 1911
Box 28, Folder 9; Box 89, Folder 7	Chain Bridge (Washington, D.C.), 1938
Box 28, Folder 10	Charenton, Louisiana Bridge, 1940 - 1941
Box 28, Folder 11	Cherry Street Bridge (Toledo, Ohio), 1910
Box 29, Folder 1	Chesapeake and Delaware Canal Bridges, 1975 - 1975, 1936 - 1938
Box 29, Folder 2	Chicago, Madison and Northern Railroad, undated
Box 69, Folder 1	Cincinnati Bridge, 1921 - 1922
	Cincinnati-Covington, aerial view <i>3 Photographs (rolled; 66 1/4" x 22"; 65 1/4" x 22 3/4"; and 54 1/4" x 22")</i>
Box 29, Folder 3	Cincinnati, Ohio Bridge (Southern Railroad bridge), 1921
Box 29, Folder 4	Cincinnati, Ohio Bridge (Southern Railroad bridge), 1929
Box 29, Folder 5	Cincinnati, Ohio Bridge (Suspension Bridge), 1929

Box 29, Folder 6	Cincinnati-Newport Bridge, 1947
Box 29, Folder 6	Cincinnati-Newport Bridge
Box 29, Folder 7	Circumferential Highway Bridge, Dedham, Massachusetts, undated
Box 91, Folder 2	City Park Lake Bridge (New Orleans)
Box 91, Folder 3	Claiborne Avenue Interchange (New Orleans), circa 1950s
Box 29, Folder 8	Clark's Ferry Bridge (Pennsylvania), 1923 - 1928, 1946 - 1946 Image(s)
Box 29, Folder 9	Clark's Ferry Bridge (Pennsylvania), 1924 - 1925
Box 29, Folder 10	Clark's Ferry Bridge (Pennsylvania), 1925, 1888 - 1888
Box 91, Folder 4	Clark's Ferry Bridge (Pennsylvania), 1925 - 1925
Map-folder 1	Clarks Ferry Bridge (Pennsylvania), undated <i>1 panoramic print</i>
Box 29, Folder 11	Clark's River Bridge (Kentucky), 1928
Box 30, Folder 1	Cleveland Bridge, 1932
Box 30, Folder 2	College Highway Bridge (Southington, Connecticut), undated
Box 30, Folder 3; Box 102, Folder 1	Columbia River Bridge, 1906
Box 30, Folder 4	Constitution Avenue Bridge (Theodore Roosevelt Memorial Bridge), 1957
Box 30, Folder 5	Conneaut Viaduct (Ohio), undated
Box 30, Folder 6	Corning, New York bridges
Box 109, Folder 3	Covington-Cincinnati Bridge (Ohio River), 1964 - 1964
Box 91, Folder 1	Covington-Newport Bridge, 1958 - 1958
Box 91, Folder 5;	Crooked River Arch (Oregon Trunk Railway), 1911

Box 30, Folder 7	
Box 91, Folder 6	Cumberland River Bridge (Paducha, Kentucky and Burnside, Kentucky)
Box 30, Folder 8	Curwensville Quarry, Pennsylvania , undated
Map-folder 1	Davenport, Iowa Bridge, undated <i>1 Photograph</i>
Box 30, Folder 9	Delaware Aqueduct (Highfalls Bridge)
Box 29, Folder 12	Delaware River Bridge (Ben Franklin), undated
Box 102, Folder 2; Box 30, Folder 10	Delaware River Bridge, 1948 - 1950
Box 30, Folder 11	Delaware River Bridge, 1925 - 1926 Image(s)
Box 30, Folder 12	Delaware River Bridge, 1924 - 1926
Box 31, Folder 1	Delaware River Bridge, 1922 January-1923 August
Box 31, Folder 2	Delaware River Bridge, 1922 March-1923 August
Box 31, Folder 3	Delaware River Bridge, 1922 September -1923 June
Box 31, Folder 4	Delaware River Bridge, 1923 April-1923 July
Box 31, Folder 5	Delaware River Bridge, 1923 August-1923 November
Box 31, Folder 6	Delaware River Bridge, 1921 - 1923
Box 32, Folder 1	Delaware River Bridge, 1923 October-1924 September
Box 32, Folder 2	Delaware River Bridge, 1923 October-1925 March
Box 32, Folder 3	Delaware River Bridge, 1924 October-1925 September
Box 32, Folder 4	Delaware River Bridge, 1924 - 1925
Box 32, Folder 5	Delaware River Bridge, 1923 October-1926 April

Box 33, Folder 1	Delaware River Bridge, 1923 - 1926
Box 33, Folder 2	Delaware River Bridge, 1924 March-1926 June
Box 33, Folder 3	Delaware River Bridge, 1926 February-1926 June
Box 33, Folder 1-4	Delaware River Bridge (Ben Franklin), 1979
Box 33, Folder 5	Delaware River Bridge , 1923 - 1925
Box 35, Folder 1	Delaware River Bridge , 1924 - 1926
Box 35, Folder 2	Delaware River Bridge , 1921
Box 35, Folder 3	Delaware River Bridge , 1923 - 1926
Box 35, Folder 4	Delaware River Bridge , 1925 - 1936
Box 35, Folder 5	Delaware River Bridge , 1934 - 1936
Box 109, Folder 4; Box 91, Folder 8; Box 71, Folder 1	Delaware River Bridge (Ben Franklin), undated
Box 125, Folder 9	Delaware River Port Authority, 1955 - 1955
Box 36, Folder 1	Detroit River Bridge , 1929
Box 36, Folder 2	Detroit River Bridge, 1927 September-1928 August
Box 36, Folder 3	Detroit River Bridge, 1928 September-1929 May
Box 36, Folder 4	Detroit River Bridge, 1928 - 1929
Box 129, Folder 2	Development of Hartmann and Luder Lines, undated
Box 37, Folder 1	Dubuque, Iowa Bridge, 1939
Box 37, Folder 2	E Street Bridge (Washington, D.C.), 1954
Box 37, Folder 3	Eads Bridge (Missouri), undated
Box 37, Folder 4	East Sixth Street Bridge (Los Angeles, California), 1932

Box 125, Folder 1	Erbs Covered Bridge (Lancaster County, Pennsylvania), undated
Box 37, Folder 5-8	Evansville Bridge (Ohio River), 1931 - 1932
Box 105, Folder 5	Fire Island, New York, undated
Box 71, Folder 2	Foreign Bridges, undated
Box 38, Folder 1	Fort Steuben Bridge (Steubenville, Ohio), 1952
Box 105, Folder 6	Fort Steuben (Steubenville, Ohio), undated
Box 38, Folder 2	Franconia Notch Tramway (New Hampshire), 1945
Box 38, Folder 3	Frisco Rock Island Overpass, undated
Box 38, Folder 4	Gallipolis Point Pleasant (Ohio River), 1936
Box 125, Folder 2	Gateway Bridge (Clinton, Iowa)
Box 38, Folder 5-7	George Washington Bridge (New York City), 1930 - 1931
Box 38, Folder 8	Glen Echo Street Car Line (Washington, D.C.), 1943
Box 38, Folder 9	Golden Gate Bridge, 1938
Box 125, Folder 3	Greater New Orleans, undated
Box 71, Folder 3-4; Box 72, Folder 1	Gulfport Bridge (Port Arthur, Texas), undated
Box 72, Folder 2-3	Gulfport Bridge (Port Arthur, Texas), 1971 - 1971
Box 125, Folder 1	Hannibal Bridge (Kansas City, Missouri), undated
Box 73, Folder 1; Box 72, Folder 4	Harahan Bridge (Memphis, Tennessee), 1915 - 1916
Box 105, Folder 8	Hawk Falls, undated
Box 39, Folder 2	Hells Gate Bridge, 1914

Box 125, Folder 4; Box 105, Folder 7; Box 39, Folder 3	Henry Avenue Bridge (Philadelphia), 1927 - 1930
Box 39, Folder 4	Hill to Hill (Bethlehem, Pennsylvania)
Box 125, Folder 5; Box 39, Folder 5-7	Hudson River Bridge, 1929 - 1930
Box 125, Folder 6; Box 39, Folder 8	Huey P. Long Bridge (New Orleans), 1935 - 1937
Box 40, Folder 1-4	Huey P. Long Bridge (New Orleans), 1934 - 1935
Box 41, Folder 1-4	Huey P. Long Bridge (New Orleans), 1934 - 1935
Box 42, Folder 1-2	Huey P. Long Bridge (New Orleans), 1933 - 1934
Box 42, Folder 3	Indiana Harbor, 1908
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Series 5: Printed Materials, 1862 - 1969

This series consists primarily of printed and published material such as technical reports, brochures, pamphlets, building and electrical codes, reports, and specifications about bridge construction. Also included are Senate and House bills (1939) relating to bridges, and there is some typescript correspondence, especially related to committees and advisory boards that the Modjeski and Masters Company participated in. Many of the writings were published by the American Institute of Steel Construction, Cornell University, Columbia University, Harvard University, and other industry organizations. The series is loosely arranged alphabetically.

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Box 113, Folder 1-2	Quebec Bridge Report, Volume 1, 1918 - 1918
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Box 112, Folder 5	Reconnaissance: Soils and Geological Engineering Investigation for Proposed L.R. 1065 Extension (Philadelphia counties), 1968 - 1969
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Box 98, Folder 2	Suspension Bridges (World Engineering Congress), 1929 - 1929
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Box 85, Folder 4	Vibration and wind action studies, 1940 - 1953
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Box 85, Folder 6	T.P. Kuo, engineer, Suppression of Vibrations in Suspension Bridges , 1942 - 1943
Box 85, Folder 7	Tacoma-Narrows Bridge, new design , 1942 - 1943
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Box 84, Folder 5	University of Washington, Structural Research Laboratory reports, 1941 - 1949
Box 98, Folder 10	Ventilation of Vehicular Tunnels (U.S. Bureau of Mines), 1927 - 1927
Box 85, Folder 10	Vibrations and damping data, 1929
Box 106, Folder 3	Walt Whitman Bridge Report, 1951 - 1951
Box 98, Folder 9	Washington Memorial Bridge, dedication brochure, 1927 - 1927
Box 101, Folder 1	Welded Construction, 1929 - 1929, 1931 - 1931, 1948 - 1948, 1941 - 1941, 1937 - 1937, 1935 - 1935, 1956 - 1957
Box 85, Folder 11	Wind resistance articles, circa 1940s

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Series 6: Newspaper Clippings, 1924 - 1941

This series contains newsclippings about bridge work related to Modjeski and Masters. There is one folder of clippings exclusively about the Huey P. Long Bridge in New Orleans.

Box 109, Folder 6; Articles and clippings, 1941 - 1941

Box 99, Folder 1

Box 139, Folder 3 Huey P. Long Bridge (New Orleans), 1932 - 1933

Box 139, Folder 4 Clippings (general about various bridges), 1924 - 1940

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Series 7: Lantern Slides, undated

This series consists of lantern slides (3" x 4") depicting images of bridges as well as elevations, graphs, maps, plans, and aerial views of bridges. The series is arranged alphabetically by name of bridge.

Box 115	Arthur Kill Bridge
Box 115	Bear Mountain Bridge
Box 115	Bismarck Bridge Image(s)
Box 115	Brooklyn Bridge
Box 115	Carquinez Bridge
Box 115	Celilo Bridge
Box 115	Chesapeake and Delaware Bridge
Box 115	Cincinnati Bridge
Box 115	Clarks Ferry Bridge
Box 115	Clinton Bridge
Box 115	Crooked River Bridge
Box 115	Davenport-Moline Memorial Bridge
Box 116	Delaware River Bridge
Box 116	Eads Bridge at St. Louis
Box 116	Hudson River Bridge
Box 116	Illinois-Iowa Memorial Bridge
Box 116	Louisville Bridge
Box 117	Louisville SSC Bridge
Box 117	Manhattan Bridge

Box 117	Maysville Bridge
Box 117	McKinley Bridge
Box 117	Memphis Bridge
Box 117	Mid-Hudson Bridge
Box 118	Mississippi River Bridge Image(s)
Box 118	Omaha Bridge
Box 118	Palace of the Soviets
Box 118	Penrose Avenue Bridge
Box 119	Quebec Bridge
Box 119	Rock Island Bridge
Box 119	San Francisco Bay Bridge
Box 119	Scherzer Rolling Lift
Box 119	St. Louis Bridge, undated
Box 119	Tacony-Palmyra Bridge
Box 119-120	Thebes Bridge
Box 121	Vancouver-Portland Bridge
Box 121	Walt Whitman Bridge
Box 121	Washington (New York) Bridge
Box 121	Willamette Bridge
Box 122	Unidentified bridges
Box 122-124;	Foreign bridges

Box 123

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Series 8: Glass Plate Negatives, 1906-1926, undated (bulk 1906-1908)

This series consists of glass plate negatives (ranging in size from 3/14" x 4 1/4" to 11 x 14") depicting bridges from the United States and other countries. The majority of the plates depict views of the bridges under construction and are "work progress" images. The series is arranged into three subseries: Subseries 7.1: United States; Subseries 7.2: Foreign; and Subseries 7.3: Miscellaneous. Within each subseries the plates are arranged alphabetically by name of bridge.

Subseries 7.1: United States, 1906 - 1908, undated

- | | |
|------------------|---|
| Box 137, Item 41 | Chicago, Madison & Northern Railroad Bridge, view of drum on roller, undated |
| Box 130, Item 1 | #1, Columbia River Bridge, general view, undated
<i>1 glass negative (11" x 14")</i> |
| Box 130, Item 2 | #2, Columbia River Bridge, draw span, undated
<i>1 glass negative (11" x 14")</i> |
| Box 137, Item 42 | Eads Bridge, St. Louis, undated |
| Box 131, Item 1 | #1, Memphis Bridge, caisson 1, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 2 | #2, Memphis Bridge, caisson 2, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 3 | #3, Memphis Bridge, caisson 3, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 4 | #4, Memphis Bridge, caisson 4, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 5 | #5, Memphis Bridge, caisson 5, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 6 | #6, Memphis Bridge, diagram showing rate of progress in sinking caissons, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 7 | Memphis Bridge, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 8 | #1, Metropolis Bridge, general view, undated
<i>1 glass negative (8" x 10")</i> |
| Box 131, Item 9 | #2, Metropolis Bridge, general view, undated |

1 glass negative (8" x 10")

Box 131, Item 10 #1, Rock Island Bridge, general view, undated
1 glass negative (8" x 10")

Box 131, Item 11 #2, Rock Island Bridge, general view, undated
1 glass negative (8" x 10")

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1 glass negative (11" x 14")

Box 130, Item 4 #4, Willamette Bridge, looking downstream, undated
1 glass negative (11" x 14")

Box 130, Item 5 #5, Willamette Bridge, looking upstream, undated
1 glass negative (11" x 14")

Box 130, Item 6 #6, Willamette Bridge, draw span, undated
1 glass negative (11" x 14")

Box 137, Item 43 High Bridge, from the east, New York, undated
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Box 137, Item 44 Locust Street Bridge, Des Moines, Iowa, undated
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Box 137, Item 45 Louisville Bridge (S.S.C. Company), undated
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Box 137, Item 46 Main Bridge and Carnegie Library, Schenley Park, undated
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Box 137, Item 49 Mid-Hudson Bridge (panorama), undated
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Box 137, Item 50 New Orleans Bridge (proposed), 1927
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Box 137, Item 51 Quebec Bridge (panorama), undated

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1907
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- Box 137, Item 53 Quebec Bridge, erection opening for anchor arm
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- Box 137, Item 55 Speedway, High and Washington Bridges, New York, New York, undated
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- Box 137, Item 56 Rock Island Bridge, erection of draw span, undated
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- Box 137, Item 57 Rock Island Bridge, undated
1 glass negative
- Box 137, Item 58 Rock Island Bridge, erection of draw span, undated
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- Box 137, Item 59 Rock Island Bridge (broken), undated
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- Box 132, Item 4 Vancouver Bridge, Metlako, 1907 May 7
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- Box 132, Item 5-6 Vancouver Bridge, pumping out Pier XI, Oregon Slough, 1907 May 14
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- Box 132, Item 7-8 Vancouver Bridge, north abutment, 1907 May 29

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- Box 132, Item 9 Vancouver Bridge, looking south from north abutment, 1907 May 29
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- Box 132, Item 10 Vancouver Bridge, looking south from north abutment, water 119.3, 1907 June 13
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- Box 132, Item 11 Vancouver Bridge, Shaws Island, boat over Pier A, water 119.3 , 1907 June 13
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- Box 132, Item 14 Vancouver Bridge, looking south from north abutment, 1907 June 28
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Box 132, Item 24 Vancouver Bridge, erection of truss, 1907 July 31
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Box 132, Item 25 Vancouver Bridge, 9:00 a.m., 1907 August 10
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Box 132, Item 26 Vancouver Bridge, 8:45 a.m., 1907 August 13
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Box 132, Item 27 Vancouver Bridge, piers, 1907 August 13
1 glass negative

Box 132, Item 28 Vancouver Bridge, 8:20 a.m., 1907 August 14
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Box 134, Item 52 #52, Willamette Bridge, east abutment, 1906 November 4
1 glass negative

Box 134, Item 53 #53, Willamette Bridge, caisson number 1, 1906 November 5

1 glass negative

Box 134, Item 55 #55, Willamette Bridge, masonry pier 1, 1906 November 10
1 glass negative

Box 134, Item 55 #55, Willamette Bridge, masonry pier 5, 1906 November 10
1 glass negative

Box 134, Item 56 #56, Willamette Bridge, west view, 1906 November 10
1 glass negative

Box 134, Item 57 #57, Willamette Bridge, high water, 1906 November 19
1 glass negative

Box 134, Item 58 #58, Willamette Bridge, caisson number 1, 1906 November 18
1 glass negative

Box 134, Item 59 #59, Willamette Bridge, high water, 1906 November 18
1 glass negative

Box 134, Item 60 #60, Willamette Bridge, caisson number 2, 1906 November 24
1 glass negative

Box 134, Item 61 #61, Willamette Bridge, concrete caisson, 1906 November 24
1 glass negative

Box 134, Item 62 #62, Willamette Bridge, east view, 1906 November 24
1 glass negative

Box 134, Item 63 #63, Willamette Bridge, pier number 4, 1906 November 28
1 glass negative

Box 134, Item 64 #64, Willamette Bridge, east view, 1906 December 5
1 glass negative

Box 134, Item 65 #65, Willamette Bridge, east pier, 1906 December 5
1 glass negative

Box 134, Item 66 #66, Willamette Bridge, east view, 1906 November 18
1 glass negative

Box 134, Item 68 #68, Willamette Bridge, caisson number 1, 1906 December 18
1 glass negative

Box 134, Item 69 #69, Willamette Bridge, sand bagging pier 4, 1906 December 21

1 glass negative

Box 134, Item 70 #70, Willamette Bridge, caisson number 2, 1906 December 24
1 glass negative

Box 134, Item 71 #71, Willamette Bridge, sealing caisson number 5, 1906 December 29
1 glass negative

Box 134, Item 72 #72, Willamette Bridge, west abutment, 1907 January 5
1 glass negative

Box 134, Item 73 #73, Willamette Bridge, west pier, 1907 January 19
1 glass negative

Box 134, Item 74 #74, Willamette Bridge, tank and traveling derrick, 1907 January 19
1 glass negative

Box 134, Item 75 #75, Willamette Bridge, caisson number 3, 1907 January 25
1 glass negative

Box 134, Item 76 #76, Willamette Bridge, pier number 1, 1907 January 25
1 glass negative

Box 134, Item 77 #77, Willamette Bridge, west pier, 1907 January 25
1 glass negative

Box 134, Item 78 #78, Willamette Bridge, caisson number 3, 1907 February 5
1 glass negative

Box 134, Item 78 #78, Willamette Bridge, east pier, 1907 January 25
1 glass negative

Box 134, Item 79 #79, Willamette Bridge, high water, 1907 January 25
1 glass negative

Box 135, Item 1 #80, Willamette Bridge, drift wood at trestle and dock, 1907 February 6
1 glass negative

Box 137, Item 62 Proposed East Boston Bridge, 1926 - 1926

Box 135 #81-82, Willamette Bridge, view looking toward St. John's showing high water,
1907 February 6
1 glass negative

Box 135 #83, Willamette Bridge, caisson number 3, 1907 February 10

- 1 glass negative*
- Box 135 #84, Willamette Bridge, second side track, 1907 February 14
1 glass negative
- Box 135 #85, Willamette Bridge, caisson number 3, 1907 February 20
1 glass negative
- Box 135 #86, Willamette Bridge, east abutment, 1907 February 20
1 glass negative
- Box 135 #87, Willamette Bridge, laying course number 1, pier 4, 1907 February 20
1 glass negative
- Box 135 #88, Willamette Bridge, view of bridge site from top of cut , 1907 February 24
1 glass negative
- Box 135 #88A, Willamette Bridge, view from top of peninsula cut looking toward
Portland, 1907 February 24
1 glass negative
- Box 135 #89, Willamette Bridge, caisson number 3, 1907 February 1
1 glass negative
- Box 135 #90, Willamette Bridge, pier 5 and concrete caisson, 1907 February 1
1 glass negative
- Box 135 #91, Willamette Bridge, driving dolphins for pier 2, 1907 February 4
1 glass negative
- Box 135 #92, Willamette Bridge, caisson number 3 just before launching, 1907
February 9
1 glass negative
- Box 135 #93, Willamette Bridge, caisson number 3 just before launching, 1907
February 9
1 glass negative
- Box 135 #94, Willamette Bridge, launching of caisson number 3 , 1907 February 9
1 glass negative
- Box 135 #95, Willamette Bridge, just after launching of caisson number 3 , 1907
February 9
1 glass negative
- Box 135 #96, Willamette Bridge, view looking across the bridge line, 1907 April 5

- 1 glass negative*
- Box 135 #100-#102, Willamette Bridge, towing caisson number 3 to place, 1907 May 1
2 glass negatives
- Box 135 #103, Willamette Bridge, concrete caisson and west abutment, 1907 May 1
1 glass negative
- Box 135 #104, Willamette Bridge, driving dolphins for caisson number 3, 1907 April 29
1 glass negative
- Box 135 #105-#106, Willamette Bridge, caisson number 3, 1907 May 13
2 glass negatives
- Box 135 #107, Willamette Bridge, unloading coal, 1907 May 25
1 glass negative
- Box 135 #108-#109, Willamette Bridge, cofferdam west abutment before cut-off, 1907
May 25
2 glass negatives
- Box 135 #110, Willamette Bridge, bank washing under cement house, 1907 June 7
1 glass negative
- Box 135 #111, Willamette Bridge, view along west bank showing bank wash, 1907
June 7
1 glass negative
- Box 135 #112, Willamette Bridge, protection above pier 3, 1907 June 19
1 glass negative
- Box 135 #113, Willamette Bridge, east abutment, 1907 June 25
1 glass negative
- Box 135 #114, Willamette Bridge, dredging at the east pier, 1907
1 glass negative
- Box 135 #115, Willamette Bridge, west abutment, 1907 July 2
1 glass negative
- Box 135 #116, Willamette Bridge, cutting of piles at pier A, 1907 August 2
1 glass negative
- Box 135 #117, Willamette Bridge, view looking west, 1907 August 3
1 glass negative

- Box 135 #118, Willamette Bridge, pier B showing course 5, 1907 August 16
1 glass negative
- Box 135 #119, Willamette Bridge, pier A showing working chamber, 1907 August 17
1 glass negative
- Box 135 #120, Willamette Bridge, driving last bent on upstream end of draw protection, 1907 August 23
1 glass negative
- Box 135 #121, Willamette Bridge, lowering caisson at pier A, 1907 September 6
1 glass negative
- Box 135 #122, Willamette Bridge, view along bride line looking east, 1907 October 2
1 glass negative
- Box 135 #123, Willamette Bridge, interior cofferdam at pier A, 1907 October 5
1 glass negative
- Box 135 #125, Willamette Bridge, west abutment, 1907 October 14
1 glass negative
- Box 135 #126, Willamette Bridge, first two bents span B-5, 1907 October 22
1 glass negative
- Box 135 #127, Willamette Bridge, false work span B-5, 1907 October 31
1 glass negative
- Box 135 #128, Willamette Bridge, span b-5 and traveler, 1907 November 2
1 glass negative
- Box 135 #129-#132, Willamette Bridge, Kelly-Atkinson Construction Company erecting traveler, 1907 November 8
4 glass negatives
- Box 135 #133, Willamette Bridge, span B-5, 1907 November 29
1 glass negative
- Box 135 #134, Willamette Bridge, span B-5 from west abutment, 1907 November 27
1 glass negative
- Box 135 #135, Willamette Bridge, span B-5, 1907 December 7
1 glass negative
- Box 135 #136, Willamette Bridge, view along draw protection, 1907 December 7

- 1 glass negative*
- Box 135 #137, Willamette Bridge, view showing draw protection, 1907 December 14
1 glass negative
- Box 135 #138-#139, Willamette Bridge, span B-5 and 5-4, 1907 December 14
2 glass negatives
- Box 135 #140, Willamette Bridge, span B-5 and 5-4, 1907 December 21
1 glass negative
- Box 135 #141, Willamette Bridge, span B-5 and approach span, 1907 December 28
1 glass negative
- Box 135 #142, Willamette Bridge, span 5-4, 1907 December 28
1 glass negative
- Box 135 #143, Willamette Bridge, pier B, 1908 January 3
1 glass negative
- Box 135 #144, Willamette Bridge, tow boat telegram, 1908 January 3
1 glass negative
- Box 135 #146, Willamette Bridge, west end span 5, approach span also showing bank protection, 1908 January 4
1 glass negative
- Box 135 #147, Willamette Bridge, span 4 and 5, 1908 January 4
1 glass negative
- Box 135 #148, Willamette Bridge, view from east abutment showing pier A, number 1, 3 and 4, 1908 January 14
1 glass negative
- Box 135 #149-#150, Willamette Bridge, span number 4 and 5, 1908 January 14
2 glass negatives
- Box 135 #151, Willamette Bridge, piers 1, 2 and A, 1908 January 18
1 glass negative
- Box 135 #152, Willamette Bridge, pier 5 and span 5, 1908 January 25
1 glass negative
- Box 135 #153, Willamette Bridge, view looking up stream, 1908 January 25
1 glass negative

- Box 135 #154, Willamette Bridge, City of St. John, Oregon, just below Willamette Bridge, 1908 January 25
1 glass negative
- Box 135 #157, Willamette Bridge, spans 1 and 2, 1908 February 10
1 glass negative
- Box 135 #158, Willamette Bridge, spans 1 and 2, 1908 February 22
1 glass negative
- Box 135 #159, Willamette Bridge, pier A, 7 west abutment, 1908 February 22
1 glass negative
- Box 135 #160, Willamette Bridge, span 2-1, 1908 March 2
1 glass negative
- Box 135 #161, Willamette Bridge, derrick at pier 2, 1908 March 2
1 glass negative
- Box 135 #162, Willamette Bridge, laying belting, draw pier, 1908 March 2
1 glass negative
- Box 135 #163, Willamette Bridge, laying belting at draw pier, 1908 March 2
1 glass negative
- Box 135 #164, Willamette Bridge, thru spans 4 and 5, 1908 March 7
1 glass negative
- Box 136 #165, Willamette Bridge, masonry pier 3, 1908 March 7
1 glass negative
- Box 136 #166, Willamette Bridge, setting east approach spans, 1908 March 31
1 glass negative
- Box 136 #167, Willamette Bridge, setting east approach spans, 1908 March 31
1 glass negative
- Box 136 #168, Willamette Bridge, pony bents on upstream end draw protection, 1908 April 15
1 glass negative
- Box 136 #169, Willamette Bridge, material derrick downstream end draw protection, 1908 April 15
1 glass negative
- Box 136 #170, Willamette Bridge, looking southwest, 1908 April 20

- 1 glass negative*
- Box 136 #171, Willamette Bridge, view along bridge line from peninsula, 1908 April 20
1 glass negative
- Box 136 #172, Willamette Bridge, material derrick downstream end draw protection, 105 foot boom on derrick barge, 1908 April 20
1 glass negative
- Box 136 #173, Willamette Bridge, view along peninsula cut, 1908 April 20
1 glass negative
- Box 136 #174, Willamette Bridge, view along bridge line from top of peninsula cut looking west, 1908 April 20
1 glass negative
- Box 136 #175, Willamette Bridge, looking east thru peninsula cut, 1908 April 20
1 glass negative
- Box 136 #176-#179, Willamette Bridge, erecting traveler at draw, 1908 April 29
4 glass negatives
- Box 136 #180, Willamette Bridge, loading beams of bridge draw span, 1908 May 20
1 glass negative
- Box 136 #181, Willamette Bridge, steel erection at draw span, 1908 May 5
1 glass negative
- Box 136 #182-#183, Willamette Bridge, setting center casting, 1908 May 6
2 glass negatives
- Box 136 #184, Willamette Bridge, traveler at draw span, 1908 May 6
1 glass negative
- Box 136 #185, Willamette Bridge, raising loading beams on barges, 1908 May 6
1 glass negative
- Box 136 #186, Willamette Bridge, raising second loading beams on barges, 1908 June 5
1 glass negative
- Box 136 #187, Willamette Bridge, transferring loading beams from barges to place, 1908 June 6
1 glass negative
- Box 136 #188, Willamette Bridge, first loading beam in place, 1908 June 6

- 1 glass negative*
- Box 136 #189, Willamette Bridge, pile driver barge, 1908 June 8
1 glass negative
- Box 136 #190, Willamette Bridge, erection of draw span, 1908 June 13
1 glass negative
- Box 136 #191, Willamette Bridge, erection of draw span, 1908 July 1
- Box 136 #192, Willamette Bridge, erection of draw span (plate missing), 1908 July 6
1 glass negative
- Box 136 #193, Willamette Bridge, erection of draw span, 1908 July 14
1 glass negative
- Box 136 #194-#195, Willamette Bridge, dropping the traveler, 1908 July 21
2 glass negatives
- Box 136 #198, Willamette Bridge, view of draw span, 1908 July 25
1 glass negative
- Box 136 #199-#200, Willamette Bridge, turning the draw for the first time, 1908 July 25
2 glass negatives
- Box 136 A, Willamette Bridge, plant used on the bridge, traveler used in stone yard, circa 1907-1908
1 glass negative
- Box 136 B, Willamette Bridge, launch Telegram, 1907 June
1 glass negative
- Box 136 C, Willamette Bridge, Mt. Hood in the distance, 1907 February 10
1 glass negative
- Box 136 D, Willamette Bridge, 1907 February 10
1 glass negative
- Box 136 E, Willamette Bridge, Claremont Tavern, 1908 January 24
1 glass negative
- Box 136 F, Willamette Bridge, protected cruiser Charleston, 1907 June 19
1 glass negative
- Box 136 G, Willamette Bridge, showing interior of office, 1907 February 6

- Box 136 H, Willamette Bridge, plant used on the bridge, derrick car property of the Kelly-Atkinson Construction Company, circa 1907-1908
1 glass negative
- Box 136 I, Willamette Bridge, plant used on the bridge, derrick at east pier and abutment, circa 1907-1908
1 glass negative
- Box 136 J, Willamette Bridge, stone setting barge with concrete mixer, circa 1907-1908
1 glass negative
- Box 136 K, Willamette Bridge, derrick car, circa 1907-1908
1 glass negative
- Box 136 L, Willamette Bridge, details of caissons A and B, circa 1907-1908
1 glass negative
- Box 136 M, Willamette Bridge, details of caissons III, circa 1907-1908
1 glass negative
- Box 136 N-O, Willamette Bridge, river view, circa 1907-1908
2 glass negatives
- Box 136 Vancouver Bridge, pier construction , undated
3 glass negatives
- Box 136 Vancouver Bridge, Washington channel crossing, general elevation and plan, undated
1 glass negative
- Box 136 [Vancouver Bridge?], undated
1 glass negative
- Box 136 Vancouver Bridge, war ship, undated
1 glass negative
- Box 136 Vancouver Bridge, erection of draw span, undated
1 glass negative
- Box 136 Vancouver Bridge, Hendy hydraulic elevator, undated
1 glass negative
- Box 136 Vancouver Bridge, diagram showing rate of progress in sinking caisson, undated
1 glass negative

- Box 136 Vancouver Bridge, caissons, undated
1 glass negative
- Box 136 Vancouver Bridge, view of pier construction, undated
1 glass negative
- Box 136 Vancouver Bridge, pier sketch, undated
1 glass negative
- Box 136 Vancouver Bridge, general view of bridge, undated
1 glass negative
- Box 136 Vancouver Bridge, view of Oregon slough crossing, undated
1 glass negative
- Box 136 Vancouver Bridge, river view, undated
1 glass negative

Subseries 7.2: Foreign, undated

- Box 137, Item 1 #1, Le Pont Mayou, Le Theatre et Le Port, Bayonne, undated
1 glass negative
- Box 137, Item 2 #2, Germany, Potsdam New Bridge, undated
1 glass negative
- Box 137, Item 3 #3, Berlin Castle Bridge, undated
1 glass negative
- Box 137, Item 4 #4, Le Pont de Kehl Strasbourg, undated
1 glass negative
- Box 137, Item 5 #5, Hamburg, undated
1 glass negative
- Box 137, Item 6 #6, Krensnach, Germany, undated
1 glass negative
- Box 137, Item 7 #7, Le Ponte Vecchio, Florence, Italy, undated
1 glass negative
- Box 137, Item 8 #8, Firenze, Arcate del Ponte Vecchio, undated
1 glass negative
- Box 137, Item 9 #9, Firenze, Anglo del Ponte Vecchio, undated

- 1 glass negative*
- Box 137, Item 10 #10, Venice, Rialto Bridge, undated
1 glass negative
- Box 137, Item 11 #11, Le Pont at les Gorges de Loup, undated
1 glass negative
- Box 137, Item 12 #12, Le Pont Tourant, Port Militaire de Brest, undated
1 glass negative
- Box 137, Item 13 #13, Les Viaducs de Loulla, France, undated
1 glass negative
- Box 137, Item 14 #14, Paris, Pont St. Louis, undated
1 glass negative
- Box 137, Item 15 #15, Panorama de Paris en Amont du Pont Royal, undated
1 glass negative
- Box 137, Item 16 #16, Passerelle du Metro, Pont de Passy, undated
1 glass negative
- Box 137, Item 17 #17, Paris, Aqueduct of Artist, undated
1 glass negative
- Box 137, Item 18 #18, Parc des Buttes Chaumont, undated
1 glass negative
- Box 137, Item 19 #19, Turning Bridge, France-Brest, undated
1 glass negative
- Box 137, Item 20 #20, Bridge at Bordeaux, France, undated
1 glass negative
- Box 137, Item 21 #21, Paris, Pont Alexandre III, undated
1 glass negative
- Box 137, Item 22 #22, Paris, view of seven bridges taken from St. Gervais, undated
1 glass negative
- Box 137, Item 23 #23, Paris, La Place de la Concorde, undated
1 glass negative
- Box 137, Item 24 #24, Runcorn Bridge near Liverpool, erected 1868, undated

- 1 glass negative*
- Box 137, Item 25 #25, Thames embankment and obelisk, London, undated
1 glass negative
- Box 137, Item 26 #26, Tower Bridge, London, England, undated
1 glass negative
- Box 137, Item 27 #27, London, Cleopatra's Needle and Thames embankment, undated
1 glass negative
- Box 137, Item 28 #28, London Bridge, London, England, undated
1 glass negative
- Box 137, Item 29 #29, The Japan Bridge, Darien (built by Japanese), undated
1 glass negative
- Box 137, Item 30 #30, Street scene in Copenhgaen, Denmark, undated
1 glass negative
- Box 137, Item 31 #31, Hoogesluis Bridge, Holland, undated
1 glass negative
- Box 137, Item 32 #32, Magere Crug, Amstel, Amsterdam, Holland, undated
1 glass negative
- Box 137, Item 33 #33, Rotterdam, Holland, undated
1 glass negative
- Box 137, Item 34 #34, Bismarck Bridge, undated
1 glass negative
- Box 137, Item 35 #35, Le Viaduc d'Austerlitz, undated
1 glass negative
- Box 137, Item 36 #36, Vue d'ensemble des Helicoidales, undated
1 glass negative
- Box 137, Item 37 337, [Deutz?] Von Coeln Gesehen, undated
1 glass negative
- Box 137, Item 38 #38, [Coblentz und die Eisenbahnz Bruecke?], undated
1 glass negative
- Box 137, Item 39 #39, [Frankfurt?], undated

1 glass negative

Box 137, Item 40 #40, Mainz und die Strassenbruecke, undated
1 glass negative

Subseries 7.3: Miscellaneous, 1926 - 1926, undated

Box 137, Item 63-66 Ralph Modjeski, papers on "Bridges" (1926) and "50 years of
Progress" (undated) for the American Society of Civil Engineering , 1926 -
1926
1 glass negative

Box 137, Item 67-70 Unidentified glass plate negatives, undated

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Series 9: Film Negatives, 1924 - 1924, undated

This series consists of film negatives depicting images of bridges and construction of bridges. The series is arranged alphabetically by bridge name.

Box 138, Item 1-8	#1-8, Bismarck Bridge, general view, undated <i>8 Negatives (3 1/2" x 5 3/4")</i>
Box 138, Item 9-14	#1-#6, Boston Bridge, undated <i>6 Negatives (3 1/2" x 5 3/4")</i>
Box 138, Item 15-43	#1-#28, Louisville and Jeffersonville Bridge, undated <i>28 Negatives (3 1/2" x 5 3/4")</i>
Box 138	#1-#105, Maysville, Kentucky Bridge, 1930 - 1931
Box 138, Item 44-77	#1-#34, New York, New Haven and Hartford Railroad Valuation, New York Terminal, 1924 <i>34 Negatives (3 1/2" x 5 3/4")</i>
Box 138, Item 78-99	#1-#22, Omaha Bridge, undated <i>22 Negatives (2 1/2" x 3 1/4")</i>
Box 138, Item 100	Quebec Bridge, undated <i>1 Negative (4 3/4" x 6 3/4")</i>
Box 138, Item 101	Rainbow Bridge, undated <i>1 Negative (3 3/4" x 4 3/4")</i>
Box 138, Item 102	Willamette River Bridge, Pier A, undated <i>1 Negative (2 1/2" x 3 1/2")</i>

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Series 10: Drawings, 1901 - 1952

This series consists of approximately 978 blueprints, ink on linen drawings, and pencil tracings for select bridge projects completed by Modjeski and later, Modjeski and Masters. The materials document, but are not limited to, general plans and elevations, plot plans, construction schedules and progress charts, the layout of piers, test pile data, approaches, and lift span trusses. The drawings are arranged alphabetically by name of bridge.

Map-folder 5	Burlington Bristol Bridge Company, 1931 <i>50 Drawings</i>
Map-folder 6	Cairo Bridge (Cairo, Illinois), 1936 <i>67 Drawings</i>
Map-folder 7	Charenton Canal Bridge (Baldwin, Louisiana), 1939 <i>59 Drawings</i>
Map-folder 8	Clarks Ferry, 1924 - 1925 <i>20 Drawings</i>
Map-folder 1	Crooked River Bridge, 1919 - 1919 <i>1 Drawing (pencil)</i>
Map-folder 4	D.C. Study of Independence Avenue Extension West, 14th Street, 1941 October
Map-folder 10	Evansville Bridge (Ohio River), 1928 - 1931 <i>26 Drawings</i>
Map-folder 11	Henry Avenue Bridge, 1927 - 1931 <i>21 Drawings</i>
Map-folder 12	Louisville Municipal Bridge, 1926 - 1946 <i>102 Drawings</i>
Map-folder 13	Market Street Bridge (Harrisburg, Pennsylvania), 1925 - 1935 <i>46 Drawings</i>
Map-folder 14	Maysville, Kentucky, 1930 - 1931 <i>28 Drawings</i>
Box 109, Folder 1	Memphis Bridge, general plans (George S. Morison, chief engineer), undated
Map-folder 3	Mississippi River Bridge (New Orleans), undated
Map-folder 9	Mississippi River Bridge, Davenport Bridge Commission, 1934 - 1961 <i>173 Drawings</i>

Map-folder 16	Modjeski, early drawings, 1901 - 1907
Map-folder 3	Ohio River Highway Bridge, 1928 - 1928 <i>1 Drawing (pencil)</i>
Box 109, Folder 2	Penrose Avenue Bridge, general plans, 1-4 and bridge drawings, 1-61, 1947 - 1947
Map-folder 17	Port-Huron International Highway Bridge, 1929 - 1952 <i>109 Drawings</i>
Map-folder 18	Poughkeepsie Railroad Bridge, circa 1905-1950s <i>36 Drawings</i>
Box 109, Folder 2	Pulaski-Pennsauken Interchange, undated
Map-folder 19	Rock Island, Illinois <i>68 Drawings</i>
Map-folder 20	Sesqui-Centennial Auditorium, Philadelphia, 1926 - 1926 <i>9 Drawings</i>
Map-folder 1	Suspension Bridge Model Committee, damping test models and drawings, 1943-07-01 - 1943-07-01 <i>5 Drawings</i>
Map-folder 21	Tacony-Palmyra Bridge over the Delaware River (includes final drawings), 1927 - 1930 <i>104 Drawings</i>
Map-folder 22	Tanana River Bridge (near Nenana, Alaska), 1920 - 1920 <i>39 Drawings</i>
	Tennessee River Bridge (Paducah, Kentucky), 1929 - 1931 <i>15 Drawings</i>
Map-folder 15	Miscellaneous Projects, Istanbul, East Boston and Memphis bridges

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