

A  
DIRECTORY  
of

American  
Bridge-  
Building  
Companies

1840



1900

VICTOR C. DARNELL

SOCIETY FOR INDUSTRIAL ARCHEOLOGY

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THE SOCIETY FOR INDUSTRIAL ARCHEOLOGY promotes the study of the physical survivals of our industrial heritage. It encourages and sponsors field investigations, research, recording, and the dissemination and exchange of information on all aspects of industrial archeology through publications, meetings, field trips, and other appropriate means. The SIA also seeks to educate the public, public agencies, and owners of sites on the advantages of preserving, through continued or adaptive use, structures and equipment of significance in the history of technology, engineering, and industry. A membership information brochure and a sample copy of the Society's newsletter are available on request.

Society for Industrial Archeology  
Room 5020  
National Museum of American History  
Smithsonian Institution  
Washington, DC 20560



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Cover illustration: 'The above illustration is taken direct from a photograph and shows a square end view of a Parabolic Truss Bridge designed and built by us at Williamsport, Pa. The bridge is built across the Susquehanna River and consists of five spans of 200 ft. each with a roadway 18 ft. wide in the clear. Since the bridge was built a walk has been added on the north side. This is one of the longest iron high way bridges in the State of Pennsylvania and is built after our Patent Parabolic Form.' The bridge was built in 1885 and had a short life, being destroyed by flood in the 1890s. Cut and quote from an advertisement in Electrical World, October 8, 1892. For a detailed history of the Berlin Iron Bridge Company and its products, see 'Lenticular Bridges from East Berlin, Connecticut' by Victor C. Darnell in IA, the journal of the Society for Industrial Archeology, Vol. 5, 1979 and Vol. 7, 1981 (p. 73).

Back cover illustration: the heroic name plaque of Australia's Hawksbury River Bridge (1886-1946), its only surviving fabric. Photograph by D. Fraser, New South Wales.

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## FOREWORD

The Society for Industrial Archeology is pleased to publish this valuable guide prepared by one of its members, Victor C. Darnell. Industrial Archeology is the study of the surviving structures and artifacts of the industrial past. Bridges are among the most significant examples of industrial design, yet there has been little previous research on the American bridge builder of the nineteenth century. With the exception of great builders such as the Roeblings, the men who erected the bridges that linked American communities and regions have remained largely unknown. Mr. Darnell's work goes far to remedy the unfortunate neglect of this important part of American social, business, and technological history.

As industrial archeologists, the members of the Society are concerned with the preservation of the physical record of American industrial development, a record which includes the products of our nation's bridge builders. Mr. Darnell's meticulous documentation will provide essential information for surveys of bridges and for historical investigations of particular structures. Knowledge is a powerful weapon in the continuous fight to save threatened but still functional bridges.

The dissemination of scholarship through publication is one of the services provided by the Society for Industrial Archeology. The Society publishes an annual journal, IA, a quarterly Newsletter, and occasional special publications. Local chapters of this international organization also produce publications of their own. For information about the Society, its activities, and publications please write to SIA, Room 5020, National Museum of American History, Washington, D.C. 20560.

Patrick M. Malone  
Past President, SIA

### THE AUTHOR

Victor Darnell received a Bachelor's degree in Civil Engineering from the Massachusetts Institute of Technology in 1943 and then spent three years in the U.S. Navy assigned to construction and repair of naval vessels. He then joined the Berlin Construction Company, Berlin, Connecticut, retiring in 1977. For much of that period he was Chief Engineer, responsible for most of the major design projects, and had the opportunity to inspect bridges and work with the erection department.

While active in business he also took part in civic organizations and still is a Trustee of the New Britain Museum of American Art where he had been Chairman for nine years. Since retiring, Darnell has intensified his study of the development of bridges in which he combines an interest in history with the training and experience of a professional engineer and steel fabricator. His article Lenticular Bridges from East Berlin, Connecticut appeared in IA, the journal of the SIA, and he contributed to Connecticut-An Inventory of Historic Engineering and Industrial Sites.

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Pittsburgh, Pennsylvania  
  
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