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Books

Additional Resources in MSEL Thomas Telford and Menai Bridge

Title: Thomas Telford, father of civil engineering
Author: Keith Ellis.

MSEL Call Number Eisenhower Stacks TA140.T4 E34 1974

Title: The story of Telford; the rise of civil engineering.
Author: Gibb, Alexander, Sir, 1872.

MSEL Call Number Libraries Service Center TA140.T4 G5 1935

Tips on finding these and more books on structures in the MSEL.

<http://www.library.jhu.edu/researchhelp/engr/structures/books.html>

Journal Articles

Title: Telford: an engineer's analysis of his bridges and aqueducts / R.J.M. Sutherland.

In: Architectural review 1953 Dec., v. 114, p. 388-394.

MSEL Call Number Gilman Stacks NA1.A75

Database: Avery Index to Architecture

Title: Early works of Thomas Telford, Engineer Authors: Baker, J.F. Armitage, J.

In: Civil Engineering (New York)

Volume: v 6 Issue: n 11 Nov 1936

Pages: 727-731

Abstract: Account of activities of first 36 yr of Telford's life, from 1757 to 1793.

MSEL Call Number Libraries Service Center TA1.C59

Database: Compendex

Title: Menai suspension bridge Authors: Baker, J.F.; Armitage, J.

In: Civil Engineering (New York)

Volume: v 7 Issue: n 4 Apr 1937

Pages: 277-281

Abstract: Review of Thomas Telford's contributions to design and construction of suspension bridges as exemplified principally by Menai Bridge completed in 1826; building Conway Bridge; bridge proposed at Runcorn; design for suspended centering.

MSEL Call Number Libraries Service Center TA1.C59

Database: Compendex

Title: BRIDGE DESIGN AND REGIONAL ESTHETICS Authors: Billington, David P.

In ASCE J Struct Div

Volume: v 107 Issue: n 3 Mar 1981

Pages: 473-486

Abstract: Leading bridge designers have developed individual styles within limited locales, and those styles demonstrate similarities in personal esthetic ideas. An examination of the works of six major bridge designers characterizes these ideas and illustrates the striking fact that in each case these designers have done nearly all their major work in one well-defined region of a remarkably

small area. The six bridge designers are: Thomas Telford (1757-1834), John Roebling (1806-1869), Gustave Eiffel (1832-1923), Robert Maillart (1872-1940), Othmar Amman (1879-1965), and Christian Menn (born in 1927). Their bridges are at least as good as, and probably better than, any of their time; there is a definite connection between the high quality of their work and its restriction to a small well-defined geographic region. Their works illustrate a series of individual styles that spring from local conditions rather than an international style.

MSEL Call Number Libraries Service Center TA1.A49 ST
Database: Compendex

Title: Building Bridges: Perspectives On Recent Engineering.

Authors: Billington, David P.

In: Annals of the New York Academy of Sciences

Volume: v 424 May 23 1984

Pages: 309-324

Abstract: John A. Roebling (1806-1869) was a structural engineer and at the same time, an engineering artist; he stands within a 200-year tradition of structural art. Begun with the introduction of industrialized iron during the last quarter of the eighteenth century, this new tradition includes such engineers as Thomas Telford (1757-1834), Gustave Eiffel (1832-1923), Robert Maillart (1872-1940), Othmar Ammann (1879-1965), Eugene Freyssinet (1979-1962), and many contemporary designers such as Ulrich Finsterwalder (b. 1897) and Christian Menn (b. 1927). The goal of this brief review is to define this art form and to show something of its development after the completion of the Brooklyn Bridge.

MSEL Call Number Eisenhower Stacks Q11.N55 no. 424
Database: Compendex

Title: Reconstruction of Menai suspension bridge

In: Engineering

Volume: v 148 n 3857 Dec 15 1939

Pages: 655-657

Abstract: Work of redesigning entrusted to Alexander Gibb; reconstruction carried out by Dorman, Long and Co; work consisted in erection of temporary steel towers, above existing main piers, carrying cables to give partial support to existing bridge floor, and enable old outer chains of bridge to be removed and new chains and anchorages erected.

MSEL Call Number Gilman Stacks TA1.E58
Database: Compendex

Title: Menai suspension bridge Authors: Baker, J.F.; Armitage, J.

In: Civil Engineering (New York)

Volume: v 7 n 4 Apr 1937

Pages: 277-281

Abstract: Review of Thomas Telford's contributions to design and construction of suspension bridges as exemplified principally by Menai Bridge completed in 1826

MSEL Call Number Libraries Service Center TA1.C59
Database: Compendex

Tips for finding these articles and more journal articles like these.

<http://www.library.jhu.edu/researchhelp/engr/structures/journalarticles.html>