



Smithsonian
National Museum of American History
Kenneth E. Behring Center

Guide to the Henry Grattan Tyrrell and Mary Maude Knox Tyrrell Papers

NMAH.AC.0948

Sarah Hedlund

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Henry Grattan Tyrrell and Mary Maude Knox Tyrrell Papers
Identifier:	NMAH.AC.0948
Date:	1886-1941
Extent:	2.3 Cubic feet (11 boxes, 1 oversize folder)
Creator:	Tyrrell, Henry Grattan, 1867-1948 National Museum of American History (U.S.). Division of History of Technology Tyrrell, Mary Maude Knox National Museum of American History (U.S.). Division of Mechanical and Civil Engineering National Museum of American History (U.S.). Division of Work and Industry
Language:	Collection is in English. Some correspondence in German.
Summary:	Manuscripts, correspondence, business records, newspaper clippings and scrapbooks documenting the career of Henry Grattan Tyrrell, an early-twentieth-century civil engineer and bridge builder who was also a prolific self-published author of hundreds of journal articles and several books. Subjects include aesthetic bridge design, history of bridges, design of movable bridges, and the economical design of factories, shops, and mill buildings.

Administrative Information

Acquisition Information

Collection donated by Grattan Tyrrell. Exact date of acquisition unknown.

Provenance

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

Processing Information

Collection was processed by Sarah Hedlund, intern, August 2016.

Preferred Citation

Henry Grattan Tyrrell and Mary Maude Knox Tyrrell Papers, Archives Center, National Museum of American History

Restrictions

Collection is open for research.

Conditions Governing Use

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Biographical / Historical

Henry Grattan Tyrrell (1867-1948) was born in Weston, Ontario, Canada and was educated at the University of Toronto School of Practical Science as a civil engineer specializing in bridge architecture and design. He worked for several architectural companies, including the Boston Bridge Company (Massachusetts), the Brackett Bridge Company (Ohio), as well as his own businesses the American Estimating Company, and Grattan Tyrrell & Co. His brief career as an engineer was superceded by his prolific career as a writer of both journal articles and books on the aesthetics of bridge design and practical designs for factories and mill houses.

The son of an avid outdoorsman and explorer, his early writings are about the Canadian wilderness. By the turn of the century, his writing focused on architectural engineering, specifically the design of bridges. Tyrrell was well-traveled and wrote at length about the beauty of a well-designed bridge, like those he had seen all over the world. He suggested that America's cities (Chicago, Seattle, Milwaukee and Cleveland), build attractive bridges, which, he argued, could also be economical. His books *History of Bridge Engineering* (1911) and *Artistic Bridge Design* (1912) spoke to these issues. He expanded his love of aesthetics to buildings as well, advocating for the economical and practical design of factory buildings and floors, as well as mill houses and shops (*Mill Buildings*, 1911; *Engineering of Shops and Factories*, 1912). His last (possibly unpublished) book, *Movable Bridges* (1921), explored the design of drawbridges, vertical lift bridges and suspension bridges. His wife, Mary Maude Knox Tyrrell, co-authored and illustrated many of the books.

Tyrrell was an avid self-promoter, writing reviews of his own books, including contents and endorsements of his achievements, and selling them in pamphlet form. He was a frequent contributor to many engineering journals, such as *Canadian Engineer*, *Builders' Magazine*, *Engineering News*, and *The Engineering Magazine*. His prolific writings on the subjects of bridge engineering and aesthetics are a lasting legacy of early-twentieth century ingenuity.

Scope and Contents

This collection contains typed manuscripts, correspondence, drawings, and business records written by and relating to Henry Grattan Tyrrell, civil engineer, bridge builder and prolific self-published author on the subjects of bridge engineering, aesthetics and history of bridge design, and the economical design of factories, shops and mill buildings.

The bulk of the collection consists of drafts and submission copies of his numerous published journal articles as well as early manuscripts of several of his books. Also included are two scrapbooks compiled by Tyrrell, containing many of his published articles, pamphlets, and letters to editors of engineering-related publications, as well as advertising material for both his engineering businesses and his books. There are many newspaper clippings related to projects Tyrrell worked on or expressed interest in,

documentation of claims he brought against various companies for infringement or failure to pay, lists of his works, compilations of critical praise and personal endorsements, and general material relating to his experiences in publishing.

The collection presents a specific view of the trends and innovations in engineering at the beginning of the twentieth century, particularly focusing on bridges of all types and materials, as well as an early example of self-employment and self-promotion. It may be of interest to researchers in the areas of bridge and factory design in the late nineteenth and early twentieth century, historical engineering publications, and the history of bridge building in the United States and Canada.

Arrangement

This collection is divided into seven (7) series:

Series 1: Personal, 1886; 1920s-1930s; undated

Series 2: Correspondence, 1895-1901; 1907; 1911-1917; 1928-1929; 1931-1941

Series 3: Business Records, 1899-1937

Subseries 3.1: Engineering, 1899; 1902; 1905; 1917-1919; 1923; 1935

Subseries 3.2: Publishing, 1900-1920

Subseries 3.3: Legal/Financial, 1901-1902; 1907-1908; 1914-1915; 1920-1932; 1937

Series 4: Proposals, Drawings and Sketches, 1900-1908; 1920-1921; undated

Series 5: Publications, 1886; 1900-1905; 1909-1916

Subseries 5.1: Books, 1911-1913; 1920-1921

Subseries 5.2 Articles, 1886; 1900-1905; 1909-1916; 1920

Subseries 5.3 Article drafts/submission copies, 1900-1905; 1912-1915; 1920

Series 6: Press Clippings, 1900-1921

Series 7: Scrapbooks, 1901-1920

Names and Subject Terms

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

Subjects:

- Bridges
- Factories
- Mill buildings
- Mills
- Tunnels

Types of Materials:

Advertisements
Correspondence
Manuscripts
Publications
Scrapbooks

Names:

National Museum of American History (U.S.). Division of History of Technology
National Museum of American History (U.S.). Division of Mechanical and Civil Engineering
National Museum of American History (U.S.). Division of Work and Industry

Container Listing

Series 1: Personal, 1886, circa 1920s-1930s, undated

This series contains a variety of materials that are more related to Tyrrell's personal life rather than his engineering or publishing activities. Included are a pocket diary, a survey form he created to research his family history, a photo, and miscellaneous pamphlets and writings he collected.

Box 1, Folder 1	Pocket diary, 1886
Box 1, Folder 2	Family History and Genealogy of Tyrrell, Terrell, Turrell, (blank survey forms), undated
Box 1, Folder 3	Miscellaneous notes and writings, undated
Box 1, Folder 4	Photograph: "LNE in England,", 1920s
Box 1, Folder 5	Miscellaneous pamphlets, 1920, circa 1930s

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Series 2: Correspondence, 1928-1929, 1911-1917, 1907, 1895-1901, 1931-1941

This is a series of correspondence, both addressed to Tyrrell from various contacts, as well as copies of letters he sent himself. Most of the correspondence is related to his engineering design and consulting work, such as his three-year relationship with and eventual termination from the Boston Bridge Company, and several design proposals submitted to general contractors. There is an exchange with a German engineering journal about one of his articles, as well as a reply to one of his book reviews.

Box 1, Folder 6	From E.L. Tyrrell, 1895 April 20
Box 1, Folder 7	Employment with Boston Bridge Works, 1897-1900
Box 1, Folder 8	Telegraph cable exchange re: floating dock, Copenhagen, 1901 March-April
Box 1, Folder 9	Plans for San Gabriel River Bridge, 1907 September 4
Box 1, Folder 10	From German journal <i>Tonindustrie-Seitung</i> , 1911 June 29
Box 1, Folder 11	Lewis M. Haupt, 1912 November
Box 1, Folder 12	Reply to book review: <i>Engineering of Shops and Factories</i> , 1913
Box 1, Folder 13	To Mobile and Ohio Railroad Company, re: bridge over Ohio River, 1914 July 5
Box 1, Folder 14	From Paul J. Pelz, architect, 1912-1915
Box 1, Folder 15	Proposal for bridge or tunnel across Detroit River, 1917
Box 1, Folder 16	Kenneth Conn: Alumni Federation, University of Toronto, 1928
Box 1, Folder 17	Financial Correspondence, 1929
Box 1, Folder 18	Miscellaneous, 1931-1941
Box 1, Folder 19	Drafts of letter (recipient unknown), undated

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Series 3: Business Records, 1899-1937

This series contains records of Tyrrell's career as both an engineer and a writer. His engineering records consist of employment and reference letters, lists of his engagements and the structures he designed, and many examples of advertisements (pamphlets, cards, announcements) created for his services as engineer in the multiple companies he worked for or founded. His publishing records include multiple copies of book reviews, personal endorsements, publicity material (advertising pamphlets, order forms, flyers), printing costs/profits/royalties for his books, and proof of copyright on his books from the Library of Congress. Legal and financial records mostly consist of legal claims filed against one publisher and several firms for which he did contract work, for breach of contract or lack of payment, as well as many returned (bad) checks from his time with the American Estimating Co.

Subseries 3.1: Engineering, 1899, 1902, 1905, 1923, 1917-1919, 1935

Box 1, Folder 20	Rules for Application: plans for a bridge (War Department), 1899 July 1
Box 1, Folder 21	Audit of business files, 1905
Box 1, Folder 22	Letters of personal reference, 1902, 1917, 1919, 1923
Box 1, Folder 23	Letters of employment verification, 1918-1919
Box 1, Folder 24	Electrical Contractors Service: sample estimate, 1935 August 6
Box 1, Folder 25	List of bridges by type and location, including specifications, undated
Box 1, Folder 26	List of professional engagements/structures built, undated
Box 1, Folder 27	"A Partial List of Structures designed by Henry Grattan Tyrrell", undated
Box 1, Folder 28	Grattan Tyrrell Co. letterhead (blank), undated
Box 1, Folder 29	Advertising material, various companies where Tyrrell worked, undated

Subseries 3.2: Publishing, 1900-1920

Box 1, Folder 30	List of photographs for books; correspondence requesting them, 1900-1909
Box 1, Folder 31	Book reviews, 1909-1911
Box 1, Folder 32	Copyright fees (receipt cards), Library of Congress, 1909-1912
Box 1, Folder 33	Receipts from libraries worldwide, acknowledging donations of Tyrrell's books, 1911-1914, 1920
Box 1, Folder 34	Publicity material for books, including ads and testimonials, circa 1912-1915

- Box 1, Folder 35 "Index of Journalistic Writings of Henry Grattan Tyrrell", circa 1913
- Box 1, Folder 36 Publishing cost estimates, projected profits, book sales, royalties, circa 1914-1920
- Box 9, Folder 2 Proofs of advertising pamphlets (books), circa 1915
- Box 1, Folder 37 Reviews/personal endorsements for books and articles, undated

Subseries 3.3: Legal/Financial, 1920-1932, 1914-1915, 1937, 1907-1908, 1901-1902

- Box 2, Folder 1 Disputes over credit given in *Mill Building Construction*, 1901-1902
- Box 2, Folder 2 *Tyrrell vs. J.C. Robinson and Son*, 1907-1908
- Box 2, Folder 3 *Tyrrell vs. Lake Superior Power Co./Algoma Central Railway*, 1908 November 27
- Box 2, Folder 4 Clark Publishing: contract, report of interviews with witnesses, list of violations of contract, 1914-1915
- Box 2, Folder 5 *Tyrrell vs. Gibson, et al*, 1920 April 20
- Box 2, Folder 6 *Tyrrell vs. Mitchell & Co.*, 1921
- Box 2, Folder 7 Camp Hill incident, 1922
- Box 2, Folder 8 Protested/returned checks, 1925-1927, 1929
- Box 2, Folder 9 Protested/returned checks, 1937, 1930-1932, undated

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Series 4: Proposals, drawings, and sketches, 1920-1921, circa 1900-1908, undated

This series contains contract proposals for several engineering projects, as well as images of Tyrrell's bridge designs in the form of pencil sketches, photo reproductions, postcards, catalog illustrations, and drawings. Also included is a blueprint of his hand-traveling crane and a large colored drawing of an ideal design layout for the buildings of a mill factory.

Box 2, Folder 10	Suspension foot bridge, Easton, Pennsylvania, circa 1900, undated
Box 2, Folder 11	Algoma Central and Hudson Bay Railway Co., Sault St. Marie, Ontario, circa 1907-1908, undated
Box 2, Folder 12	Lake Superior Power Co.: Head Gates, Canal No. 2, circa 1907-1908, undated
Box 2, Folder 13	Norfolk-Portsmouth tunnel/bridge: agreement, contract, correspondence, 1920-1921
Box 2, Folder 14	Reproductions of bridge photos, undated
Box 2, Folder 15	Pencil sketch (unidentified), undated
Box 2, Folder 16	Pencil drawings: bridges, undated
Box 2, Folder 17	Postcards of bridges, undated
Box 2, Folder 18	Hell Gate Bridge, Long Islan, New York: small painting, undated
Box 2, Folder 19	Medieval bridges, undated
Box 9, Folder 3	Reproductions of Tyrrell bridges and designs, undated
Map-folder 1	Standard Hand-Traveling Crane (blueprint), undated <i>1 Blueprint (19 in x 27 1/2 in)</i>
Map-folder 1	Drawing (colored) of a design for a modern mill plant, featured on page 4 of <i>Design of Mill Buildings</i> , 1911 <i>1 Drawing (19 in x 21 in)</i>

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Series 5: Publications, 1920, 1909-1916, 1900-1905, 1886, undated

The largest portion of the collection, this series contains copies of Tyrrell's writings in many forms. Included are full and partial manuscripts of up to nine of his books, including extensive edits and notes throughout. Also included are copies of his numerous journal publications, both in final published form (excerpts from journals or reprints) and also in typed draft/manuscript form, in many cases with edits and notes in multiple drafts. There are more than fifty articles represented in the collection; about half represented in both draft and published form.

Subseries 5.1: Books, 1911-1913, 1920-1921, undated

Box 2, Folder 20	<i>Biographical Sketch of Henry Grattan Tyrrell</i> (draft), circa 1913
Box 2, Folder 21	Book review of <i>Biographical Sketch</i> , reprinted from Applied Science, 1921
Box 2, Folder 22	Outline of <i>The Professional Works of Henry Grattan Tyrrell</i> , circa 1921
Box 3, Folder 1	<i>Artistic Bridge Design</i> : draft with substantial edits, undated
Box 3, Folder 2	<i>History of Bridge Engineering</i> ("all rewritten 1911"), undated
Box 3, Folder 3	<i>Bridge Engineering</i> (old manuscript), undated
Box 3, Folder 4	Proposed contents for <i>Bridge and Structural Manual/Manual of Bridge and Structural Engineering</i> , undated
Box 3, Folder 5	<i>The Design of Masonry Arch Bridges</i> (draft), undated
Box 3, Folder 6	<i>History of Bridge Building</i> (text, interspersed with blueprints), undated
Box 3, Folder 7	<i>Mill Buildings and Other Industrial Plants</i> (draft), 1911
Box 4, Folder 1	<i>Industrial Engineering, or the Building of Shops and Factories</i> (draft: copy 1, part 1), 1912
Box 4, Folder 2	<i>Industrial Engineering, or the Building of Shops and Factories</i> (draft: copy 1, part 2), 1912
Box 4, Folder 3	<i>Industrial Engineering, or the Building of Shops and Factories</i> (draft: copy 2, part 1), 1912
Box 4, Folder 4	<i>Industrial Engineering, or the Building of Shops and Factories</i> (draft: copy 2, part 2), 1912
Box 4, Folder 5	<i>Preliminary Considerations in the Design of Opening Bridges</i> (partial draft: <i>Movable Bridges</i>), 1913

- Box 4, Folder 6 Miscellaneous displaced pages from drafts, undated
- Box 5, Folder 1 *Movable Bridges*: complete draft with notes, edits, and sketches, 1921
- Subseries 5.2: Articles, 1909-1916, 1920, 1886, 1900-1905, undated
- Box 5, Folder 2 Pamphlet: "Exploration on the Battle River," reprinted from the *Journal of the Engineering Society of Toronto University*, 1886
- Box 5, Folder 3 "A Drawbridge Gate:" *Railroad Gazette*, 1900 May 25
- Box 5, Folder 4 "The Weights of American Bridges:" *Engineering*, 1900 June 8
- Box 9, Folder 4 *Engineering News* (several articles), 1900-1901
- Box 9, Folder 5 Miscellaneous Journal Articles, 1901
- Box 5, Folder 5 "A Summer in Algoma:" *National Sportsman*, 1901
- Box 5, Folder 6 "A Summer in Algoma" (portion): *The Northwest Magazine*, undated
- Box 5, Folder 7 "Madison Park Bridge:" *Felden's Magazine*, 1901
- Box 5, Folder 8 "Peculiarities of Indian Ponies:" *Northwest Magazine*, 1901
- Box 5, Folder 9 "Diagrams of Weights of Deck and Through Plate Girder Highway Bridges:" *Engineering News*, 1901 February 22
- Box 5, Folder 10 "Steel Market Buildings for Tropical Countries:" *Architects' and Builders' Magazine*, 1901 July
- Box 5, Folder 11 "Steel Armory Roofs:" *Architects' and Builders' Magazine*, 1901 October
- Box 5, Folder 11 "Comparative Cost of Wood and Steel Frame Factory Buildings:" *The Canadian Engineer*, 1904 October
- Box 5, Folder 12 "The Worlds' Longest Truss Span:" *The Canadian Engineer*, 1904 November
- Box 5, Folder 13 Pamphlet: "The Elizabethtown Bridge over the Miami River (the Longest Simple-Truss Span)", 1904
- Box 9, Folder 6 Miscellaneous Journal Articles, 1904-1905

- Box 5, Folder 14 "Coal Mine Tipples:" *The Engineering and Mining Journal*, 1905 February 2
- Box 5, Folder 15 "Comparative Cost of Wood and Steel Frame Factory Buildings:" *Carpentry and Building*, 1905 November
- Box 9, Folder 7 Miscellaneous Journal Articles, 1914, 1916, 1909, 1920
- Box 9, Folder 7 Engineering of Shops and Factories, 1912 - 1912
- Box 5, Folder 16 Pamphlet: "The Evolution of Vertical Lift Bridges:" *University of Toronto Engineering Society*, 1912
- Box 5, Folder 17 Pamphlet: "Transporter Bridges," reprinted from the *University of Toronto Engineering Society*, 1912
- Box 5, Folder 18 "Floor and Floor Construction for Manufacturing Plants:" *The Engineering Magazine*, 1912 July-August
- Box 5, Folder 19 "Lift Bridges of Milwaukee:" *Municipal Engineering*, 1913 July
- Box 5, Folder 20 "Partitions for Factories and Industrial Buildings:" *The Engineering Magazine*, 1913 September
- Box 5, Folder 21 Pamphlet: "An Irish Channel Railway," printed in *Popular Science*, 1913 October
- Box 5, Folder 22 "Educational Essentials for Bridge Engineers," reprinted from the *Bulletin of the Society for the Promotion of Engineering Education*, 1913 November 9
- Box 5, Folder 23 "The Esthetic Treatment of City Bridges:" *The American City*, 1913 November
- Box 5, Folder 24 "Bridges in Relation to the City Plan," reprint from *Bridgeman's Magazine*, 1913 December
- Box 5, Folder 25 Pamphlet: "A Tube to Ireland: a Remedy for Ireland's Unrest", circa 1913
- Box 5, Folder 25 "A Plea for Beautiful Bridges:" Oregon Society of Engineers, 1914 December 11
- Box 5, Folder 26 "The Bridges of Cleveland," reprinted from the *Ohio Architect, Engineer and Builder*, undated
- Box 5, Folder 27 "Bridges in Relation to the City Plan:" *The Architect and Engineer*, undated
- Box 5, Folder 28 *Municipal Journal and Engineer* (several undated articles), undated

Subseries 5.3: Article drafts, submission copies, 1900-1905, 1912-1914, 1920, undated

- Box 6, Folder 1 "An Extraordinary Suspension Bridge" (Easton, Pennsylvania), circa 1900
- Box 6, Folder 2 "Interlocking Mechanically Operated Draw Bridge Gate", circa 1900
- Box 6, Folder 3 "Original Formulas for the Weight of Bridges", circa 1901
- Box 6, Folder 4 "Weight of Steel in Bridges for Electric Railways", circa 1901
- Box 6, Folder 5 "American Export Trade in Steel Buildings", circa 1901
- Box 6, Folder 6 "Steel Coal Storage Pockets", circa 1901
- Box 6, Folder 7 "The Sanitary Drainage of Houses and Towns", circa 1901
- Box 6, Folder 8 "Coal-Hoisting Towers", circa 1901
- Box 6, Folder 9 "Estimating Structural Work and Bridges", circa 1903-1905
- Box 6, Folder 10 "Comparative Cost of Wood and Steel Frame Factory Buildings", circa 1904
- Box 6, Folder 11 "Economic Length of Trestle Spans", circa 1904
- Box 6, Folder 12 "Highway Bridge Across the Miami River (the Longest Single-Truss Span) at Elizabethtown, Ohio", circa 1904
- Box 6, Folder 13 "An Address before the Canadian club, Cincinnati, Ohio", 1905
- Box 6, Folder 14 "Bridge Office Drafting Rules", circa 1905
- Box 6, Folder 15 "Recent Foot Bridges", circa 1905
- Box 6, Folder 16 "Mine Coal Tipples: Their Design and Cost", circa 1905
- Box 6, Folder 17 "Covered Foot Bridges: Their Design and Cost", circa 1905
- Box 6, Folder 18 "Long Span Concrete Bridges", circa 1912
- Box 6, Folder 19 "Grade Elimination and Bridges", circa 1912
- Box 6, Folder 20 "Solid or Open Spandrels for Concrete Arch Bridges", circa 1912

Box 6, Folder 21 "Suspended Centering for Arch Bridge Erection", circa 1912

Box 6, Folder 22 "Factory Building Partitions", 1913 February 15

Box 6, Folder 23 "Beautiful Bridges for Chicago", 1913 September 13

Box 6, Folder 24 "A Tube to Ireland: A Remedy for Ireland's Unrest", circa 1913

Box 6, Folder 25 "Bridging the Bosphorus", circa 1913

Box 6, Folder 26 "America's Longest Concrete Arch Bridge", circa 1913

Box 6, Folder 27 "Bridges in Relation to the City Plan", circa 1913

Box 6, Folder 28 "Educational Essentials for Bridge Engineers", circa 1913

Box 7, Folder 1 "Floating Tunnels and Submerged Viaducts", circa 1913

Box 7, Folder 2 "Ornamental City Bridges", circa 1913

Box 7, Folder 3 "Ornamental overhead Crossing Bridges", circa 1913

Box 7, Folder 4 Aesthetic Treatment of Bascule Bridges, circa 1913

Box 7, Folder 5 "Shop Transportation Systems", circa 1913

Box 7, Folder 6 "Flood Destruction of Bridges and Railways", circa 1913

Box 7, Folder 7 "The Bridges and City Plan of Cleveland", circa 1913

Box 7, Folder 8 "Bridges of Chicago", circa 1913

Box 7, Folder 9 "The Relation of Bridges to City Planning", circa 1913

Box 7, Folder 10 "An Irish Channel Railway", circa 1913

Box 7, Folder 11 "Vertical Lift Bridges", circa 1913

Box 7, Folder 12 "Early Canadian Bridges", circa 1913

Box 7, Folder 13 "The Aesthetic Value of Municipal Bridges: A Review of Those in Milwaukee", 1914

Box 7, Folder 14	"Beautiful Bridges of Seattle", circa 1914
Box 7, Folder 15	"Memorial Bridge for Washington, D.C.", 1920
Box 7, Folder 16	"American Impressions of the Risorgimento Bridge at Rome", undated
Box 7, Folder 17	"Bridges of Milwaukee", undated
Box 7, Folder 18	"Bridges of Washington, D.C.", undated
Box 7, Folder 19	"Bridge at Westminster, British Columbia", undated
Box 7, Folder 20	"Builders of the Boston Elevated Structure", undated
Box 7, Folder 21	"The Charleston Bridge Failure", undated
Box 7, Folder 22	"Power House for the Toledo Urban and Interurban Railway Co.", undated
Box 7, Folder 23	"Power House for the Canadian Interstate Railway Co.", undated
Box 7, Folder 24	"Suspension Bridge Over the Avon at Clifton Near Bristol, England", undated
Box 7, Folder 25	"European and American Bridges: Some Possibilities in Aesthetic Construction", undated
Box 7, Folder 26	"Evanston Track Elevation", undated
Box 7, Folder 27	"An Electrically Operated Highway Drawbridge for Small Waterways", undated
Box 7, Folder 28	"Concrete Bridges with Spans Exceeding 200 Feet", undated
Box 7, Folder 29	"Rules for the Beautifying of Highway Bridges", undated
Box 7, Folder 30	[untitled essay on bridge building], undated
Box 7, Folder 31	"Weight of Steel Railroad Bridges: Coopers Specification", undated
Box 7, Folder 32	"Cost of Reinforced Concrete Factory Buildings Compared with Steel Construction", undated
Box 8, Folder 1	"Tyrrell's New Design for Shop Cranes", undated

- Box 8, Folder 2 "Repairing Reinforced Concrete Arches", undated
- Box 8, Folder 3 "Economic Panel Lengths fo Long Open Highway Bridges", undated
- Box 8, Folder 4 "Electric Lighted Domes for Amusement Parks, undated

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Series 5: Press Clippings, 1900-1920

This series contains newspaper clippings saved by Tyrrell and/or his wife, Mary, relating both to his own projects and information about bridges or engineering news worldwide. There is extensive coverage in particular of the lengthy process of proposing, approving and building a bridge/tunnel from Norfolk to Portsmouth (Virginia) as well as the collapse of the Quebec Bridge in 1916.

Box 8, Folder 5	Miscellaneous newspaper clippings, circa 1900-1920
Box 8, Folder 6	Cincinnati Canadian Club/Canadian Club, 1905
Box 8, Folder 7	Quebec Bridge Disaster: <i>The Canadian Engineer</i> , 1916 September 14
Box 8, Folder 8	"New Plant of the Naumkeag Steam Cotton Co.," contributed by Lockwood, Greene & Co., Boston: <i>Engineering and Contracting</i> , 1916 September 27
Box 8, Folder 9	Newspaper articles re: the collapse of the Quebec Bridge, 1916-1917
Box 8, Folder 10	Tyrrell's notes on a job posting, 1920 August 26
Box 8, Folder 11	Newspaper articles re: Norfolk-Portsmouth bridge/tunnel, Elizabeth River, 1920-1921
Box 8, Folder 12	Norfolk vehicular ferry rates, 1921 May 15
Box 8, Folder 13	"The Story of a Builder of Marvelous Bridges," by Samuel Crother, re: Gustav Lindenthal, undated

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Series 6: Scrapbooks, 1901-1921

This series contain two scrapbooks, presumably assembled by Tyrrell and/or his wife, containing journal articles, newspaper clippings, and promotional/ advertising materials. Much of the material is duplicated elsewhere in the collection, but there are unique items within these scrapbooks

- Box 10 Scrapbook , 1901-1920
 1 *Scrapbook (10 in x 13 in)*
 Contains newspaper clippings, journal publications, pamphlets, promotional material for books and business cards/letterhead/advertising for Tyrrell as engineer and consulting engineer.
- Box 11 Scrapbook, 1909-1920
 1 *Scrapbook (11 in x 17 in)*
 Contains newspaper clippings, journal publications, pamphlets, promotional material for books and business cards/letterhead/advertising for Tyrrell as engineer and consulting engineer.

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