



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the George S. Morison Collection

NMAH.AC.0978

Alison Oswald

2014



Archives Center, National Museum of American History
P.O. Box 37012
Suite 1100, MRC 601
Washington, D.C. 20013-7012
Business Number: Phone: 202-633-3270
Fax Number: Fax: 202-786-2453
archivescenter@si.edu
<https://americanhistory.si.edu/archives>

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	George S. Morison Collection
Date:	1846-1903
Identifier:	NMAH.AC.0978
Creator:	Morison, George S., 1842-1903 (Creator)
Extent:	30 Cubic feet (63 boxes and 152 map-folders)
Language:	Collection is in English. Some materials in French and Spanish.
Summary:	The collection documents the career of George S. Morison, a prominent civil engineer, specializing in railroad bridge design. The materials consist primarily of drawings and maps (linen tracings, blueprints, sketches); final bridge reports; photographs; glass plate negatives; daily diaries; correspondence; and published material documenting George S. Morison's participation on the Isthmian Canal Commission, 1898-1903.

Administrative Information

Acquisition Information

The collection was donated by Robert S. Morison, Elting Morison, and John H. Morison on June 17, 1985.

Provenance

The collection was transferred to the Archives Center from the Division of Work and Industry in 2006.

Separated Materials

Artifacts related to this collection are in the Division of Work & Industry (See accessions #1984.1093 and #1993.0113) and includes camera equipment, drafting curves, and an omnimeter transit with tripod.

Related Materials

Materials in the Archives Center, National Museum of American History

George W. Sims Papers, 1896-1981. (AC0127)

Underwood & Underwood Glass Stereograph Collection, 1895-1921 (AC0143)

Silas H. Woodard Papers, ca. 1899-1932 (AC1038)

[Make the Dirt Fly!](#)

Materials in Other Organizations

Minnesota Historical Society

Engineering Dept. records. Northern Pacific Railway Company records, 1867-1970.

Subject files (1867-1970); accounting records (1879-1921); standard plans for buildings, bridges, and other structures ([188-]-[196-]); track profile maps (1890-1927); and bridge records (1892-1960) created

or compiled by the Northern Pacific administrative unit responsible for locating, surveying, constructing, and maintaining roadways and structures. Contains letter press books for George S. Morison.

Library of Congress, Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscapes Survey

Includes photographs and drawings for some of Morison's bridges.

Processing Information

Processed by Alison Oswald, archivist, 2014.

Preferred Citation

George Morison Collection, Archives Center, National Museum of American History

Restrictions

Collection is open for research but is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

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.

Accruals

Additional materials documenting George S. Morison were donated by Christina M. Leonard, Elting E. Morison, and John H. Morison on June 22, 1993.

Biographical / Historical

Morison (1842-1903) of Peterborough, New Hampshire, was a prominent civil engineer specializing in railroad bridge design. He built ten bridges over the Missouri River, five over the Mississippi River and one over the Ohio River. Morison designed bridges in New York, and worked on the New York waterfront. He also helped to locate a deep water harbor in southern California and designed and built several viaducts.

Morison served on numerous engineering boards and acted as a consulting expert for Baring Brothers Company. Morison was a member of several important engineering committees, the most important of which was the Isthmus Canal (Panama Canal) Commission, 1899-1903. He was instrumental in changing its recommended location from Nicaragua to Panama.

Arrangement

The collection is arranged into seven series.

Series 1: Diaries, 1863-1903

Subseries 1.1: Biographical Materials, 1863-1903

Subseries 1.2: Diaries, 1863-1903

Subseries 1.3: Newspaper Clippings, 1880-1898

Series 2: Correspondence, 1870-1903

Series 3: Reports/Printed Materials, 1846-1903

Series 4: Photographs, 1888, 1892-1893

Series 5: Glass Plate Negatives, 1886-1889

Subseries 5.1: Bellefontaine Bridge, undated

Subseries 5.2: Blair Crossing, 1893

Subseries 5.3: Cairo Bridge, 1888-1889

Subseries 5.4: Kansas City Bridge, 1886

Subseries 5.5: Memphis Bridge, circa 1893

Subseries 5.6: Memphis Bridge, 1891-1893

Subseries 5.7: Nebraska City Bridge, 1887-1888

Subseries 5.8: Omaha Bridge, undated

Subseries 5.9: Panama Canal, undated

Subseries 5.10: Rulo Bridge, 1886-1889

Subseries 5.11: Sioux City, circa 1881

Series 6: Lantern Slides, 1878-1894

Subseries 6.1: Isthmian Canal, undated

Subseries 6.2: General, 1878-1894

Series 7: Drawings, circa 1881-1900

Physical Characteristics and Technical Requirements

Gloves must be worn when handling unprotected photographs and negatives.

Names and Subject Terms

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

Subjects:

Bridges -- Design and construction
Railroad bridges

Types of Materials:

Blueprints
Tracings

Names:

Baring Brothers Company
Isthmian Canal Commission.

Places:

Panama
Peterborough (NH)

Container Listing

Series 1: Biographical Materials, 1863-1903

Scope and Contents: This series includes personal diaries; loose correspondence, newspaper clippings; memorial service for George Shattuck Morison (1903); unidentified print (undated); and a copy of the *Polytechnic*, Vol. XI (1894) from the Rensselaer Polytechnic Institute containing a lecture Morison delivered.

The bulk of this series consists of personal pocket diaries that Morison maintained. The personal diaries, 1863-1903, document his daily activities, some of which are business-related. Some diaries have associated loose materials which include correspondence, business cards (primarily for business associates), sketches, notes, newspaper clippings, ophthalmology prescriptions, and a subpoena. Loose materials were separated and filed with the appropriate diary. The diaries are approximately 3" x 6" and are arranged chronologically.

Subseries 1.1: Biographical materials, 1863-1903

Box 31, Folder 1

Subseries 1.2: Diaries, 1863 - 1903

Box 1, Folder 1 Diary, 1863

Box 1, Folder 1 Diary, 1864

Box 1, Folder 3 Diary, 1865

Box 1, Folder 4 Diary, 1867

Box 1, Folder 3 Diary, 1868

Box 1, Folder 4 Diary, 1869

Box 1, Folder 5 Diary, 1870

Box 1, Folder 5 Diary, 1871

Box 1, Folder 6 Diary, 1872

Box 1, Folder 6 Diary, 1873

Box 2, Folder 1 Diary, 1874

Box 2, Folder 2 Diary, 1875

Box 2, Folder 3 Diary, 1876

Box 2, Folder 4	Diary, 1877
Box 2, Folder 5	Diary, 1878
Box 3, Folder 1	Diary, 1879
Box 3, Folder 2	Diary, 1880
Box 3, Folder 3	Diary, 1881
Box 3, Folder 4	Diary, 1882
Box 3, Folder 5	Diary, 1883
Box 4, Folder 1	Diary, 1884
Box 4, Folder 2	Diary, 1885
Box 4, Folder 3	Diary, 1886
Box 4, Folder 4	Diary, 1887
Box 4, Folder 5	Diary, 1888
Box 4, Folder 6	Diary, 1889
Box 5, Folder 1	Diary, 1890
Box 5, Folder 2	Diary, 1891
Box 5, Folder 3	Diary, 1892
Box 5, Folder 4	Diary, 1893
Box 5, Folder 5	Diary, 1894
Box 5, Folder 6	Diary, 1895
Box 6, Folder 1	Diary, 1896
Box 6, Folder 2	Diary, 1897
Box 6, Folder 3	Diary, 1898
Box 6, Folder 4	Diary, 1899
Box 6, Folder 5	Diary, 1900

Box 7, Folder 1	Diary, 1901
Box 7, Folder 2	Diary, 1902
Box 7, Folder 3	Diary, 1903
Box 7, Folder 4	Empty diary, leather cover, undated
<hr/>	
Box 23, Folder 4	Membership cards - complimentary M.C
Box 23, Folder 9	Railroad passes

Subseries 1.3: Newspaper Clippings, 1880-1898

Map-folder 165

Box 31, Folder 2

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Series 2: Correspondence, 1870 - 1903

Box 8, Item 1	Copybook (office correspondence), 1870 October 24-1871 August 2 1 Volume
Box 23, Folder 1	Letters to T. Baring and George S. Morison, 1889
Box 8A, Folder 1	Letterpress Book, 1902 January 3-1903 July 28 1 Volume
Box 8A, Folder 2	Letterpress Book, 1903 January 3-1903 June 15
Box 8, Item 2	Letterpress book, 1903 June 18-1903 September 7, 1902 1 Volume
Box 8, Item 3	Journal of accounts with miscellaneous parties, 1887 June 11-1891 September 1 Volume
Box 23, Folder 6	Record of business trip to the midwest, undated

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Series 3: Reports/Printed Materials, 1846-1903

Scope and Contents: This series consists of printed and published materials that relate to the Isthmian Canal Commission (ICC). The ICC was an American administration commission set up to oversee the construction of the Panama Canal in 1904. There are also many Senate and House related documents published by the United States Government Printing Office.

Many of the dossier's (bound reports) contain foldout maps and drawings, specifically profiles, elevations, plans and sectional views for the Panama Canal. Included is a typescript letter (Box 15, folder 14) from Morison to President Theodore Roosevelt of December 10, 1901, about the Isthmian Canal Commission and Morison's involvement.

Box 9, Folder 1	Compagnie Nouvelle du Canal de Panama [New Company of the Panama Canal] Report, 1899
Box 9, Folder 2	Compagnie Nouvelle du Canal de Panama [New Company of the Panama Canal], [1899?]
Box 9, Folder 3	Dossier C, part I, overall drawings and general items
Box 9, Folder 3	Dossier C, part II, elevations, plans and preliminary measurements
Box 10, Folder 4	Dossier C, part III, profiles
Box 10, Folder 4	Dossier C, part IV, preliminary measurements
Box 11, Folder 1	Dossier C, part V, Locks at Bohio
Box 11, Folder 1	Dossier C, part VI, retaining dam and spillway
Box 11, Folder 1	Dossier C, part VII, spillway dam and temporary dam
Box 11, Folder 1	Dossier C, part VIII, Obispo locks
Box 11, Folder 1	Dossier C, part IX, Obispo spillway locks
Box 11, Folder 1	Dossier C, part X, Lock at Paraiso
Box 11, Folder 1	Dossier C, part XI, Dams at Paraiso
Box 11, Folder 1	Dossier C, part XII, Pedro Miguel Locks
Box 11, Folder 1	Dossier C, part XIII, Pedro Miguel Dams
Box 11, Folder 1	Dossier C, part XIV, Miraflores Lock
Box 11, Folder 1	Dossier C, part XV, Spillway dams Miraflores

Box 11, Folder 2	Dossier C, part XVI, Alhajuela Dam
Box 11, Folder 2	Dossier C, part XVII, Spillway
Box 11, Folder 3	Dossier C, part XVIII, Spillways and widening on Chagres
Box 12, Folder 1	Dossier C, part XIX, Overall design
Box 12, Folder 1	Dossier C, part XX, Earthworks and masonry walls
Box 12, Folder 1	Dossier C, part XXI, Earthen dikes and levees
Box 12, Folder 1	Dossier C, part XXII, Masonry dikes and levees
Box 12, Folder 1	Dossier C, part XXIII, Various structures
Box 12, Folder 2	Dossier C, part XXIV, Railroad from Gamboa to Alhajuela
Box 12, Folder 2	Dossier C, part XXV, Excavation profile and preliminary estimates
Box 12, Folder 2	Dossier C, part XXVI, Structures on the railroad
Box 12, Folder 3	Dossier C, part XXVII, Port at Colon
Box 13, Folder 1	Dossier D, part I, Overall designs and general items
Box 13, Folder 2	Dossier D, part II, Completion of canal profiles and cuts
Box 13, Folder 3	Dossier D, part III, Earthworks and retaining walls
Box 13, Folder 3	Dossier D, part IV, Locks at Bohio
Box 13, Folder 3	Dossier D, part V, retaining dam at Bohio
Box 13, Folder 3	Dossier D, part VI, Spillway dam, right side of canal
Box 13, Folder 3	Dossier D, part VII, Spillway dam
Box 13, Folder 3	Dossier D, part VIII, Temporary dam at Bohio
Box 14, Folder 1	Dossier D, part IX, Pedro Miguel locks, plans and sections
Box 14, Folder 1	Dossier D, part X, Pedro Miguel dams and elevations
Box 14, Folder 1	Dossier D, part XI, Miraflores lock, plans, sections and profiles
Box 14, Folder 1	Dossier D, part XII, Miraflores dam

Box 14, Folder 1	Dossier D, part XIII, River wharf pilings and feeder conduits
Box 14, Folder 2	Dossier D, part XIV, Alhajuela, storage dam with water level
Box 14, Folder 2	Dossier D, part XV, Alhajuela spillway dam
Box 14, Folder 3	Dossier D, part XVI, Port of Colon, overall plan and profiles
Box 14, Folder 4	Compagnie Nouvelle du Canal de Panama [New Company of the Panama Canal] organization documents, 1899-1903
Box 15, Folder 1	A Report on a Balanced Locomotive, George S. Morison, reprinted from Railroad Gazette, 1895
Box 15, Folder 2	A Short History of the Engineering Works of the Suez Canal, Charles Hartley, 1900
Box 15, Folder 3	Address at the Annual Convention at the Hotel Pemberton - July 19th - George S. Morison - ASCE Transactions, 1895
Box 15, Folder 4	Address on the Trans Isthmian Canals by Philippe Bunau Varilla - to New York State Chamber of Commerce American Engineering as Illustrated by the ASCE at the Paris Exposition of 1878 - ASCE Transactions - 106 pp. - 5 3/4" x 9 1/4"
Box 15, Folder 5	American Engineering as Illustrated by the ASCE at the Paris Exposition of 1878, ASCE Transactions, 1878
Box 15, Folder 6	American Isthmus Ship Canal Company - Statement by Brig. Gen. Edward W. Serrell - Before Senate Subcommittee on Interoceanic Canals
Box 15, Folder 7	Canal Connecting the Atlantic and Pacific Oceans, House of Representatives Report No. 15, 1901
Box 15, Folder 8	Climatology of the Isthmus of Panama - General Henry L. Abbot, reprinted from Monthly Weather Review, Missing?, March 1903
Box 15, Folder 9	Coefficients of Friction of Lubricated Journals, R.H. Thurston, reprint from Journal of Franklin Institute Missing?, 1878 November
Box 15, Folder 10	Bohio Dam - typescript copies of comments by Morison and Bunau Varilla on Construction, 1902
Box 15, Folder 11	Bridge Construction, George S. Morison, 1893
Box 15, Folder 12	Bridges Regarded as Commercial Tools, George S. Morison, 1890
Box 15, Folder 13	Bulletin of the American Geographical Society, contains article The Panama Canal by George S. Morison, 1903 February

Box 15, Folder 14-15	Collection of typescript reports of the Proceedings of the Isthmian Canal Commission,
Box 16, Folder 1	Compagnie Nouvelle du Canal de Panama, Notes Techniques, 1899
Box 16, Folder 2	Compagnie Nouvelle du Canal de Panama, Projet D'un Canal A Ecluses, 1899
Box 16, Folder 3	Compagnie Nouvelle Du Canal de Panama, Projet D'un Canal A Ecluses, 1899
Box 16, Folder 4	Compagnie Nouvelle du Canal de Panama, Rapport du Conseil D'Administration, Rapport des Commissaires, 1901
Box 16, Folder 5	Consolidation of Ship Canal Banks, W.H. Hunter, VIIth International Congress on Navigation, Brussels, 1898
Box 16, Folder 6	Effects of Splicing and Riveting, George. S. Morison, Western Society of Engineers, 1901
Box 16, Folder 7	El Ingeniero Civil Y La Universidad, George S. Morison, Mexico, 1897
Box 16, Folder 8	Expansion Bearings for Bridge, Superstructures, George S. Morison, ASME Transactions, 1893
Box 16, Folder 9	Fiftieth Annual Report of the Board of Directors of the Panama Railroad Company, 1899
Box 16, Folder 10	Fifty First Annual Report of the Board of Directors of the Panama Railroad Company, 1900
Box 16, Folder 11	Forty eighth Annual Report of the Board of Directors of the Panama Canal Railroad Company, 1898
Box 16, Folder 12; Box 24, Folder 7	Forty ninth Annual Report of the Board of Directors of the Panama Railroad Company, 1898
Box 16, Folder 13	Gulf Ports Marine Journal - New Orleans Maritime and Merchant's Exchange, 1902 January 11
Box 16, Folder 14	Hearings Before United States Senate in Relation to a Proposed Isthmian Canal, 1902
Box 16, Folder 15	Hearings Before the Senate Committee in Interoceanic Canals, Senate Document 253, Part 2, 1902
Box 17, Folder 1	Hearings Before the Senate Committee on Interoceanic Canals, Senate Document 253, Part 3, 1902

Box 17, Folder 2	Hearing on New Panama Canal Company Before House Committee on Interstate and Foreign Commerce, Government Printing Office, 1899
Box 17, Folder 3	Interoceanic Canal, Additional Report by Mr. Morgan, Senate Report 1337, Part 5, Government Printing Office, 1901
Box 17, Folder 4	Interoceanic Canals, Report by Mr. Morgan, Senate Report No. 1663, Government Printing Office, 1902
Box 17, Folder 5	Interoceanic Canals, Additional Views of the Minority, Senate Report 783, Part 2, 1902
Box 17, Folder 6	Isthmian Canal, Statement by J.S. Bryan to the United States Senate Subcommittee on Interoceanic Canals, Government Printing Office, 1902
Box 17, Folder 7	Isthmian Canal, Statement by Colonel Oswald H. Ernst to United States Senate, Subcommittee on Interoceanic Canals, 1902
Box 17, Folder 8	Isthmian Canal, Statement by Colonel Peter C. Hains to the United States Senate, Subcommittee on Interoceanic Canals, 1902
Box 17, Folder 9	Isthmian Canal, Statement by A.G. Menocal to the United States Senate Committee on Interoceanic Canals, 1902
Box 17, Folder 10	Isthmian Canal, Statement by George S. Morison to the United States Senate Subcommittee on Interoceanic Canals, 1902
Box 17, Folder 11	Statement of Alfred Noble, 1902
Box 17, Folder 12	Statement of Charles P. Treat, 1902
Box 25, Folder 1	Central American and neighboring countries, showing active and extinct volcanoes (map), 1901
Box 17, Folder 13	Journal of the Association of Engineering Societies, 1893 December
Box 17, Folder 14	Kansas City and Memphis Railway and Bridge Company, Argument for Amendment of Charter, George S. Morison, 1890
Box 17, Folder 15	La Nueva Epoca Y La Universidad, George S. Morison
Box 17, Folder 16	Lake Bohio, The Summit Level of the Panama Canal, George S. Morison, reprint from The Engineering Magazine, 1903 January
Box 17, Folder 17	Le Canal de Panama dans ses rapports avec Le Darien, 1890
Box 25, Folder 2	Map of Venezuela, undated

Box 25, Folder 3	Le Canal De Suez, No. 1061, June 12
Box 25, Folder 3	Le Genie Civil, April
Box 18, Folder 1	Andrews' Report, accompanied report of Israel D. Andrews to Thos. Corwin, Secretary of Treasury (includes maps), 1853
Box 18, Folder 2	Manuscript Notebook with Calculations Regarding Bohio Dam, 1900
Box 18, Folder 3	Masonry, George S. Morison, reprint from the Western Society of Engineers
Box 18, Folder 4	Message from the President of the United States Regarding the New Panama Canal Company of France, Senate Document Number 188, Government Printing Office, 1900
Box 18, Folder 5	Nicaragua Canal, Message From the President of the United States, House of Representatives, Document No. 279, 1895 - 1896
Box 18, Folder 6	Nicaragua or Panama, Philippe Bunau Varilla, 1901
Box 18, Folder 7	Panama Canal, general map
Box 18, Folder 8	Panama Collieries, Climateric Station, Waterworks and Land, 1902
Box 18, Folder 9	Panama Proofs, reproductions of construction scenes from July Scribners Magazine, July
Box 18, Folder 10	Physiography and Geology of Region adjacent to the Nicaragua Canal Route, C. Willard Hayes, from Bulletin of the Geographical Society of America, 1899
Box 18, Folder 11	North American Review, editor George Harvey, 1902 May
Box 19, Folder 1	Panama Canal Title, Opinion of the Attorney General, 1902
Box 19, Folder 2	Paper on Bridges Read Before St. Louis Commercial Club, George S. Morison, 1889
Box 19, Folder 3	Paris Exposition of 1878, ASCE, 1878
Box 19, Folder 4	Report of the Nicaragua Canal Commission - Maps and Profiles, 1897 - 1899
Box 19, Folder 5	Port Talbot Railways and Docks, Albert H. Case, 1898 September 19
Box 19, Folder 6	Preliminary Report of the Isthmian Canal Commission, Senate Document Number 5, 1900

Box 19, Folder 7	Problem of Inter Oceanic Communication by way of the American Isthmus, A. Anthony De Gogorza, reprint from the American Geographical Society's Bulletin, December
Box 19, Folder 8	Consideration of the Public Utility and the practical value, 1893, 1894
Box 19, Folder 9	Rapport de la Commission de Verification des Comptes, 1899
Box 19, Folder 10	Remarks of Hon John T. Morgan in the Senate of the United States, 1901
Box 19, Folder 11	Report of Committee on Interoceanic Canals, [1899?]
Box 19, Folder 12	Report of the Isthmian Canal Commission, Senate Doc. Number 54, 1901
Box 19, Folder 13	Report of the Isthmian Canal Commission, Message from the President of the United States, Senate Document Number 123
Box 20, Folder 1	Report of the Isthmian Canal Commission, Senate Doc. Number 54 , part 2, 1902
Box 20, Folder 2	San Francisco and the Nicaragua Canal, W.L. Merry
Box 20, Folder 3	Short Notice Descriptive of the Exhibit of the New Panama Canal Company, Pan American Exposition
Box 20, Folder 4	Supplement to Commerical Directory of the American Republics, 1899
Box 20, Folder 5	Suspension Bridges A Study, George S. Morison, ASCE Transactions
Box 20, Folder 6	Tehuantepec Ship Railway, Senate Report Number 123, 1883
Box 20, Folder 7	The American Isthmus and the Interoceanic Canal. W. Henry Hunter, reprint from The Engineering Magazine
Box 20, Folder 8	The Bohio Dam, George S. Morison, ASCE Transactions, 1902
Box 20, Folder 9	The Civil Engineering and the University, George S. Morison, address at Rennselaer Polytech Institute commencement, 1897
Box 20, Folder 10	The Continuous Superstructure of the Memphis Bridge, George S. Morison, ASCE Transactions, Volume 29, 1893 September
Box 20, Folder 11	The Continuous Superstructure of the Memphis Bridge Discussion, ASCE Transactions, Volume 30, 1893 December
Box 20, Folder 12	The Engineering Magazine: The Advantages of Lake Bohio at the Higher Level, George S. Morison, 1903 June

Box 20, Folder 13	The Geological History of the Isthmus of Panama and Portions of Costa Rica, Robert T. Hill, Harvard College
Box 20, Folder 14	The Isthmian Canal, An Address by George S. Morison, Commercial Club of Chicago, 1902
Box 20, Folder 15	The Isthmian Canal, A Lecture By George S. Morison, Contemporary Club, Bridgeport, Connecticut, 1902 May
Box 20, Folder 16	The Isthmian Canal address by George S. Morison, 1902
Box 20, Folder 17	The Isthmian Canal in its Economic Aspects - Emory R. Johnson, American Academy of Political and Social Science, 1902
Box 20, Folder 18	The Isthmian Canal Question as Affected by Treaties and Concessions, Samuel Pasco - reprint from the American Academy of Political and Social Science, 1902
Box 21, Folder 1	The Marent Gulch Viaduct, George S. Morison, ASCE Transactions, 1891 September
Box 21, Folder 2	The Missouri River, George S. Morison, reprint from School of Mines Quaterly, 1895
Box 21, Folder 3	The New Epoch and the University, George S. Morison, 1896
Box 21, Folder 4	The New Panama Canal, Brigadier General H.L. Abbot, reprinted from The Forum, 1898, November
Box 21, Folder 5	The New Panama Canal Company, Report to the New Panama Canal Company by the International commission of Engineers, 1898
Box 21, Folder 6	The Nicaragua Canal, C.P. Huntington, Galveston, Texas, 1900
Box 21, Folder 7	The Panama Canal, George S. Morison, ASCE Transactions, 1903
Box 21, Folder 8	The Panama Canal, George S. Morison, reprint from the American Geographical Society
Box 21, Folder 9	The Panama Canal as Involving the Regulation of the Chagres River, General Henry L. Abbot, reprint from The Engineering Magazine, 1902 December
Box 21, Folder 10	The Panama Canal: The Dual Versus the Single Lake Project, General H.L. Abbot with reply by George S. Morison, The Engineering Magazine , 1903 June
Box 21, Folder 10	The Preliminary Report of the Isthmian Canal Commission, by Aldace F. Walker, reprinted form The Forum , April, 16 pp., 6 1/2" x 9"
Box 21, Folder 10	The Railway Era, June, 112 pp., 6 3/4" x 10"

Box 21, Folder 10	The Responsibilities of the Educated Engineer, An Address by George S. Morison, 29 pp. - 6" x 9"
Box 21, Folder 11	Preliminary Report of the Isthmian Canal, from the Forum, 1901 April
Box 21, Folder 12	The Railway Era, 1899 June
Box 21, Folder 13	The Responsibilities of the Educated Engineer, an Address by Geo. S. Morison, 1901
Box 21, Folder 14	The River Piers of the Memphis Bridge, George S. Morison, The Institution of Civil Engineering, London, 1893
Box 21, Folder 15	The "Series Vapor" and "Heat Waste" Engines As Supplementary to Single Vapor Engines, R.H. Thurston, reprint from Journal of the Franklin Institute, 1902 October-December
Box 21, Folder 16	The So Called Quarantine at San Francisco, George S. Morison, 1889
Box 21, Folder 17	The Steam Turbine: The Steam Engine of Maximum Simplicity and of Highest Thermal Efficiency, Robert H. Thurston, ASME Transactions, Vol. XXII T
Box 21, Folder 18	The Terms and Tenor of the Clayton Bulwer Treaty, Lindley M. Keasbey from the American Academy of Political and Social Science, 1899
Box 21, Folder 19	The Use of Mild Steel Discussion on Paper Number 643, ASCE Transactions, 1893 December
Box 21, Folder 20	Thirty Years' War or the Fight made by the Navy and its Friends for the Nicaragua Canal, J.W. Miller, 1900
Box 21, Folder 21	Where to Build the Isthmian Canal? Jacob W. Miller, 1902
Box 21, Folder 22	Why Not Own the Panama Isthmus? Frederic C. Penfield, undated
Map-folder 160	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30
Map-folder 161	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30
Map-folder 162	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30
Map-folder 163	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30

Map-folder 164	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30
Map-folder 165	Great Lakes to Atlantic Tide Waters, accompanied Report on Special Water Supply Investigation by U.S. Board of Engineers on Deep Waterways, 1900 June 30
Box 22, Folder 2	"Calculation of Stresses St. Louis Bridge"
Box 22, Folder 3	Department of Docks, Reports of Board of Consulting Engineers, 1895 - 1897
Box 22, Folder 4	Lists of masonry structures, undated
Box 23, Folder 5	Paper, Concrete Bridge over Tauber at Markelsheim
Box 23, Folder 6	Address to college students, undated
Box 22, Folder 7	Address, Village Improvement Society of Princeton, undated
Box 22, Folder 8	Address at memorial service Peterborough, 1903 July 12
Box 22, Folder 9	Report to Kountee Brothers, Sabine Pass, 1898 June 25
Box 22, Folder 10	The Kansas City Bridge, O. Chanute and George S. Morison, 1870
Box 22, Folder 11	Report by George Morison to T. Baring about Atchison and Toprks and Santa Fe Railroad, Part I, 1889 September 17
Box 22, Folder 12	Report by George Morison to T. Baring about Atchison and Toprks and Santa Fe Railroad, Part II, 1898 September 17
Box 23, Folder 2	Continuous trusses analysis
Box 23, Folder 3	Analysis of stresses in beams
Box 23, Folder 5	Dispatch of Her Majesty to J. Merrill Flume House - NH - spoof
Box 23, Folder 7	"A Memoir" - George S. Morison
Box 25, Folder 4	Memphis Bridge Report, 1894
Box 25, Folder 5-6; Box 23, Folder 8	The Cairo Bridge Report, 1892 2 Copies (derivative objects)
Box 26	Alton Bridge (bound volume) 1 Volume
Box 28	Bridge Reports, 1882

1 Volume (Bound; 14.5" x 21.5")

Notes: Reports for bridges: Plattsmouth (1882), Bismarck (1884), Blair Crossing (1886), New Omaha (1889), Rulo (1891), Sioux City (1891), Nebraska City (1892), Cairo (1892), Memphis (1894), and Bellefontaine (1894)

Box 29	Bridge Reports, 1882 - 1892 1 Volume Notes: Reports for bridges: Plattsmouth (1882), Bismarck (1884), Blair Crossing (1886), The New Omaha (1889), Rulo (1890), Sioux City (1891), Cairo (1892), and Nebraska City (1892).
Box 30	Super Structure Plans, undated
Box 23, Folder 10	Panama Canal, notes submitted by Technical Committee
Box 23, Folder 11	Report of Technical Committee, 1899
Box 23, Folder 12	Geological study of Isthmus of Panama
Box 23, Folder 13	General Abbot technical notes, miscellaneous
Box 23, Folder 14	Miscellaneous, maps graphs, indexed .01 .06
Box 23, Folder 15	Article "Political Relations of USA and Republic of Columbia" in English
Box 24, Folder 1	Treaty between United States and Republic of New Granada (Columbia), 1846 December 12
Box 24, Folder 2	Act of Congress, canal options studied, 1899 March 3
Box 24, Folder 3	New Panama Canal Charter, English translation, 1894 October 20
Box 24, Folder 4	New Panama Canal Company report (final report), 1898 December 26
Box 24, Folder 5	New Panama Canal Company by the International Commission of Engineers, 1898 November 16
Box 24, Folder 6	Inter-Oceanic Canal by W. Henry Hunter, 1899 - 1899
Box 24, Folder 7	Annual Report of the Board of Directors of the Panama Railroad Company, 1898 - 1898
Box 24, Folder 8	Panama, Le Passe, Le Present, L'Avenir by P. Bunau Varilla, 1892
Box 24, Folder 9	Panama, Le Trafic by P. Bunau-Varilla, 1892
Box 24, Folder 9	Panama, Plans Annexes, 1892

Box 24, Folder 10	Canal Interoceanico, 1896
Box 24, Folder 11	Chapter XII, Conclusions (investigations of commission), undated
Box 24, Folder 12	Plan d'ensemble du Canal
Box 24, Folder 13	International Convention for securing the free navigation of the Suez Canal, 1888
Box 24, Folder 14	Assemblee Generale Des Actionares, 1900
Box 24, Folder 16	Report of the Board of Directors to the Stockholders of the Pittsburgh Reduction Company, 1894 September 20
Box 62, Folder 1	Bellefontaine Bridge Report, Bellefontaine Bluffs, Missouri, 1884
Box 62, Folder 2	Bismarck Bridge Report, 1883
Box 62, Folder 3	Blair Crossing Bridge Report, 1886
Box 62, Folder 4	Cairo Bridge Report, 1892
Box 63, Folder 1	Memphis Bridge Report, 1894
Box 63, Folder 2	Nebraska City Bridge Report, 1892
Box 63, Folder 3	New Orleans Bridge Report, 1889
Box 63, Folder 4	Plattsmouth Bridge Report, 1880
Box 63, Folder 5	Rulo Bridge Report, 1890
Box 63, Folder 6	Sioux City Bridge, Sioux City, Iowa, 1889-1891 Notes: Includes elevation, plan, profile, alignment, a copy print and report relating to the bridge.

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Series 4: Photographs, 1880-1901 (bulk 1891-1892)

Scope and Contents: The photographs document Morison's work on United States bridges and on the Panama Canal in the late nineteenth-century.

The cyanotypes of the Leavenworth Bridge document construction progress and were taken at certain time intervals.

Photographers and studios represented include Bailey and Neelands, Vancouver; J.L. Brose, Chicago; J.A. Laird, Leavenworth Photographs; McIntosh Battery and Optical Company, Chicago; and J.C. Somerville, St. Louis.

Map-folder 156	Marent Gulch Viaduct, 3/4 view from below deck level
Map-folder 156	Marent Gulch Viaduct, end view at deck level
Map-folder 156	Memphis Bridge, General View, D.M. 2, D. Molitor, 1892 January 27
Map-folder 156	Memphis Bridge Brick Piers W. Approach D.M. 3, 1891 January 27
Map-folder 156	Memphis Bridge Traveler, D.M. 5, 1891 March 31
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 6, 1891 April 3
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 7, 1891 April 4
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 8, 1891 April 6
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 9, 1891 April 7
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 10, 1891 April 8
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 11 -, 1891 April 9
Map-folder 156	Memphis Bridge Pier II, D.M. 13, 1891 April 10
Map-folder 156	Memphis Bridge Erecting Anchorage Span, D.M. 14, 1891 April 11
Map-folder 156	Memphis Bridge Pier II, D.M. 15, 1891 April 20
Map-folder 156	Memphis Bridge Erecting Cantilever Arm, D.M. 37, 1891 June 22
Map-folder 156	Memphis Bridge Erecting Cantilever Arm, D.M. 38, 1891 January 31
Map-folder 156	Memphis Bridge Falsework Near Pier III, D.M. 39, 1891 August 8
Map-folder 156	Memphis Bridge Falsework Piers II III, D.M. 40, 1891 August 12

Map-folder 156	Memphis Bridge Erection East Cantilever Arm, D.M. 67, 1891 October 28
Map-folder 156	Memphis Bridge Erection East Cantilever, D.M. 69, 1891 October 31
Map-folder 156	Memphis Bridge General View, D.M. 77, 1891 November 29
Map-folder 156	Memphis Bridge General View, D.M. 86, 1891 December 17
Map-folder 156	Memphis Bridge General View, D.M. 89, January 8
Map-folder 156	Memphis Bridge General View, D.M. 90, 1892 January 15
Map-folder 156	Memphis Bridge General View, D.M. 91, 1892 January 16
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 97, 1892 February 10
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 98, 1892 February 11
Map-folder 156	Memphis Bridge General View, D.M. 99, 1892 February 12
Map-folder 156	Memphis Bridge W. Approach Viaduct, D.M. 100, 1892 February 12
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 101, 1892 February 20
Map-folder 156	Memphis Bridge Erecting E. Intermediate Span, D.M. 109, 1892 March 3
Map-folder 156	Memphis Bridge Erection Intermediate Span , D.M. 110, March 4, 1892
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 114, 1892 March 11
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 115, 1892 March 12
Map-folder 156	Memphis Bridge erection E. Intermediate Span, D.M. 116, 1892 March 14
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 117, 1892 March 24
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 118, 1892 March 25
Map-folder 156	Memphis Bridge General View, D.M. 119, 1892 March 26
Map-folder 156	Memphis Bridge General View, D.M. 120 and 120 A, 1892 March 28
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 121, 1892 March 30
Map-folder 156	Memphis Bridge Erecting Intermediate Span, D.M. 122, 1892 March 21
Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 123, 1892 April 2

Map-folder 156	Memphis Bridge Erection E. Intermediate Span, D.M. 125, 1892 April 6
Map-folder 156	Memphis Bridge, General View, D.M. 133, 1892 May 1
Map-folder 156	Memphis Bridge, 1892 May 1
Map-folder 156	Memphis Bridge Completed structure, undated
Map-folder 156	Memphis Bridge Cantilever Arm, undated
Map-folder 156	Plattsmouth Bridge, Missouri River, 1880
Map-folder 156	Portrait of Isthmian Canal Commission Members, George S. Morison in front row at left, undated
Map-folder 156	Sidewheel steamboat "James Howard", undated
Map-folder 156	Sioux City Bridge, undated
Map-folder 156	[Sioux City Bridge, Sioux City, Iowa, south and west portal to bridge: black-and-white photoprint.], circa 1889 1 Item (Silver albumen on paper.; 56 cm x 71 cm.) Image(s): Sioux City Bridge, south and west portal of bridge Collector: Morison, George S., 1842-1903 Language: English. Notes: AC0978-0000003.tif (AC Scan No.) Photographer unidentified. Topic: Bridges -- Iowa Bridges -- 19th century Place: Sioux City (Iowa) Iowa Genre/Form: Photographs -- 1890-1900 -- Black-and-white photoprints -- Silver albumen
Box 27	Bismarck Photographs 1 Volume
Map-folder 158	Unidentified bridge
Box 22, Folder 1	Cyanotypes, Leavenworth construction work 35 Photographs (8" x 10")
Map-folder 158; Map-folder 156	Cairo Bridge 5 Photographs (7" x 10" and 4" x 5")
Map-folder 158	Memphis Bridge, view from train by Captain Willard, [1888?]
Map-folder 158	Collotype, Nebraska City Bridge

	1 Photograph (15" x 19")
Map-folder 158	Chicago Swing Bridge, undated 1 Photograph (13" x 17")
Map-folder 158	Collotype, Memphis Bridge 1 Photograph (10" x 19")
Map-folder 158	Chicago building facade drawings 1 Photograph (13" x 17")
Map-folder 158	Wood envgraving, Bismarck Bridge 1 Photograph (11" x 16")
Map-folder 158	Cairo Bridge
Map-folder 158	Sioux City elevated Railway 1 Photograph (8" x 10")
Map-folder 158	Rulo Bridge
Map-folder 158	Copy of seven bridge photos in single photo
Map-folder 158	Landscape 1 Photograph (4" x 10")
Map-folder 158	Riveting outfit 1 Photograph (6" x 8")
Map-folder 158	Collotype, Chicago World's Fair panorama 1 Photograph (7" x 22")
Box 24, Folder 15; Map-folder 158	Cyanotypes of Leavenworth bridge, 1893
Map-folder 158	Collotype, Bellefontaine Bridge 1 Photograph (11" x 16")
Box 24, Folder 17; Map-folder 158; Map-folder 156	Cairo Bridge 8 Photographs (3/4" x 5"; 7 1/4" x 9 1/2"; and 7" x 10"; 5" x 4")
Map-folder 158	Sioux City Bridge, south and west portal of bridge, circa 1889 1 Photograph (17" x 15 1/2")
Map-folder 156	Sioux City Bridge, east portal of the bridge, circa 1889

	1 Photograph (17" x 15 1/2")
Map-folder 158	Nebraska City Bridge 1 Photograph (19 1/4" x 16 1/2")
Box 31, Folder 3	[Darien survey, Columbia?], undated
Box 24, Folder 18	Nebraska City Bridge (film negatives)
Map-folder 158	Unidentified, undated
Map-folder 167	Miscellaneous and unidentified, undated

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Series 5: Glass Plate Negatives, 1886-1889

Scope and Contents: This series consist of glass plate negatives documenting primarily bridges. The series is arranged alphabetically by name of bridge. Many of the glass plates have captions noting the name of the bridge, date and remarks. There is one silver gelatin negative on acetate depicting the Sioux City, Iowa, Corn Palace (1890).

Subseries 5.1: Bellefontaine Bridge, undated

1 Glass negative (11" x 14")

Box 52, Item 8	Map of Bellefontaine Bridge and vicinity, undated
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Subseries 5.2: Blair Crossing

16 Glass negatives (11" x 14")

Scope and Contents: Built 1883. Located over the Missouri River at Bismarck, Burleigh County, North Dakota.

Box 52, Item 9	Blair Crossing, 1893 January 11
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Box 52, Item 10	Blair Crossing, 1893 July 8
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Box 52, Item 11	Blair Crossing, falsework, 1893 October 16
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Box 53, Item 1	Blair Crossing, falsework, 1893 October 19
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Box 53, Item 2	Blair Crossing, falsework, 1893 October 20
----------------	--

Box 53, Item 3	Blair Crossing, falsework, 1893 October 20
----------------	--

Box 53, Item 4	Blair Crossing, bridge with train locomotives, 1893 October 27
----------------	--

Box 53, Item 5-6	Blair Crossing, bridge, 1893 October 27
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Box 53, Item 7-8	Blair Crossing, bridge with train locomotives, undated
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Box 53, Item 9	Blair Crossing, general view, pier II completed, pers I and III uncompleted, undated
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Box 53, Item 10	Blair Crossing, general view, piers I, II and III completed, pier IV uncompleted, undated
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Box 53, Item 11	Blair Crossing, completed with falsework, undated
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Box 53, Item 12	Blair Crossing, elevation of bridge with train locomotive, undated
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Box 53, Item 13	[Blair Crossing?], undated
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Box 53, Item 14 [Blair Crossing?], undated

Subseries 5.3: Cairo Bridge, 1888-1889

24 Glass negatives (5.5" x 8")

Scope and Built 1889. Located over the Ohio River at Alexander County, Illinois and Ballard County, Kentucky.
Contents:

Box 34, Item 1 Cairo Bridge, 1888 August 14

Box 34, Item 1A Cairo Bridge, 1888 September 30

Box 34, Item 1B Cairo Bridge, 1888 October 1

Box 34, Item 2 Cairo Bridge, 1888 October 2

Box 34, Item 3 Cairo Bridge, 1888 October 3

Box 34, Item 4 Cairo Bridge, 1888 October 4

Box 34, Item 5 Cairo Bridge, 1888 October 5

Box 34, Item 6 Cairo Bridge, 1888 October 6

Box 34, Item 7 Cairo Bridge, 1888 October 31

Box 34, Item 8 Cairo Bridge, 1888 November 2

Box 34, Item 9 Cairo Bridge, 1888 November 8

Box 34, Item 10 Cairo Bridge, 1889 January 5

Box 34, Item 11 Cairo Bridge, 1889 March 18

Box 34, Item 12 Cairo Bridge, 1889 March 19

Box 34, Item 13 Cairo Bridge, 1889 March 20

Box 34, Item 14 Cairo Bridge, 1889 March 21

Box 34, Item 15 Cairo Bridge, 1889 May 6

Box 34, Item 16 Cairo Bridge, 1889 May 7

Box 34, Item 17 Cairo Bridge, 1889 May 8

Box 34, Item 18 Cairo Bridge, 1889 June 3

Box 34, Item 19 Cairo Bridge, 1889 June 4

Box 34, Item 20 Cairo Bridge, 1889 June 5

Box 34, Item 21 Cairo Bridge, 1889 June 28

Box 34, Item 22 Cairo Bridge, undated

Box 34, Item 23 Cairo Bridge, undated

Box 34, Item 24 Cairo Bridge, undated

Subseries 5.4: Kansas City Bridge, 1886

3 Glass negatives (5.5" x 8")

Box 34, Item 25 Kansas City Bridge, taken at 6:40 P.M., 1886 May 12

Box 34, Item 26 Kansas City Bridge, taken at 6:45 P.M., 1886 May 12

Box 34, Item 27 Kansas City Bridge, taken at 6:40 P.M., view of wreck, 1886 May 12

Subseries 5.5: Memphis Bridge

11 Glass negatives (17" x 20")

Biographical / Built 1893 over the Mississippi River.

Historical:

Box 54, Item 1 Memphis Bridge, anchorage from upstream side, undated

Box 54, Item 2 Memphis Bridge, anchorage from downstream side, undated

Box 54, Item 3 Memphis Bridge, anchorage span and memphis portal, undated

Box 54, Item 4 Memphis Bridge, Memphis Portal, undated

Box 54, Item 5 Memphis Bridge, general elevation from railroad tracks, undated

Box 55, Item 1-2 Memphis Bridge, channel spans from railroad tracks, Memphis, undated

Box 55, Item 3-5 Memphis Bridge, channel spans from Arkansas bank, upstream side, undated

Subseries 5.6: Memphis Bridge*143 Glass negatives (11" x 14")*

Box 41A, Item 1	Memphis City Bridge, falsework, pier 1, #1, 1891
Box 41A, Item 2	Memphis City Bridge, general view, #2, 1891 January 27
Box 41A, Item 3	Memphis City Bridge, bruck piers, west approach#3, 1891 January 27
Box 41A, Item 4	Memphis City Bridge, north casting, pier 1, #4, 1891 April 8
Box 41A, Item 5	Memphis City Bridge, traveler, #5, 1891 March 31
Box 41A, Item 6	Memphis City Bridge, anchorage span, #6, 1891 April 3
Box 41A, Item 7	Memphis City Bridge, erecting anchorage span, #7, 1891 April 4
Box 41A, Item 8	Memphis City Bridge, erecting anchorage span, #8, 1891 April 8
Box 41A, Item 9	Memphis City Bridge, erecting anchorage span, #9, 1891 April 7
Box 41A, Item 10	Memphis City Bridge, erecting anchorage span, #10, 1891 April 8
Box 41A, Item 11	Memphis City Bridge, erecting anchorage span, #11, 1891 April 9
Box 41A, Item 12	Memphis City Bridge, erecting anchorage span, #12, 1891 April 10
Box 42, Item 1	Memphis City Bridge, pier 2, #13, 1891 April 10
Box 42, Item 2	Memphis City Bridge, anchorage span, #14, 1891 April 11
Box 42, Item 3	Memphis City Bridge, anchorage span, #16, 1891 April 24
Box 42, Item 4	Memphis City Bridge, anchorage span, #17, 1891 April 25
Box 42, Item 5	Memphis City Bridge, anchorage span, #18, 279-1891 April 28
Box 42, Item 6	Memphis City Bridge, general view, #19, 1891 April 27
Box 42, Item 7	Memphis City Bridge, anchorage span, #20, 1891 April 28
Box 42, Item 8	Memphis City Bridge, anchorage span, #21, 1891 April 29
Box 42, Item 9	Memphis City Bridge, anchorage span, #22, 1891 April 29
Box 42, Item 10	Memphis City Bridge, anchorage span, #23, 1891 May 1

Box 42, Item 11	Memphis City Bridge, anchorage span, #24, 1891 May 1
Box 43, Item 1	Memphis City Bridge, anchorage span, #26, 1891 May 5
Box 43, Item 2	Memphis City Bridge, anchorage span, #27, 1891 May 6
Box 43, Item 3	Memphis City Bridge, cantilever arm, #28, 1891 June 3
Box 43, Item 4	Memphis City Bridge, cantilever arm, #29, 1891 June 4
Box 43, Item 5	Memphis City Bridge, cantilever arm, #30, 1891 June 5
Box 43, Item 6	Memphis City Bridge, cantilever arm, #31, 1891 June 6
Box 43, Item 7	Memphis City Bridge, cantilever arm, #32, 1891 June 10
Box 43, Item 8	Memphis City Bridge, cantilever arm, #33, 1891 June 10
Box 43, Item 9	Memphis City Bridge, cantilever arm, #34, 1891 June 10
Box 43, Item 10	Memphis City Bridge, cantilever arm, #35, 1891 June 19
Box 43, Item 11	Memphis City Bridge, cantilever arm, #36, 1891 June 20
Box 43, Item 12	Memphis City Bridge, cantilever arm, #37, 1891 June 22
Box 44, Item 1	Memphis City Bridge, cantilever arm, #38, 1891 July 31
Box 44, Item 2	Memphis City Bridge, falsework near pier 3, #39, 1891 August 8
Box 44, Item 3	Memphis City Bridge, falsework near piers 2- 3,#40, 1891 August 21
Box 44, Item 4	Memphis City Bridge, falsework central span, #41, 1891 August 15
Box 44, Item 5	Memphis City Bridge, falsework piers 2-3, #42, 1891 August 18
Box 44, Item 6	Memphis City Bridge, falsework, #43, 1891 August 24
Box 44, Item 7	Memphis City Bridge, falsework piers 2-3, #44, 1891 August 26
Box 44, Item 8	Memphis City Bridge, falsework piers 2-3, #45, 1891 August 29
Box 44, Item 9	Memphis City Bridge, anchorage and cantilever arms, #46, 1891 September 2
Box 44, Item 10	Memphis City Bridge, general view, #47, 1891 September 11
Box 44, Item 11	Memphis City Bridge, central span, #48, 1891 September 22

Box 44, Item 12	Memphis City Bridge, central span, #49, 1891 September 25
Box 45, Item 1	Memphis City Bridge, central span, #50, 1891 September 26
Box 45, Item 2	Memphis City Bridge, central span, #51, 1891 September 27
Box 45, Item 3	Memphis City Bridge, central span, #52, 1891 September 28
Box 45, Item 4	Memphis City Bridge, central span, #53, 1891 September 29
Box 45, Item 5	Memphis City Bridge, central span, #54, 1891 September 30
Box 45, Item 6	Memphis City Bridge, central span, #55, 1891 October 1
Box 45, Item 7	Memphis City Bridge, central span, #56, 1891 October 2
Box 45, Item 8	Memphis City Bridge, central span, #57, 1891 October 3
Box 45, Item 9	Memphis City Bridge, central span, #58, 1891 October 5
Box 45, Item 10	Memphis City Bridge, central span, #59, 1891 October 6
Box 45, Item 11	Memphis City Bridge, central span, #60, 1891 October 7
Box 45, Item 12	Memphis City Bridge, central span, #61, 1891 October 8
Box 46, Item 1	Memphis City Bridge, central span, #62, 1891 October 9
Box 46, Item 2	Memphis City Bridge, central span, #63, 1891 October 2-1891 October 16
Box 46, Item 3	Memphis City Bridge, central span, #64, 1891 October 11
Box 46, Item 4	Memphis City Bridge, temporary incline, West Memphis, #65, 1891 October 14
Box 46, Item 5	Memphis City Bridge, temporary transfer landing, east side, #66, 1891 October 16
Box 46, Item 6	Memphis Bridge, east cantilever arm, #67, 1891 October 28
Box 46, Item 7	Memphis Bridge, east cantilever arm, #68, 1891 October 29
Box 46, Item 8	Memphis Bridge, east cantilever arm, #69, 1891 October 31
Box 46, Item 9	Memphis Bridge, central span width, #70, 1891 November 28
Box 46, Item 10	Memphis Bridge, #74, undated
Box 46, Item 11	Memphis Bridge, general view, #77, 1891 November 29

Box 46, Item 12	Memphis Bridge, general view, #78, 1891 December 7
Box 47, Item 1	Memphis Bridge, erection of west intermediate span, #79, 1891 December 10
Box 47, Item 2	Memphis Bridge, erection of west intermediate span, #80, 1891 December 11
Box 47, Item 3	Memphis Bridge, erection of west intermediate span, #81, 1891 December 12
Box 47, Item 4	Memphis Bridge, erection of west intermediate span, #82, 1891 December 13
Box 47, Item 5	Memphis Bridge, erection of west intermediate span, #84, 1891 December 15
Box 47, Item 6	Memphis Bridge, erection of west intermediate span, #85, 1891 December 16
Box 47, Item 7	Memphis Bridge, general view, #86, 1891 December 17
Box 47, Item 8	Memphis Bridge, general view, #87, 1891 December 19
Box 47, Item 9	Memphis Bridge, falsework, piers 2-3, #88, 1891 December 29
Box 47, Item 10	Memphis Bridge, general view, #89, 1892 January 8
Box 47, Item 11	Memphis Bridge, general view, #90, 1892 January 15
Box 47, Item 12	Memphis Bridge, general view, #91, 1892 January 16
Box 48, Item 1	Memphis Bridge, deck span, #92, 1892 January 25
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Box 48, Item 3	Memphis Bridge, deck span, #94, 1892 January 27
Box 48, Item 4	Memphis Bridge, deck span, #95, 1892 January 28
Box 48, Item 5	Memphis Bridge, west approach viaduct, #96, 1892 January 31
Box 48, Item 6	Memphis Bridge, east intermediate span, #97, 1892 February 10
Box 48, Item 7	Memphis Bridge, east intermediate, span, #98 (broken), 1892 February 11
Box 48, Item 8	Memphis Bridge, general view, #99, 1892 February 12
Box 48, Item 9	Memphis Bridge, east intermediate, #100, 1892 February 20
Box 48, Item 10	Memphis Bridge, east intermediate, #101, 1892 February
Box 48, Item 11	Memphis Bridge, east intermediate, #102, 1892 February 23

Box 48, Item 12	Memphis Bridge, east intermediate, #103, 1892 February 24
Box 49, Item 1	Memphis Bridge, east intermediate span, #104, 1892 February 26
Box 49, Item 2	Memphis Bridge, east intermediate span, #105 (broken), 1892 February 27
Box 49, Item 3	Memphis Bridge, east intermediate span, #106, 1892 February 29
Box 49, Item 4	Memphis Bridge, east intermediate span, #107, 1892 March 1
Box 49, Item 5	Memphis Bridge, east intermediate span, #108, 1892 March 2
Box 49, Item 6	Memphis Bridge, east intermediate span, #109, 1892 March 3
Box 49, Item 7	Memphis Bridge, east intermediate span, #110, 1892 March 7
Box 49, Item 8	Memphis Bridge, east intermediate span, #111, 1892 March 7
Box 49, Item 9	Memphis Bridge, east intermediate span, #112, 1892 March 8-
Box 49, Item 10	Memphis Bridge, east intermediate span, #113, 1892 March 9
Box 49, Item 11	Memphis Bridge, east intermediate span, #114 (broken), 1892 March 11
Box 49, Item 12	Memphis Bridge, east intermediate span, #115, 1892 March 12
Box 50, Item 1	Memphis Bridge, east intermediate span, #116, 1892 March 14
Box 50, Item 2	Memphis Bridge, east intermediate span, #117, 1892 March 24
Box 50, Item 3	Memphis Bridge, east intermediate span, #118, 1892 March 26
Box 50, Item 4	Memphis Bridge, general view, #119, 1892 March
Box 50, Item 5	Memphis Bridge, general view, #120, undated
Box 50, Folder 6	Memphis Bridge, general view, #120A, 1892 March 28
Box 50, Item 7	Memphis Bridge, east intermediate span, #121, 1892 March 30
Box 50, Item 8	Memphis Bridge, east intermediate span, #122, 1892 March 31
Box 50, Item 9	Memphis Bridge, east intermediate span, #123, 1892 April 2
Box 50, Item 11	Memphis Bridge, east intermediate span, #124, 1892 April 4
Box 50, Item 11	Memphis Bridge, east intermediate span, #125, 1892 April 6

Box 50, Item 12	Memphis Bridge, east intermediate span, #126, 1892 April 7
Box 51, Item 1	Memphis Bridge, east intermediate span, #127, 1892 April 8
Box 51, Item 2	Memphis Bridge, east intermediate span, #128, 1892 April 9
Box 51, Item 3	Memphis Bridge, general view, #129, 1892 April 15
Box 51, Item 4	Memphis Bridge, general view, #130, 1892 April 20
Box 51, Item 5	Memphis Bridge, general view, #131 (broken), 1892 May 1
Box 51, Item 6	Memphis Bridge, general view, #132, 1892 May 2
Box 51, Item 7	Memphis Bridge, general view, #133, 1892 May 1
Box 51, Item 8	Memphis Bridge, general view, #134, 1893 May 1
Box 51, Item 9	Memphis Bridge, general view, #135, 1893 May 8
Box 51, Item 10	Memphis Bridge, general view, #136, 1893 May 18
Box 51, Item 11	Memphis Bridge, general view, #137, 1893 May 22
Box 51, Item 12	Memphis Bridge, general view, #138, 1893 May 22
Box 52, Item 1	Memphis Bridge, general view, #139, Post 1893 May 1
Box 52, Item 2	Memphis Bridge, end view, #140, Post 1893 May 1
Box 52, Item 3	Memphis Bridge, office group, #141, undated
Box 52, Item 4	Memphis Bridge, #142, undated
Box 52, Item 5	Memphis Bridge, #143, undated

Subseries 5.7: Nebraska City Bridge, 1887-1888

136 Glass negatives (5.5" x 8")

Scope and Built 1888. Located over the Missouri River east of Nebraska City.

Contents:

Box 36, Item 1	Nebraska City Bridge, view of east side from sand bags, 1887 November 21
Box 36, Item 2	Nebraska City Bridge, pier III, 1887 Novemver 21

Box 36, Item 3	Nebraska City Bridge, carron P III, 1887 November 2
Box 36, Item 4	Nebraska City Bridge, lowering carripon, P III, 1887 November 3
Box 36, Item 5	Nebraska City Bridge, 1887 November 14
Box 36, Item 6	Nebraska City Bridge, span, 1888
Box 36, Item 7	Nebraska City Bridge, pier III, 1888 January 27
Box 36, Item 8	Nebraska City Bridge, pier II, 1888 March 18
Box 36, Item 9	Nebraska City Bridge, cutting edge, pier III, 1887 October 12
Box 36, Item 10	Nebraska City Bridge, view of Nebraska City, 1887 July 25
Box 36, Item 11	Nebraska City Bridge, pier III, 1887 October 19
Box 36, Item 12	Nebraska City Bridge, general view, 1887 October 31
Box 36, Item 13	Nebraska City Bridge, office, 1887 July 25
Box 36, Item 14	Nebraska City Bridge, carrion, pier III, 1887 October 31
Box 36, Item 15	Nebraska City Bridge, carrion, carrion, pier III, 1887 October 18
Box 36, Item 16	Nebraska City Bridge, cut on west, 1887 December 15
Box 36, Item 17	Nebraska City Bridge, cutting edge, pier III, 1887 October 12
Box 36, Item 18	Nebraska City Bridge, general view, 1887 December 15
Box 36, Item 19	Nebraska City Bridge, [Traveled?], 1888 February 11
Box 36, Item 20	Nebraska City Bridge, 1888 February 14
Box 36, Item 21	Nebraska City Bridge, span C, 1888 February 22
Box 36, Item 22	Nebraska City Bridge
Box 36, Item 23	Nebraska City Bridge, 1887 July 26
Box 36, Item 24	Nebraska City Bridge, 1887 September 13
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Box 36, Item 27	Nebraska City Bridge, boat and pile bridge, 1887 October 6
Box 36, Item 28	Nebraska City Bridge, work at pier III, 1887 October 6
Box 36, Item 29	Nebraska City Bridge, unloading cutting edge, pier III, 1887 October 11
Box 36, Item 30	Nebraska City Bridge, 1887 October 21
Box 36, Item 31	Nebraska City Bridge, 1887 October 26
Box 36, Item 32	Nebraska City Bridge, general view, 1887 October 12
Box 36, Item 33	Nebraska City Bridge, 1887 October 13
Box 36, Item 34	Nebraska City Bridge, pier III, 1887 October 17
Box 36, Item 35	Nebraska City Bridge, pier III, 1887 November 10
Box 36, Item 36	Nebraska City Bridge, pier III, 1887 November 12
Box 36, Item 37	Nebraska City Bridge, pier III, 1887 November 21
Box 36, Item 37A	Nebraska City Bridge, 1887 November 21
Box 36, Item 37B	Nebraska City Bridge, view of caison, 1887 November 21
Box 36, Item 38	Nebraska City Bridge, pier III, 1887 November 5
Box 36, Item 39	Nebraska City Bridge, pier III, 1887 November 5
Box 36, Item 40	Nebraska City Bridge, leaving carrion, pier III, 1887 November 3
Box 36, Item 41	Nebraska City Bridge, pier III, 1887 November 2
Box 36, Item 42	Nebraska City Bridge, general view, 1887 December 12
Box 36, Item 43	Nebraska City Bridge, pier I, 1887 December 12
Box 36, Item 44	Nebraska City Bridge, west, 1887 December 12
Box 36, Item 45	Nebraska City Bridge, 1887 December 13
Box 36, Item 46	Nebraska City Bridge, pier I, 1887 December 13
Box 36, Item 47	Nebraska City Bridge, [south Table Creek?], 1887 December 16
Box 36, Item 48	Nebraska City Bridge, view of Nebraska City, 1887 December 16

Box 36, Item 49	Nebraska City Bridge, pier I, 1887 December 24
Box 36, Item 50	Nebraska City Bridge, pier I, 1887 December 24
Box 36, Item 51	Nebraska City Bridge, pier II, 1888 January 2
Box 36, Item 52	Nebraska City Bridge, pier I, 1888 January 2
Box 36, Item 53	Nebraska City Bridge, pier II, 1888 January 10
Box 36, Item 54	Nebraska City Bridge, carrion, pier II, 1888 January 10
Box 36, Item 55	Nebraska City Bridge, pier II, 1888 January 18
Box 36, Item 56	Nebraska City Bridge, 1888 January 18
Box 36, Item 57	Nebraska City Bridge, general view, 1888 January 27
Box 36, Item 58	Nebraska City Bridge, 1888 February 8
Box 36, Item 59	Nebraska City Bridge, 1888 February 11
Box 36, Item 60	Nebraska City Bridge, falsework, 1888 February 13
Box 36, Item 61	Nebraska City Bridge, erection, 1888 February 15
Box 36, Item 62	Nebraska City Bridge, erection, 1888 February 16
Box 36, Item 62A	Nebraska City Bridge (broken), 1888 February 16
Box 36, Item 63	Nebraska City Bridge, erection, 1888 February 17
Box 36, Item 64	Nebraska City Bridge, 1888 February 19
Box 36, Item 65	Nebraska City Bridge, 1888 February 21
Box 36, Item 66	Nebraska City Bridge, pier II, 1888 February 21
Box 37, Item 1	Nebraska City Bridge, general view, 1888 March 5
Box 37, Item 2	Nebraska City Bridge, span C, 1888 March 11
Box 37, Item 3	Nebraska City Bridge, span C, 1888 March 11
Box 37, Item 4	Nebraska City Bridge, east approach trestle, 1888 March 13
Box 37, Item 5	Nebraska City Bridge, span C, 1888 March 20

Box 37, Item 6	Nebraska City Bridge, 1888 April 12
Box 37, Item 7	Nebraska City Bridge, 1888 April 12
Box 37, Item 8	Nebraska City Bridge, 1888 April 13
Box 37, Item 9	Nebraska City Bridge, 1888 April 13
Box 37, Item 10	Nebraska City Bridge, 1888 April 14
Box 37, Item 11	Nebraska City Bridge, general view, 1888 April 30
Box 37, Item 12	Nebraska City Bridge, 1888 April 30
Box 37, Item 13	Nebraska City Bridge, view from pier III, 1888 April 20
Box 37, Item 14	[Aspinwall?], Nebraska, 1887 July
Box 37, Item 15	Nebraska City, Fulton's Residence, 1888 March 26
Box 37, Item 15	Nebraska City, [Calhorne's?] house, 1888 March 26
Box 37, Item 17	Nebraska City, D.P. Rolfe's house, 1888 March 26
Box 37, Item 18	Nebraska City, view of trees covered with ice, 1888 March 27
Box 37, Item 19	Nebraska City, Robert Payne's residence, 1888 March 27
Box 37, Item 20	Nebraska City, Pern Bluff, 1887
Box 37, Item 21	Nebraska City, unidentified, undated
Box 37, Item 22-23	Nebraska City, unidentified, undated
Box 37, Item 24	Nebraska City, general view, undated
Box 37, Item 25	Nebraska City Bridge, undated
Box 37, Item 26	Aspinwall Bluff, Nebraska, undated
Box 37, Item 27	Nebraska City Bridge, Span C, 188 May 4
Box 37, Item 28	Nebraska City Bridge, general view, 188 May 4
Box 37, Item 29	Nebraska City Bridge, span A and B, 188 May 11
Box 37, Item 30	Nebraska City Bridge, falsework, 188 May 12

Box 37, Item 31	Nebraska City Bridge, abutment A, 3rd Street Crossing, 1888 May 12
Box 37, Item 32	Nebraska City Bridge, Span B, 1888 May 18
Box 37, Item 33	Nebraska City Bridge, Span B, 1888 May 22
Box 37, Item 34	Nebraska City Bridge, Span B, 1888 May 22
Box 37, Item 35	Nebraska City Bridge, Erection of Span B, 1888 May 23
Box 37, Item 36	Nebraska City Bridge, trestle, 1888 May 24
Box 37, Item 37	Nebraska City Bridge, erection of span B, 1888 May 24
Box 37, Item 38	Nebraska City Bridge, 1888 May 24
Box 37, Item 39	Nebraska City Bridge, erection of span B, 1888 May 25
Box 37, Item 40	Nebraska City Bridge, erection of span B, 1888 May 25
Box 37, Item 41	Nebraska City Bridge, east trestle, 1888 May 28
Box 37, Item 42	Nebraska City Bridge, 1888 May 28
Box 37, Item 43	Nebraska City Bridge, wreck, 1888 May 28
Box 37, Item 44	Nebraska City Bridge, wreck of east trestle, 1888 May 28
Box 37, Item 45	Nebraska City Bridge, work at old channel, 1888 May 30
Box 37, Item 46	Nebraska City Bridge, dike at county ditch, 1888 May 30
Box 37, Item 47	Nebraska City Bridge, work at old channel, 1888 May 30
Box 37, Item 48	Nebraska City Bridge, work at old channel, 1888 May 30
Box 37, Item 49	Nebraska City Bridge, engine 19, 1888 May 31
Box 37, Item 50	Nebraska City Bridge, break at old channel, 1888 May 31
Box 37, Item 51	Nebraska City Bridge, span B and C, 1888 June 1
Box 37, Item 52	Nebraska City Bridge, abutment, 1888 June 5
Box 37, Item 53	Nebraska City Bridge, general view, 1888 June 5
Box 37, Item 54	Nebraska City Bridge, 3rd Street abutment, 1888 June 5

Box 37, Item 55	Nebraska City Bridge, Span A, 1888 June 5
Box 37, Item 56	Nebraska City Bridge, Erection Span A, 1888 June 4
Box 37, Item 57	Nebraska City Bridge, Span A, 1888 June 7
Box 37, Item 58	Nebraska City Bridge, Span B and C, 1888 June 16
Box 37, Item 59	Nebraska City Bridge, west approach, Span A and B, 1888 June 16
Box 37, Item 60	Nebraska City Bridge, 1888 June 22
Box 37, Item 61	Nebraska City Bridge, 1888 June 22
Box 37, Item 62	Nebraska City Bridge, M.O.P. Crossing, 1888 July 29
Box 37, Item 63	Nebraska City Bridge, 1888 July 29
Box 37, Item 64	Nebraska City Bridge, 1888 August 13
Box 37, Item 65	Nebraska City Bridge, 1888 August 13
Box 37, Item 66	Nebraska City Bridge, 3rd Street crossing, 1888 August 13
Box 37, Item 67	Nebraska City Bridge, M.O.P. Crossing, 1888 August 13
Box 37, Item 68	Nebraska City Bridge, M.O.P. Crossing, 1888 August 22
Box 37, Item 69	Nebraska City Bridge, Pier IV (broken), 1888 October 21
Box 37, Item 70	Nebraska City Bridge, pontoon bridge, undated
Box 52, Item 5	Nebraska City Bridge, end view, undated
Box 52, Item 6	Nebraska City Bridge, general elevation, undated

Subseries 5.8: Omaha Bridge

1 Glass negative (11" x 14")

Box 52, Item 7	Omaha Bridge, end view, undated
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Subseries 5.9: Panama Canal, undated*16 Glass negatives (4" x 5")*

Scope and Contents: The glass plates depict images of construction, dock areas with shipping vessels and small boats, and unidentified individuals. The plates are arranged according to accession numbers (1984.1093.6027-6043). Numbers etched on the plates are noted parenthetically.

Box 40, Item 1	Panama Canal (#38) 17 Glass negatives (4" x 5")
Box 40, Item 2	Panama Canal (#43), undated
Box 40, Item 3	Panama Canal (#21), undated
Box 40, Item 4	Panama Canal, undated
Box 40, Item 5	Panama Canal (#88), undated
Box 40, Item 6	Panama Canal (#59), undated
Box 40, Item 7	Panama Canal (#60), undated
Box 40, Item 8	Panama Canal [#75?], undated
Box 40, Item 9	Panama Canal (#98), undated
Box 40, Item 10	Panama Canal (#82), undated
Box 40, Item 11	Panama Canal (#73), undated
Box 40, Item 12	Panama Canal (#87), undated
Box 40, Item 13	Panama Canal (#6), undated
Box 40, Item 14	Panama Canal [#2?], undated
Box 40, Item 15	Panama Canal (#17), undated
Box 40, Item 16	Panama Canal (#10), undated
Box 40, Item 17	Panama Canal (#8), undated

Subseries 5.10: Rulo Bridge, 1886-1889*90 Glass negatives (5.5" x 8")*

Scope and Contents: Started 1885 and completed 1889. Built over the Missouri River, east of Rulo, Nebraska.

Box 34, Item 28	Rulo Bridge, view of work near pier I, 1886 April 4
Box 34, Item 28A	Rulo Bridge, pier I, 1886 April 5
Box 34, Item 29	Rulo Bridge, [Boswell Smith?], 1886 May 5
Box 34, Item 29A	Rulo Bridge, pile driver and screen dike, 1886 May 5
Box 34, Item 30	Rulo Bridge, pile driver, 1886 May 5
Box 34, Item 30A	Rulo Bridge, view of Rulo, 1886 May 5
Box 34, Item 31	Rulo Bridge, B&M transfer steamer, J.F. Joy at low water landing, west bank, 1886 May 19
Box 34, Item 32	Rulo Bridge, pier II, 1886 May 25
Box 34, Item 33	Rulo Bridge, west approach, 1886 May 25
Box 34, Item 34	Rulo Bridge, view of work near pier IV, 1886 June 15
Box 34, Item 35	Rulo Bridge, 1886 July 30
Box 34, Item 36	Rulo Bridge, work at pier IV, 1886 July 30
Box 34, Item 37	Rulo Bridge, work at pier IV, 1886 August 2
Box 34, Item 38	Rulo Bridge, concreting at pier IV, 1886 August 19
Box 34, Item 39	Rulo Bridge, pier IV, 1886 September 7
Box 34, Item 40	Rulo Bridge, clay hoist at pier IV, 1886 September 21
Box 34, Item 41	Rulo Bridge, pile driver at pier III, 1886 September 21
Box 34, Item 42	Rulo Bridge, pile driver at pier III, 1886 September 26
Box 34, Item 42A	Rulo Bridge, 1886 September 26
Box 34, Item 43	Rulo Bridge, pier III caisson, 1886 November 18
Box 34, Item 44	Rulo Bridge, Steamer Bertram grounded by ice during night, 1886 November 19
Box 34, Item 45	Rulo Bridge, [Mrs. C and baby at old house?], 1886
Box 34, Item 46	Rulo Bridge, view southeast, 1886 November 7

Box 34, Item 47	Rulo Bridge, view southeast from foot of wind gauge, 1886 November 7
Box 34, Item 48	Rulo Bridge, pier III, 1886 November 18
Box 34, Item 49	Rulo Bridge, pile bridge, 1886 November 18
Box 34, Item 50	Rulo Bridge, pier III, 1886 November 24
Box 34, Item 50A	Rulo Bridge, pier III, 1886 November 24
Box 34, Item 51	Rulo Bridge, pile bridge, 1886 November 28
Box 34, Item 52	Rulo Bridge, pier III, 1886 Decemner 4
Box 34, Item 53	Rulo Bridge, pier III, 1886 Decemner 19
Box 34, Item 54	Rulo Bridge, pier III, 1886 Decemner 19
Box 34, Item 55	Rulo Bridge, pier IV, 1886 Decemner 19
Box 34, Item 56	Rulo Bridge, pier III, 1887 January 4
Box 34, Item 57	Rulo Bridge, pier IV, 1887 January 4
Box 34, Item 58	Rulo Bridge, cutting edge, pier II, 1887 January 14
Box 34, Item 59	Rulo Bridge, pier III, 1887 January 23
Box 34, Item 60	Rulo Bridge, pier III, 1887 January 23
Box 34, Item 61	Rulo Bridge, Atchison Line, 1887 January 26-27
Box 34, Item 62	Rulo Bridge, pier II, 1887 January 28
Box 34, Item 63	Rulo Bridge, Atchison trestle, 1887 January 28
Box 34, Item 64	Rulo Bridge, view of work from end of bank, 1887 January 31
Box 34, Item 65	Rulo Bridge, caison, pier II, 1887 January 31
Box 34, Item 66	Rulo Bridge, pier II, cutting ice, 1887 February 9
Box 34, Item 67	Rulo Bridge, pier II, cutting ice, 1887 February 9
Box 34, Item 68	Rulo Bridge, pier II, cutting ice, 1887 February 11
Box 34, Item 69	Rulo Bridge, pier II, cutting ice, 1887 February 20

Box 34, Item 70	Rulo Bridge, pier III, 1887 February 24
Box 34, Item 71	Rulo Bridge, pier II, 1887 February 24
Box 35, Item 1	Rulo Bridge, ice moving out, 1887 March 8
Box 35, Item 2	Rulo Bridge, ice moving out, 1887 March 9
Box 35, Item 3	Rulo Bridge, pier III, 1887 March 9
Box 35, Item 4	Rulo Bridge, pier IV, 1887 March 10
Box 35, Item 5	Rulo Bridge, pier II, 1887 March 10
Box 35, Item 6	Rulo Bridge, pier III, 1887 March 12
Box 35, Item 6A	Rulo Bridge, 1887 March 12
Box 35, Item 8	Rulo Bridge, view from end of bank, 1887 March 16
Box 35, Item 9	Rulo Bridge, view from end of bank, 1887 March 18
Box 35, Item 10	Rulo Bridge, pier IV, 1887 April 6
Box 35, Item 11	Rulo Bridge, pier II, 1887 April 6
Box 35, Item 12	Rulo Bridge, pier IV, falsework, 1887 April 15
Box 35, Item 12A	Rulo Bridge, pier III, 1887 April 15
Box 35, Item 13	Rulo Bridge, falsework, 1887 May 6
Box 35, Item 13A	Rulo Bridge, falsework from downstream, 1887 May 6
Box 35, Item 13B	Rulo Bridge, falsework, 1887 May 6
Box 35, Item 13C	Rulo Bridge, 1887 May 8
Box 35, Item 14	Rulo Bridge, falsework, 1887 May 16
Box 35, Item 13D	Rulo Bridge, span, 1887 May 15
Box 35, Item 13E	Rulo Bridge, falsework, 1887 May 15
Box 35, Item 13F	Rulo Bridge, 1887 May 15
Box 35, Item 14A	Rulo Bridge, falsework, 1887 May 20

Box 35, Item 15	Rulo Bridge, 1887 May 23
Box 35, Item 15A	Rulo Bridge, 1887 May 25
Box 35, Item 15B	Rulo Bridge, from pier II, 1887 May 25
Box 35, Item 16	Rulo Bridge, 1887 May 28
Box 35, Item 17	Rulo Bridge, 1887 June 21
Box 35, Item 18	Rulo Bridge, pile driver, 1887 June
Box 35, Item 19	Rulo Bridge, big bone from pier I, 1887 June
Box 35, Item 20	Rulo Bridge, right of way, 1887 June
Box 35, Item 21	Rulo Bridge, view of C span, 1887 June 19
Box 35, Item 22	Rulo Bridge, west span, 1887 July 16
Box 35, Item 23	Rulo Bridge, counter block, 1887 July 16
Box 35, Item 24	Rulo Bridge, screen dike, 1888 June 5
Box 35, Item 25	Rulo Bridge, 1889 June 1
Box 35, Item 26	Rulo Bridge, 1889 June 1
Box 35, Item 27	Rulo Bridge, 1889 June 1
Box 35, Item 28	Rulo Bridge, view from front of house, undated
Box 35, Item 29	Rulo Bridge, inside caison, pier III, undated
Box 35, Item 30	Rulo Bridge, lowering caison, undated
Box 35, Item 31	Rulo Bridge, view from front of house, undated

Subseries 5.11: Sioux City Bridge

1 Negatives (photographic) (17" x 20")

5 Glass negatives (17" x 20")

Scope and Contents: Built 1888. Built over the Missouri River by Sioux City, South Dakota.

Box 56, Item 2	Iowa portal without name plate, undated
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Box 56, Item 3	Sioux City Bridge, channel spans from Nebraska bank, undated
Box 56, Item 4	Sioux City Bridge, general elevation from Iowa Bank, undated
Box 56, Item 5	Sioux City Bridge, Iowa portal with name plate, undated
Box 56, Item 6	Sioux City Bridge, elevation channel spans from Nebraska bank, undated
Box 56, Item 7	Sioux City Bridge, elevation channel spans from Nebraska bank (film), undated
Box 56, Item 1	Sioux City Corn Palace, 1890 1 Negatives (photographic) (13 1/4" x 16 1/4")

[\[Corn Palace, Sioux City, Iowa : black-and-white acetate negative.\]](#), 1890

1 Item (Silver gelatin on acetate.; 34 cm x 41.5 cm.)

Collector: Morison, George S., 1842-1903

Language: English.

Notes: AC0978-0000001.tif (AC Scan No.)

Corn Palace of Sioux City, Iowa, 1890. E.W. Loft designed the first corn palace of 1887. Photographer unidentified, possibly Morison.

Names: Corn Palace (Sioux City, Iowa)

Topic: Architecture, Moorish Revival

Crop art

Genre/Form: Black-and-white negatives

Photographs -- 1890-1900 -- Black-and-white negatives --
Acetate film

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Series 6: Lantern Slides, 1878-1894

Scope and Contents: This series consists of lantern slides (3 1/2" x 4") depicting images and views of the Panama Canal (water ways, trees), as well as the San Blas Indians. Also included are reproduction maps depicting profiles, elevations, and cut aways of the canal. The slides are arranged numerically and are not comprehensive. A typescript index from 1903 is included in the box.

Many of the general lantern slides relate to the Bellefontaine Bridge (located in St. Louis County, Missouri), but also represented are: Memphis Bridge, the Nebraska City Bridge, the Missouri River at Blair Crossing, and the Coldwater Creek Arch,

Subseries 6.1: Isthmian Canal, undated

31 Lantern slides (3.5" x 4")

Box 32, Item 1	2, General map of Isthmus
Box 32, Item 2	7, Map of Panama Canal reproduced from Engineering Magazine
Box 32, Item 3	8, Map of Panama Canal reproduced from Proceedings of American Society of Civil Engineers
Box 32, Item 4	9, Tide level profile of Panama Canal
Box 32, Item 5	10, Isthmian Canal Commission Map
Box 32, Item 6	11, Tiger Hill profile of Panama Canal
Box 32, Item 7	12, Lake Bohio
Box 32, Item 8	13, General map of Panama location
Box 32, Item 9	23, Cross section of Culebra Cut
Box 32, Item 10	24, Cross section of Culebra cut on French plan
Box 32, Item 11	25, Colon from Christopher Colon
Box 32, Item 12	276, Colon from Christopher Colon
Box 32, Item 13	27, Statute of Columbus and Christopher Colon
Box 32, Item 14	28, View of canal above Gatun
Box 32, Item 15	29, view of canal above Gatun
Box 32, Item 16	30, Site of Bohio Dam

Box 32, Item 17	31, Site of Bohio locks
Box 32, Item 18	33, Looking across Culebra Cut to Culebra Hill
Box 32, Item 19	34, Eastern slope of Culebra Cut
Box 32, Item 20	35, Bottom of Culebra Cut
Box 32, Item 21	36, Dyke in formation of Culebra cut
Box 32, Item 22	37, Pier at La Boca
Box 32, Item 23	40, Cathedral at Panama
Box 32, Item 24	43, Cieba tree on San Juan River
Box 32, Item 25	44, Caretas at Rivas
Box 32, Item 26	45, Momotombo
Box 32, Item 27	46, Caeldonia Gap
Box 32, Item 28	47, The Coronal and party
Box 32, Item 29	48, Indian Village, Mandinga Harbor
Box 32, Item 30	49, San Blas Indians
Box 32, Item 31	50, San Blas Indians

Subseries 6.2: General, 1878-1894

84 Lantern slides (3.5" x 4")

Box 33, Item 1	Alton Bridge, No. 36, pile hammer, 1893
Box 33, Item 2	Alton Bridge, No. 39, foundation pier II, 1893
Box 33, Item 3	Alton Bridge, No. 43, foundation pier III, 1893
Box 33, Item 4	Alton Bridge, No. 42, interior of curb, pier III, 1893
Box 33, Item 5	Bismarck Bridge, caisson for pier II (line drawing), undated
Box 33, Item 6	Nebraska City Bridge, pier III, 1887
Box 33, Item 7	Nebraska City Bridge, pier III, 1887

Box 33, Item 8	Nebraska City Bridge, pier III, 1887
Box 33, Item 9	Nebraska City Bridge, pier III, 1887
Box 33, Item 10	Bellefontaine Bridge, 1892
Box 33, Item 12	Bellefontaine Bridge, 1892
Box 33, Item 13	Bellefontaine Bridge, 1892
Box 33, Item 14	Bellefontaine Bridge, pier II, 1892
Box 33, Item 15	Bellefontaine Bridge, sealing masonry at pier II, 1893
Box 33, Item 17	Bellefontaine Bridge, working chamber caisson, pier V, 1893
Box 33, Item 18	Memphis bridge, clay hoist and sand pump (line drawing), undated
Box 33, Item 19	Memphis bridge, clay hoist and sand pump (line drawing), undated
Box 33, Item 20	Memphis bridge, special hoist and lock used and piers II and III (line drawing), undated
Box 33, Item 21	Memphis Bridge, elevator engine, pier II, 1889
Box 33, Item 22	Memphis Bridge, mat weaving, pier II, 1889
Box 33, Item 23	Memphis Bridge, mat weaving, pier II, 1889
Box 33, Item 24	Memphis Bridge, mat weaving, pier II, 1889
Box 33, Item 25	Memphis Bridge, mat weaving, pier II, 1889
Box 33, Item 26	Memphis Bridge, mat weaving, pier II, 1889
Box 33, Item 27	Unidentified steamboat, undated
Box 33, Item 28	A.D. Fisk Maker, undated
Box 33, Item 29	Moran's Patent Air Lock, 1892
Box 33, Item 30	Memphis Bridge, pier, undated
Box 33, Item 31	Unidentified, undated
Box 33, Item 32	Unidentified, undated

Box 33, Item 33	Nebraska City Bridge, undated
Box 33, Item 34	Unidentified bridge, undated
Box 33, Item 35	Mat pier II, weaving barges with heading, 1892
Box 33, Item 36	Memphis Bridge, undated
Box 33, Item 37	Unidentified, undated
Box 33, Item 38	Memphis Bridge, undated
Box 33, Item 39	Memphis Bridge, undated
Box 33, Item 40	Memphis Bridge, undated
Box 33, Item 41	Unidentified bridge, undated
Box 33, Item 42	Memphis Bridge, undated
Box 33, Item 43	Memphis Bridge, undated
Box 33, Item 44	Standard expansion bearing (line drawing), undated
Box 33, Item 45	[Jacksonville?], undated
Box 33, Item 46	S.S. Deutchland (line drawing), undated
Box 33, Item 47	Bellefontaine Bridge (line drawing), undated
Box 33, Item 48	Bellefontaine Bridge (line drawing), undated
Box 33, Item 49	Missouri River at Blair, 1879
Box 33, Item 50	Unidentified, undated
Box 33, Item 51	Unidentified, undated
Box 33, Item 52	Missouri River at Blair, 1880
Box 33, Item 53	Unidentified, undated
Box 33, Item 54	Missouri River at Nebraska City, 1879
Box 33, Item 55	Unidentified, undated
Box 33, Item 56	Unidentified, undated

Box 33, Item 57	Missouri River at Nebraska City, 1891
Box 33, Item 58	Missouri River at Atchison, 1879
Box 33, Item 59	Unidentified, undated
Box 33, Item 60	Missouri River at Atchison, 1890
Box 33, Item 61	Missouri River at Atchison (line drawing), undated
Box 33, Item 62	Unidentified, undated
Box 33, Item 63	Unidentified, undated
Box 33, Item 64	Unidentified, undated
Box 33, Item 65	Missouri River at Kansas City, 1878
Box 33, Item 66	Missouri River at Kansas City, 1890
Box 33, Item 67	Unidentified, undated
Box 33, Item 68	Missouri River at St. Charles, 1879
Box 33, Item 69	Unidentified, undated
Box 33, Item 70	Unidentified, undated
Box 33, Item 71	Missouri River at St. Charles, 1890
Box 33, Item 72	[Champs-Élysées?], undated
Box 33, Item 73	Harlem Creek, 1894
Box 33, Item 74	Coldwater Creek Arch, 1893
Box 33, Item 75	Coldwater Creek Arch, undated
Box 33, Item 76	Coldwater Arch, 1894
Box 33, Item 77	Unidentified, undated
Box 33, Item 78	Unidentified, undated
Box 33, Item 79	Unidentified, undated
Box 33, Item 80	Unidentified, undated

Box 33, Item 81	Unidentified, undated
Box 33, Item 82	Unidentified, undated
Box 33, Item 83	Unidentified, undated
Box 33, Item 84	Unidentified, undated

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Series 7: Drawings

Scope and Contents: This series consists of drawings, elevations, sections, plans, sketches, maps, specifications, and in some instances photographs. There are no oversize folders for: 1; 16; 19; 48; 90-91; 96; 100-101; 107; and 144. Materials in box 41 are rolled. Some drawings are housed in tubes.

Box 38	Index cards for drawings
Box 39	Index cards for drawings
Map-folder 157	Panama Route, Proposed Dam at Bohio, 1901 blueprint 26" x 42"
Map-folder 157	Panama Route, Map Showing Location of Proposed Canal, Plate 21, 1901 ozalid print 22 1/2" x 29 1/2"
Map-folder 157	Panama Route, Profile of Proposed Canal, Plate 22, 1901 ozalid print 13" x 29 1/2"
Map-folder 157	Panama Route, Cross Sections, Plate 23, undated ozalid print 15" x 13 1/2"
Map-folder 157	Panama Route, Locks at Bohio, Plate 24, 1901 blueprint 24 1/2" x 42"
Map-folder 157	Panama Route, Locks at Pedro Miguel and Miraflores, Plate 25, 1901 blueprint 24 2/4" x 42"
Map-folder 157	Panama Route, Proposed Dam at Bohio, Plate 26, 1901 blueprint 24 14/4" x 42"
Map-folder 157	Panama Route - Proposed Gigante Spillway, Plate 27, 1901 ozalid print 19" x 26"
Map-folder 157	Nicaragua Route, Parts of Nicaragua and Costa Rica, Plate 28, 1901 blueprint 33" x 38 3/4"
Map-folder 157	Nicaragua Route, From Boca San Carlos to Lake Nicaragua, Plate 30, 1901

	blueprint 29 1/2" x 56"
Map-folder 157	Nicaragua Route, From Caribbean Sea to Boca San Carlos, Plate 29, 1901 blueprint 28 1/4" x 54 3/4"
Map-folder 157	Nicaragua Route, Lake Nicaragua to the Pacific Ocean, Plate 32, 1901 blueprint 16" x 37 1/4"
Map-folder 157	Nicaragua Route, Greytown to Rio San Juanillo, Plate 34, 1901 blueprint 16" x 34 1/2"
Map-folder 157	Nicaragua Route, Mouth of the Rio Indio to Rio Misterioso, Plate 35, 1901 blueprint 15 1/2" x 34 1/2"
Map-folder 157	Nicaragua Route, Rio San Juanillo to Mouth of Rio Negro, Plate 36, 1901 blueprint 16" x 35"
Map-folder 157	Nicaragua Route, Index sheet to Map No. 3, Plate 33, undated blueprint 21" x 49"
Map-folder 157	Nicaragua Route, Mouth of Rio Negro to Serapuqui Hills, Plate 37, 1901 blueprint 16" x 35"
Map-folder 157	Nicaragua Route, Lock No. 2 to Rio San Francisco, Plate 38, 1901 blueprint 16" x 34 1/2"
Map-folder 157	Nicaragua Route, Rio San Francisco to Cano Machado, Plate 39, 1901 blueprint 16 1/2" x 35"
Map-folder 157	Nicaragua Route, Conchuda Wasteway, Plate 68, 1901 blueprint 24" x 42"
Map-folder 157	Nicaragua Route, Conchuda Dam, Plate 69, 1901 blueprint 24" x 42"
Map-folder 157	Economic Report, Trade Routes and Distances by Existing Lines, Plate 74, 1901

	blueprint 20 3/4" x 49 3/4"
Map-folder 157	Economic Report, Western Hemisphere on a Polyconic Projection, Plate 75, 1897 ozalid print 21" x 27 3/4"
Map-folder 157	Economic Report, Central Chile sheet No. 1, Plate 76, 1901 blueprint 5 1/2" x 35 1/2"
Map-folder 157	Economic Report, Central Chile sheet No. 2, Plate 77, undated blueprint 20 1/4" x 14 1/2"
Map-folder 157	Economic Report, North Western South America, Plate 78, 1901 blueprint 40" x 25 1/4"
Map-folder 157	Economic Report, Japan showing locations of resources and industries, Plate 79, 2 parts, 1901 blueprint 35 3/4" x 66 1/2", 36" x 67 3/4"
Map-folder 157	Economic Report, China, Plate 80, 1901 blueprint 26 3/4" x 30"
Map-folder 157	Economic Report, Eastern Australia, Plate 81, 1901 blueprint 40 1/4" x 30"
Map-folder 157	Nicaragua Route, Conchuda Cut off and Dam Sites, Plate 40, 1901 blueprint 25 1/2 x 34 1/2"
Map-folder 157	Nicaragua Route, La Lucha to Agua Fresca, Plate 41, 1901 blueprint 5 3/4" x 35"
Map-folder 157	Nicaragua Route, Agua Fresca to Santa Cruz Cut off, Plate 42, 1901 blueprint 16" x 34 3/4"
Map-folder 157	Nicaragua route, Isla Sombrero De Cuero to Isla Grande, Plate 43, 1901 blueprint 16" x 34 3/4"
Map-folder 157	Nicaragua Route, Rio Chico to San Francisco Cut off, Plate 44, 1901

	blueprint 15 1/2" x 34 3/4"
Map-folder 157	Nicaragua Route, Rio Medio Queso to lake Nicaragua, Plate 45, 1901 blueprint 15 1/2" x 34 1/2"
Map-folder 157	Nicaragua Route - Lake Nicaragua to Cano Guachipilin, Plate 46, 1901 blueprint 15" x 35"
Map-folder 157	Nicaragua Route, Cano Guachipilin to Pacific Ocean, Plate 47, 1901 blueprint 15 1/2" x 34 3/4"
Map-folder 157	San Juan de Nicaragua, Plate 53, 1832 blueprint 0 1/2" x 23 1/4"
Map-folder 157	Greytown Harbor, Plate 54, 1850 blueprint 17 3/4" x 25"
Map-folder 157	Greytown Harbor, Plate 55, 1853 blueprint 15" x 19 1/2"
Map-folder 157	Greytown Harbor, Plate 56, 1856 blueprint 13 3/4" x 14 3/4"
Map-folder 157	Greytown Harbor, Plate 57, 1865 blueprint 13 3/4" x 20 3/4"
Map-folder 157	Greytown Harbor, Plate 58, 1872 blueprint 14 1/4" x 18"
Map-folder 157	Greytown Harbor, Plate 59, 1898 blueprint 15" x 21"
Map-folder 157	Nicaragua Route, Cross Sections, Plate 60, 1901 blueprint 24 1/2" x 42"
Map-folder 157	Nicaragua Route, Lake Nicaragua Borings, Plate 63, 1901

	blueprint 18 1/2" x 38 1/2"
Map-folder 157	Nicaragua Route, Lock No. 1 Eastern Division, Plate 64, 1901 blueprint 24" x 41 1/2"
Map-folder 157	Nicaragua Route, Locks of the Eastern Division, Plate 65, 1901 blueprint 24" x 41 1/2"
Map-folder 157	Puerto Y Boca Del Rio De S. Juan De Nicaragua, Plate 52, undated blueprint 13 3/4" x 14 3/4"
Map-folder 157	Nicaragua Route, Wasteways for Eastern Division, Plate 67, undated blueprint 24" x 42"
Map-folder 157	Nicaragua Route, Locks of the Western Division. Plate 66, 1901 blueprint 24 2/3" x 41 3/4"
Map-folder 157	Economic Report, New Zealand, Plate 82, 1901 blueprint 19 1/4" x 14 1/2"
Map-folder 157	Economic Report, The Philippine Islands, Plate 83, 1901 blueprint 24 1/2" x 19 1/4"
Map-folder 157	Economic Report, Central America, Plate 84, 1901 blueprint 22 1/4" x 29"
Map-folder 157	Economic Report, Mexico, Plate 85, 1901 blueprint 29" x 35"
Map-folder 157	Economic Report, Map Showing Points Equally Distant from New York and Liverpool..., Plate 86, undated blueprint 20 3/4" x 18 3/4"
Map-folder 168	A. and E.B. Co. Atchison Bridge, draw span superstructure, 1899 26 blueprints 22" x 31 1/2"
Map-folder 168	A. and E.B. Co. Atchison Bridge, undated

	40 blueprints 22" x 30 3/4"
Map-folder 168	Bellfontaine Bridge Report, undated proof pages and lithographs 13 3/4" x 21 3/4"
Map-folder 169	Competitive Design for Memorial Bridge Across the Potomac, 1900 19 blueprints and 1 engraving 22" x 31 3/4"
Map-folder 158	Contour Map with Location of Borings at Bohio, undated blueprint 23 1/2" x 48 1/2"
Map-folder 158	Contour Map with Locations of borings near Bohio, undated blueprint 27 1/2" x 37 1/2"
Map-folder 158	Details of Rail Sections, undated blueprint 18" x 42"
Map-folder 169	Detroit Bridge, 1890 13 blueprints 5" x 21 3/4"
Map-folder 158	Drawing on cardboard, copy of the plan of the lots, from 1738 and 1750 surveys, undated 1 delete 22 1/4" x 18 3/4"
Map-folder 169	E. and T.H. R.R. White River Bridge, 1901 24 blueprints 22" x 31"
Map-folder 158	Graph Showing Discharge Rate for Unidentified River, 1874 1 delete 6" x 40 3/4"
Map-folder 158	Isthmian Canal Commission, Nicaragua Route Estimate Sheet, undated 1 delete 22 3/4" x 84 1/4"
Map-folder 170	Jacksonville Tampa and Keywest Railroad 216' Draw Span, 1890 8 blueprints 22" x 30 1/2"
Map-folder 170	Jacksonville Tampa and Keywest Railroad, Lake Monroe 216' Draw Span, 1893

	13 blueprints 22" x 31"
Map-folder 170	K.W. and E.P. Co., Works Near Armstrongs Ferry, 1896 4 blueprints 22" x 30 1/2"
Map-folder 170	L.T.R. and B. Co. Leavenworth Bridge 330' Through Fixed Span, undated 16 blueprints 21 3/4" x 31"
Map-folder 171	L.T.R. and B. Co. Leavenworth Bridge 440' draw Span, 1893 32 blueprints 22" x 31"
Map-folder 171	L.T.R. and B. Co. Leavenworth Bridge Substructure, 1892-1893 10 blueprints 22" x 31"
Map-folder 172	Mobile and Ohio Railroad, Columbus Bridge, 1901 33 blueprints 22" x 31"
Map-folder 158	Route, Lake Nicaragua from Fort San Carlos to Las Lajas, Plate 31 blueprint 21 1/4" x 86 1/2"
Map-folder 158	Extract from Map blueprint 30" x 28 3/4"
Map-folder 172	M.D. and S.R.R. Dublin Bridge, 1902 19 blueprints 22" x 30 1/2"
Map-folder 158	Miscellaneous printed copies of drawings, reduced for use in publications, undated
Map-folder 172	Mobile and Ohio R.R. Bridge Plans, 1897 32 blueprints 22" x 31"
Map-folder 173	Norther Pacific Railroad, Tacoma Bridge, 1892 22 blueprints 22" x 30 3/4"
Map-folder 173	New York and New Jersey Suspension Bridge, 1895

	19 blueprints 22" x 31 1/2"
Map-folder 174	Ohio and Mississippi Railway, Wabash Bridge, 216' Draw Span, 1892 21 blueprints 21 1/2" x 30 3/4"
Map-folder 174	O.R.E. Co. Vancouver Bridge, 1890 57 blueprints 22" x 31"
Map-folder 175	O.R.E. Vancouver Bridge 465' Draw span, with corrections, 1890 27 blueprints 22 1/2" x 31 1/2"
Map-folder 158	Panama Canal, Deficiencies in Water supply, 1902 sheet 3 blueprint 22 1/4" x 30 1/2"
Map-folder 158	Panama Canal section at Mile 34.5, 1902 sheet 4 blueprint 22 1/4" x 31"
Map-folder 158	Panama Canal Bohio Dam semi bound, marked Plate 1, 1901 10 blueprints 23" x 33"
Map-folder 158	Panama Canal Bohio Dam sheet 5, 1902 blueprint 22 1/4" x 31"
Map-folder 158	Panama Canal Estimates semi bound, undated blueprint copy 6 sheets one loose 12" x 19"
Map-folder 159	Panama Canal General Map sheet 1, canal route marked in red, 1902 blueprint 30" x 60 1/4"
Map-folder 159	Panama Canal Lake Bohio feet 6, 1902 blueprint 22" x 30 3/4"
Map-folder 159	Panama Canal Profile, 1902 blueprint 22" x 63 1/4"
Map-folder 159	Panama Canal Route, Cross Sections of the borings made at the Bohio Dam Site, 1900

	ozalid print 23" x 97 3/4"
Map-folder 159	Plats showing lot numbers and names of land holders, 1894 9 blueprints 22" x 31 1/4"
Map-folder 159	Profile of Proposed Excavation, drawn on profile paper, unidentified, undated 1 sheet 11" x 46"
Map-folder 159	Profile of Sand, unidentified location, drawn on profile paper, undated 1 sheet 16" x 42"
Map-folder 159	Profile of Suggested Line Bohio to Gatun on Panama Canal, drawn on profile paper, undated 1 sheet 13" x 119 1/2"
Map-folder 159	Proposed Harbor and Entrance, undated blueprint 29 3/4" x 38"
Map-folder 159	Rail section, ink on paper, undated 1 sheet 8 1/2" x 6"
Map-folder 159	Rail section - linen tracing, undated 1 sheet 13 1/2" x 14"
Map-folder 159	Rail section, C.B. and Q. R.R., 85 lb Steel Rail and Splice, 1888 1 sheet 10" x 10"
Map-folder 159	Rails, miscellaneous calculations, undated 1 sheet 12 1/2" x 8"
Map-folder 159	Rail section, linen tracing, undated 1 sheet 1/2" x 9"
Map-folder 159	Rail sections drawn in ink on Bristol board, undated 1 sheet 14 1/2" x 18 1/4"
Map-folder 159	Rail sections drawn in ink on Bristol board, undated

	1 sheet 12 1/2" x 15 1/4"
Map-folder 159	Rail sections and splices drawn in ink on Bristol board, undated 10 sheets 16 1/2" x 20 3/4"
Map-folder 159	Rail sections made by Scranton Steel Co., 1883-1884 1 sheet 7" x 6 1/2"
Map-folder 159	Section of Proposed Dam for Lake Bohio on Line "D", 1900 1 sheet 35" x 31"
Map-folder 159	Test Bars for American Bridge Co., Pencoyd Iron Works, 1900 1 sheet 23" x 22 1/2"
Map-folder 159	Topographical Map of West End, P.E.A. (Phillips Exeter Academy) Yard, 1898 1 sheet 21" x 33 3/4"
Map-folder 159	Unidentified Graphs on flimsy paper, undated 1 sheet 12" x 17 1/4"
Map-folder 159	Unidentified plan and elevation of boring sites in French, undated 1 sheet 15 3/4" x 82"
Map-folder 159	Unidentified Profile, drawn on profile paper, undated 1 sheet 6" x 69 1/4" + blank paper
Map-folder 159	Venezuela, Mapa De Venezuelaegun Cordazet Por Miguel Tejera,, undated 1 sheet 17" x 11"
Map-folder 2	Royal Sound and Savanah R No. 14. 25-32, undated 9 drawings
Map-folder 2	City of St. Joseph, Missouri R No. 33, 33a, 33b, 33c, 34, undated 5 drawings
Map-folder 2;	R.R. location maps No. 3-16, 16a, 16b, 16c, undated

Tube 10, Map-rolled 1A	17 drawings paper and linen
Tube 10, Map-rolled 1A; Tube 10, Map-rolled 2A	R.R. location maps, No. 18, 19, 23, undated 6 drawings
Tube 10, Map-rolled 1A	City map Sioux City, No. 1, 1888 drawings
Tube 10, Map-rolled 1A	S.C. B. Company, map of the Missouri River, Number 2, 1888 - 1888
Map-folder 2	Several maps mall, Isthmian Canal, 1899-1903 8 drawings
Map-folder 2	Profile of Isthmian Canal Chagres River, 1899-1904 1 drawing
Tube 10, Map-rolled 2A	Panama Canal Gatun to Bohio, 1899-1905 1 drawing
Map-folder 2	Panama Bay, 1899-1906 drawing
Map-folder 2	Panama Canal Profile, Miraflores Pedro Miguell, 1899-1907 1 drawing
Tube 10, Map-rolled 1A	Panama Canal general map, 1899-1908 1 drawing
Tube 10, Map-rolled 2A	Discharge of Chagres River, 1899-1909 1drawing
Map-folder 2	Quantity estimates of rocks, 1899-1910 5 drawings
Tube 10, Map-rolled 2A	Panama Canal profile, 1902 22 dwgs
Tube 10, Map-rolled 3A	Profile of O.R. and N.Ca., Portland to Dallas Div, No. 6-9 B.P., undated 4 drawings
Map-folder 3	Fuel costs, Pacific Division, No. 11 mall B.P., undated
Map-folder 3	Map and Profiles N.P.R.R., Cascade Div. via Stampede Pass, No. 10, undated

1 drawing.

Tube 10, Map-rolled 3A; Map-folder 3	Portland and Seattle R.R., No. 2, 11, 3, 5, undated 4 drawings
Map-folder 4	Nebraska City location drawings No. 1, 1888 10 drawings
Tube 10, Map-rolled 4A	Map of the Missouri River at Nebraska City
Tube 10, Map-rolled 4A	General plan of the River Surrey at Nebraska City. Number 7, 1886 - 1887
Map-folder 5	Map of Missouri River in vicinity of St. Joseph, No. 7A, 7, 7B, undated 3 drawings
Box 41	Map of Missouri River, Numbers, 4, 5, and 10, undated
Tube 10, Map-rolled 4A	Cross sections of river, No. 3, undated
Map-folder 5	Currents at river crossing, No. 5, undated
Map-folder 5	City streets at crossing, no number B.P. ,, undated 2 drawings
Map-folder 5	Table of distances Sioux City to North, No. 9 B.P., 1888
Map-folder 5	Kansas City, map showing R.R. locations, No. 5, 6, undated
Map-folder 5	Study of high water, 1883-1884
Tube 10, Map-rolled 4A	Map of Vancouver Columbia River, Number, 4, undated
Tube 10, Map-rolled 1B	Cairo River crossing, Number, 1, 1a, 2, 2a, undated 4 drawings
Box 41, Roll Number 12; Map-folder 5	Triangulation for bridge crossing, Washington State, Number, 11, undated
Box 41	Triangulation for bridge crossing, Washington State, Number, 12
Map-folder 6	Maps, Memphis Bridge approach, Number, 1- 7, 7 drawings, 1888-1892

Box 57; Memphis River Bridge drawings, 1888-1892
 Box 58;
 Box 59;
 Box 60;
 Box 61;
 Map-folder 176

Map-folder 6	Anchorage span structural, Memphis Bridge, Number, 6 16, 9a, 1888-1892 9 drawings
	Memphis Bridge structural, portal, Number, 1, 2, 1888-1892
Map-folder 12	Bridge location map, Number, 1, undated
Map-folder 12	U.S.G.S. map of Galveston Bay, Number, 11, undated
Tube 10, Map-rolled 2B	St. L.K. and N.W. Railroad St. Charles City line to St. Pete, map, Number, 6, undated
Tube 10, Map-rolled 2B	Map of East Florida Railway, Jacksonville
Tube 10, Map-rolled 1B	Astor t. John R., J.T. and K.W.R., map Number, 2, undated
Tube 10, Map-rolled 2B	St. L.K. and N.W.Railroad t. Louis Co. superseded, map Number, 5, undated
Tube 10, Map-rolled 1B	Map, no title, Number, 4, undated
Map-folder 13; Box 41	Aspinwall Bridge, Little Nemaha River, Nebraska maps and survey Number, 6, 7, 8, undated
Box 41	General plan of surveys near Aspinwall, Nebraska, Number, 1-5, undated 6 drawings
Map-folder 14	A.T.and St. F. map of surveyed line of St. Louis, K.C and Co., Number, 17, undated
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Tube 10, Map-rolled 3B	Map, Galveston Wharf Co., Gulf Colorado and St. Fe R., Number, 18, undated
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	6 drawings
Map-folder 14	A.T. and St. F. examinations, Number, 10 15, undated 6 drawings
Box 41	Map of railroad yards of A.T. and St. F. Number, 1 9, undated 9 drawings
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Tube 10, Map-rolled 3B	Plan of Detroit and Windsor Yards, Number, 1, undated
Tube 10, Map-rolled 3B	Profile of bridge location, Number, 8, undated
Map-folder 15	Stress diagram for truss, Number, 17, 18, undated
Map-folder 15	Profile of Michigan Central Railroad, Number, 7, undated
Tube 10, Map-rolled 3B	Detroit River Tunnel profile, Number, 7-9, undated 3 drawings
Map-folder 15	Detroit Tunnel shafts, Number, 6, undated
Map-folder 15	Outline plan Windsor, Number, 4, undated
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Tube 10, Map-rolled 4B	Nebraska City Bridge, 325' foot deck span, Number 11
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Map-folder 41	Eastern Railroad piers superstructure, Number, 1 22, undated
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Map-folder 42	Structural, Number, 1 8, undated
Map-folder 43	Kansas City Bridge structural, approach and draw span, Number, 5 11, undated 7 drawings
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Map-folder 44	Superstructure St. Johns River Bridge, Number, 5 16, 18 35, undated 30 drawings
Map-folder 44	Approaches connected with S.F. and W. Railway, Number, 37 58, undated 22 drawings
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Map-folder 54	Alignment for approaches, Number, 17, undated
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