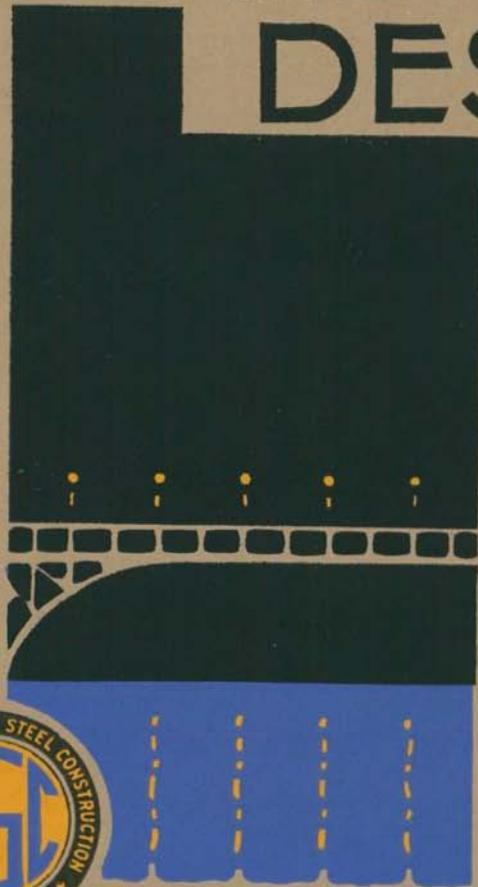
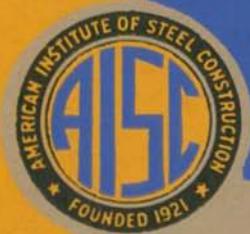


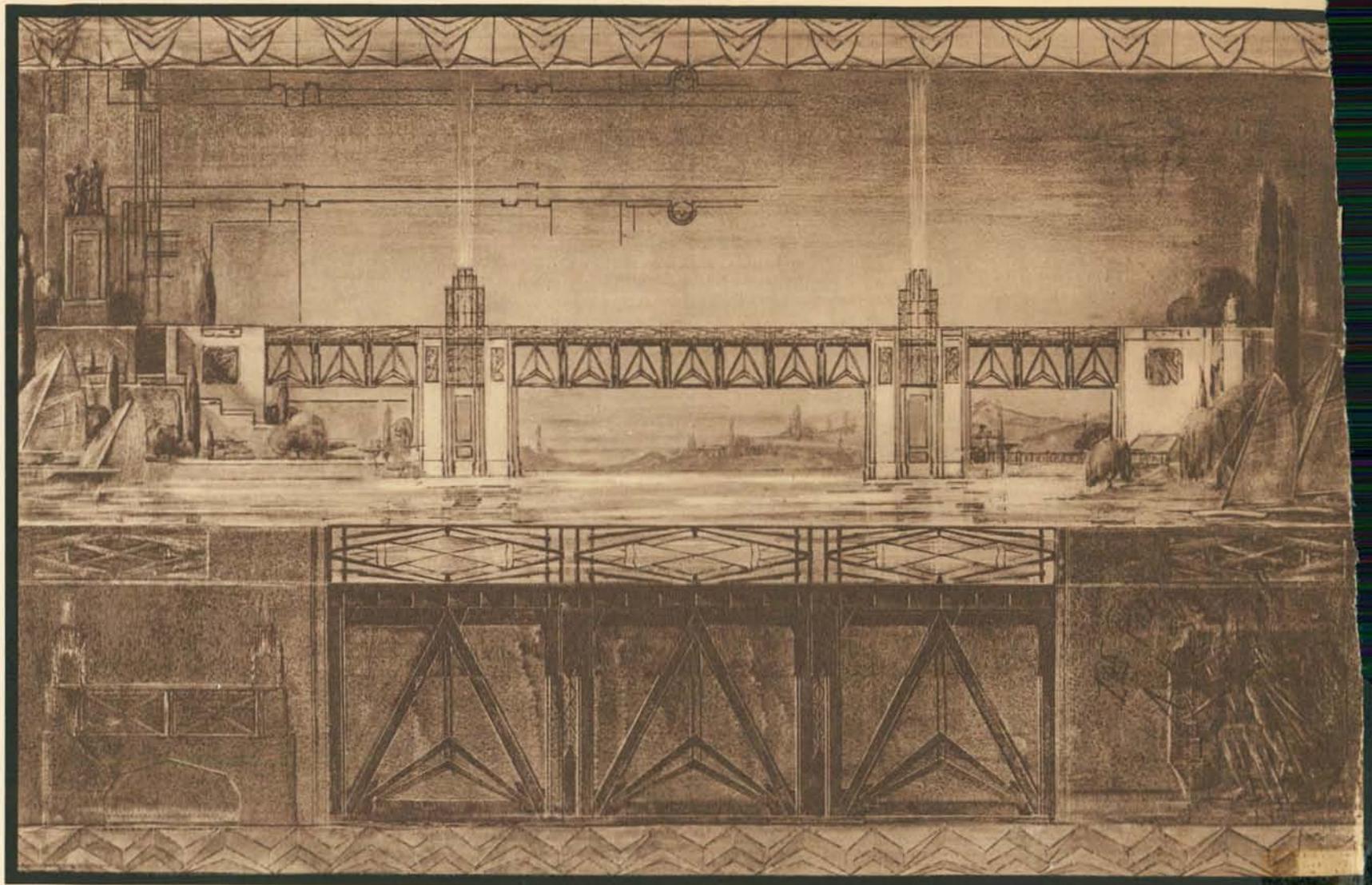
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BRIDGE DESIGNING



A SELECTION OF
DESIGNS FROM THE 1928
STUDENT COMPETITION





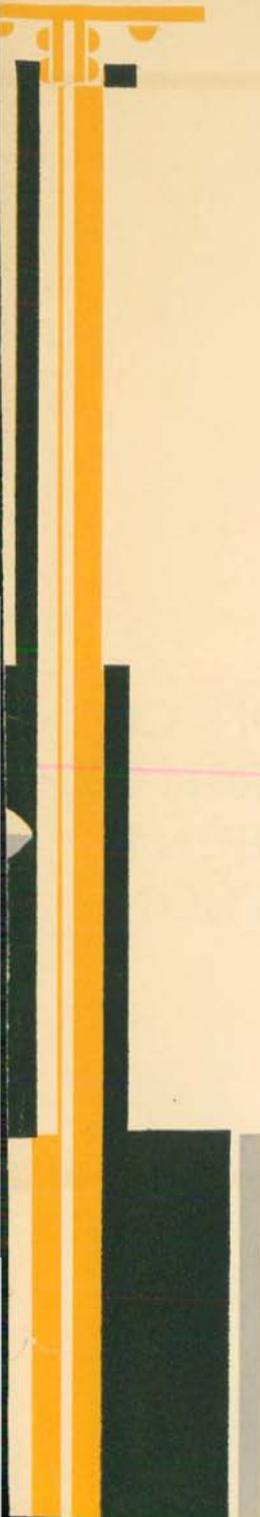
FIRST PRIZE—W. M. Kleinman,
University of Illinois



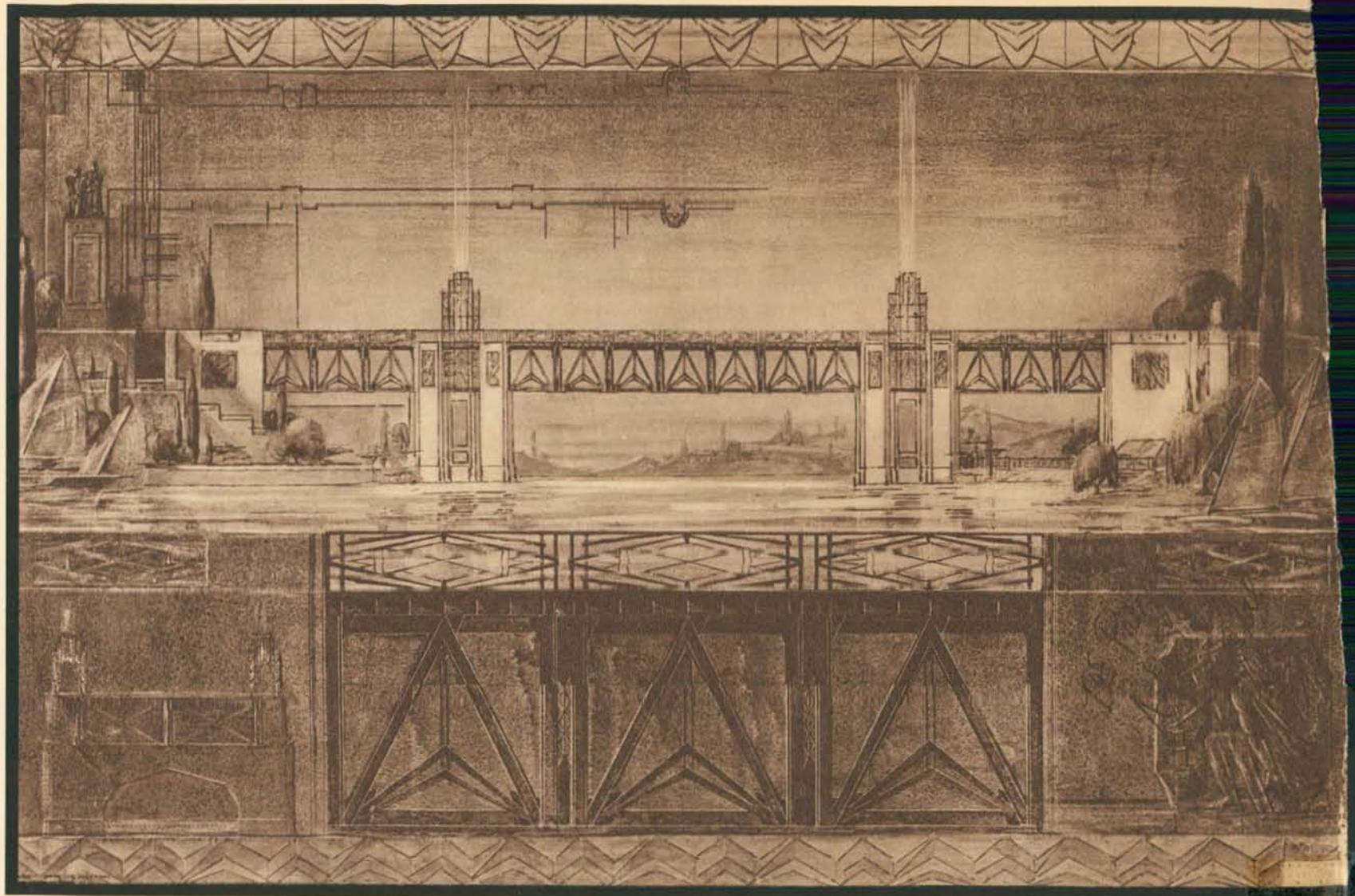
BRIDGE DESIGNING

A SELECTION OF
DESIGNS FROM THE
1928 STUDENT
COMPETITION

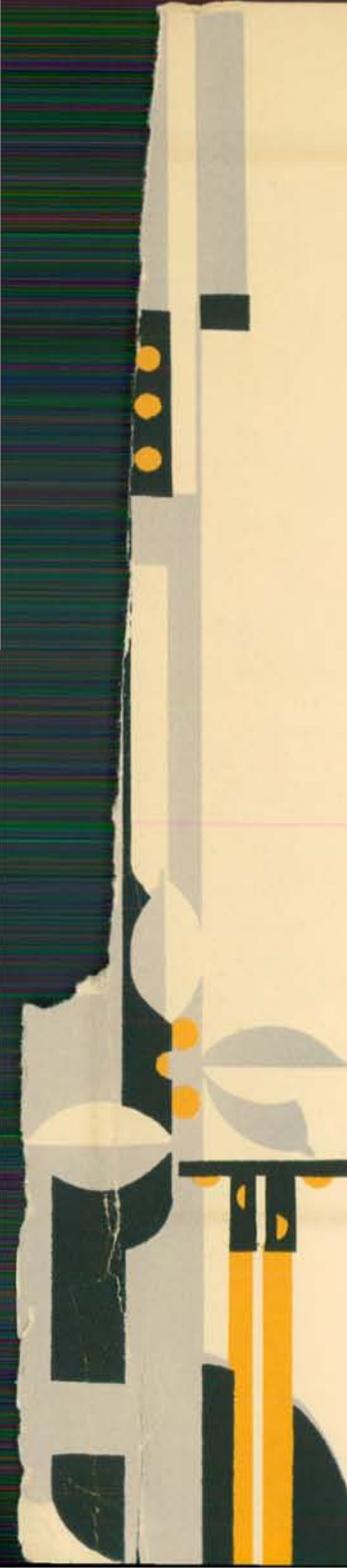
AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
NEW YORK CLEVELAND



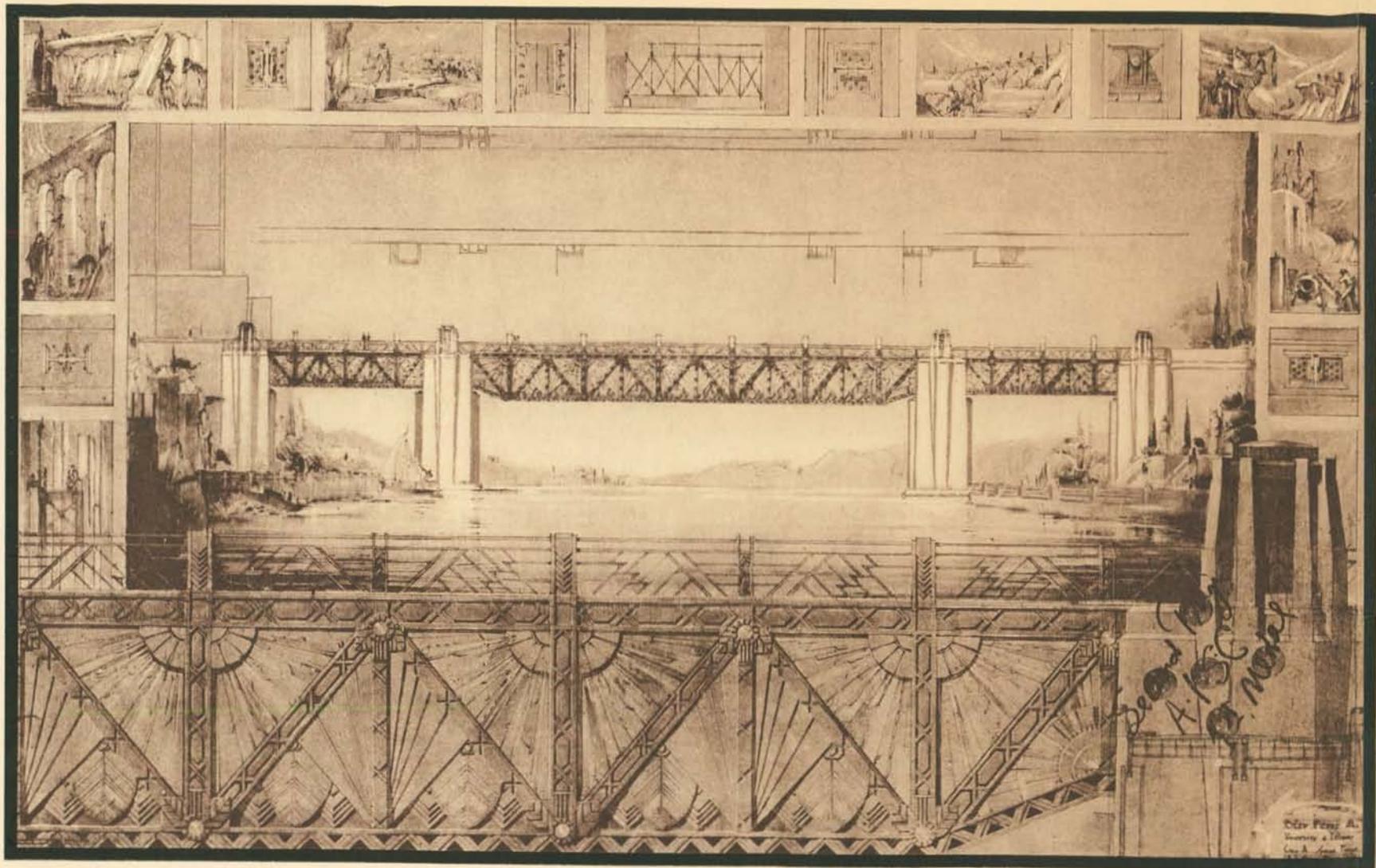
The American Institute of Steel Construction, Inc., presents in this booklet the designs for steel bridges worked out in competition by various architectural students of the United States. Three cash prizes were awarded by the Institute for the solution of a theoretical architectural bridge design as a means of encouraging constructive thought towards the betterment of bridge architecture. The competition was held through the Beaux-Arts Institute of Design, and divided in two stages. Preliminary sketches were made in nine hours.



FIRST PRIZE—W. M. Kleinman,
University of Illinois



There were 57 designs submitted from students in the various architectural schools and ateliers affiliated with the Beaux-Arts Institute. From these ten designs were selected by the jury for final development at a large scale. From these ten three were selected at the final judgment to receive the cash awards posted by the American Institute of Steel Construction, Inc., one being disqualified because the finished rendering pictured a bridge departing materially from the original sketch. Due to their fine craftsmanship others were selected for special mention by the Beaux-Arts Institute of Design.



SECOND PRIZE—A. Bezy,
University of Illinois



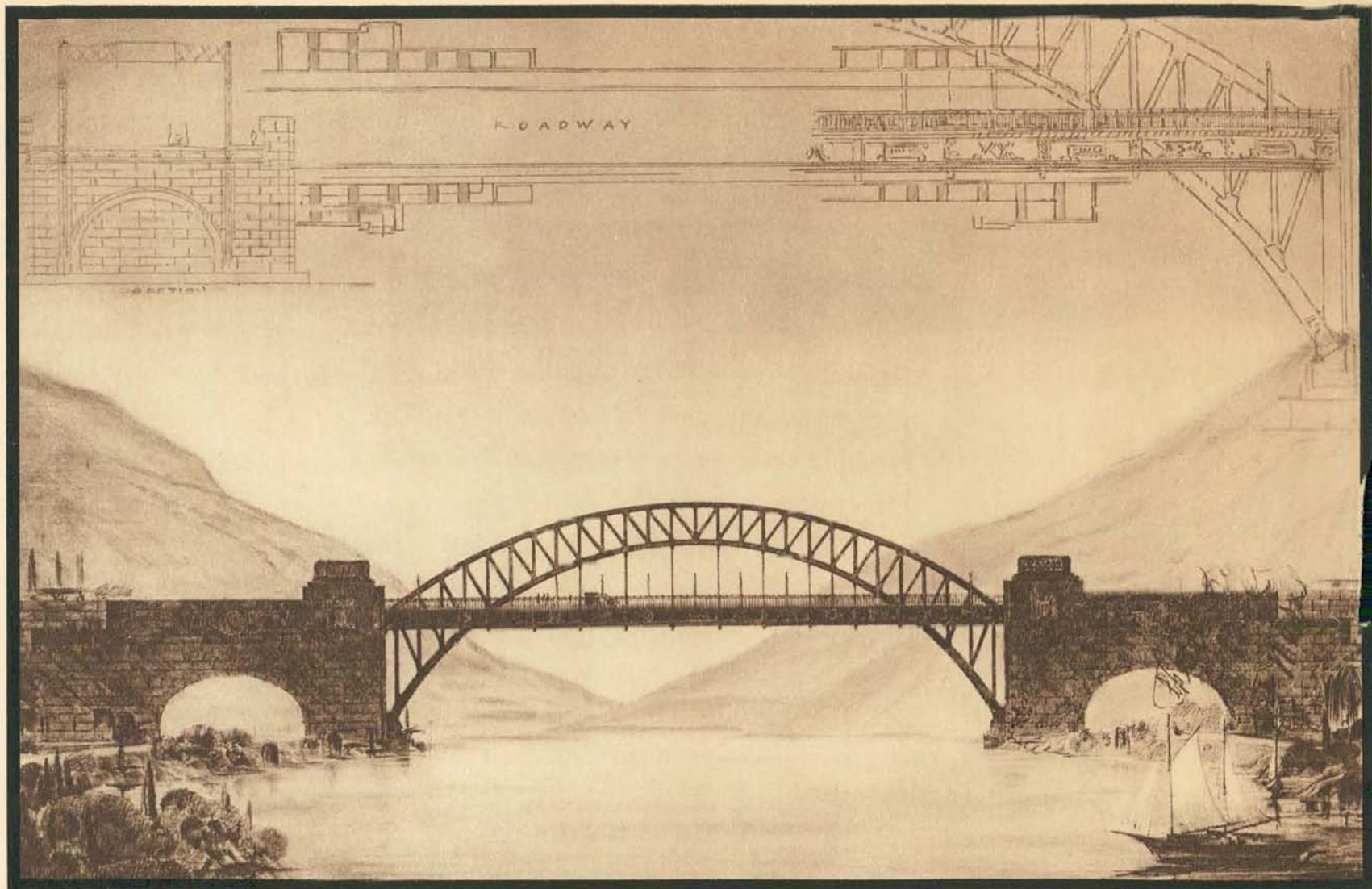
The preliminary exercise was held on May 19, 1929, and the preliminary judgment on May 28. In addition to the ten selected to compete in the final judgment mention was given to the work of

J. F. Malloy, University of Illinois

C. Bierschenk, Yale University

P. Groesse, Yale University

E. M. Jones, Yale University



THIRD PRIZE—W. J. Jensen,
Atelier Hiron



alf-mention was given to the work of

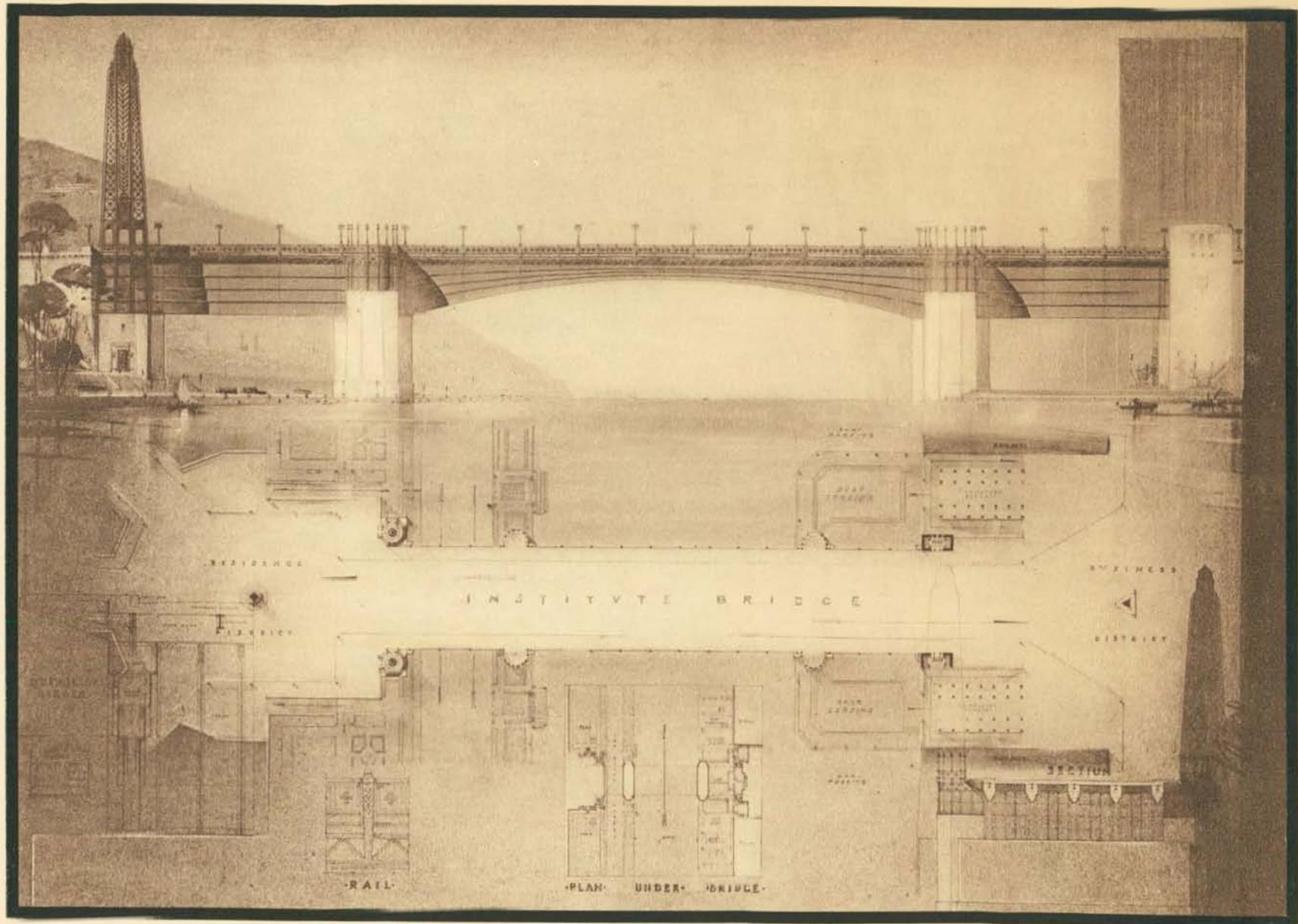
S. C. Russell, Catholic University

H. A. Gnerre, Atelier Morgan

S. Breines, New York University

W. V. Reed, University of Illinois

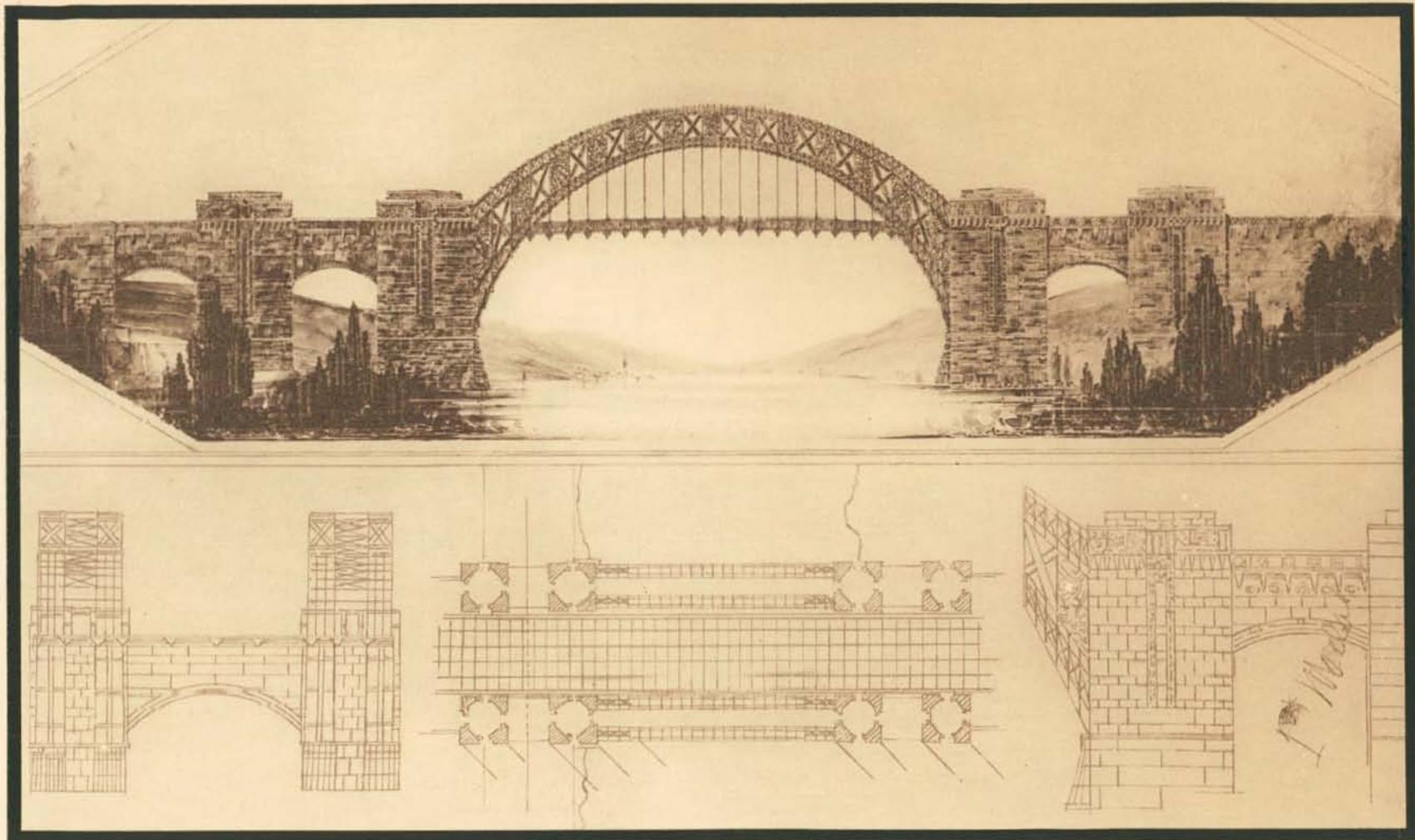
S. J. Potter, Yale University



FIRST MEDAL—R. H. Blatter,
Princeton University



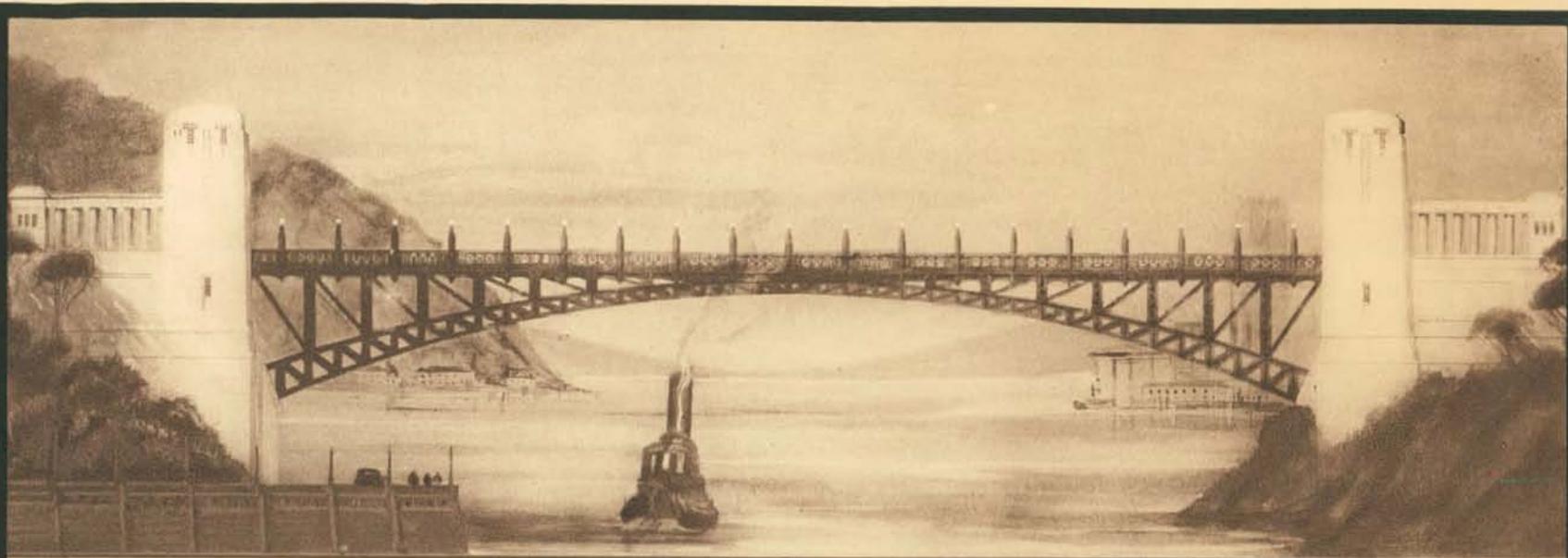
Student designs of steel bridges may not always be practical, yet the contest proves a fact of which the American Institute of Steel Construction, Inc., had but indefinite knowledge. It shows that there is a large field for the aesthetic solution of bridge design.



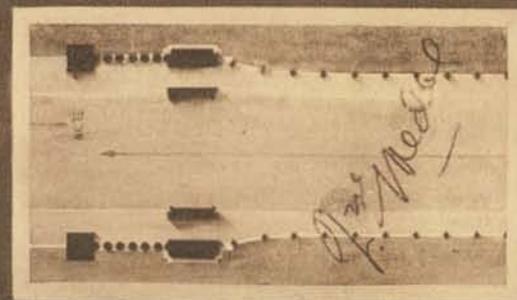
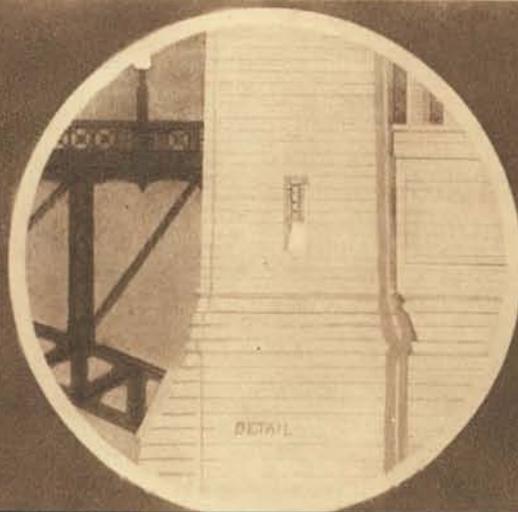
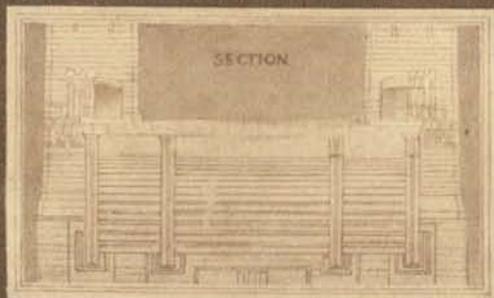
FIRST MEDAL—P. A. Goettlemann,
Catholic University



The drawings submitted in this competition were all by architectural students. While in some cases they obviously lacked a knowledge of fundamental engineering principles, they did not, however, run counter to those principles to any great extent. Furthermore, they have shown imagination and originality. They prove that it is possible to obtain new and beautiful effects with a steel bridge.



A STEEL BRIDGE

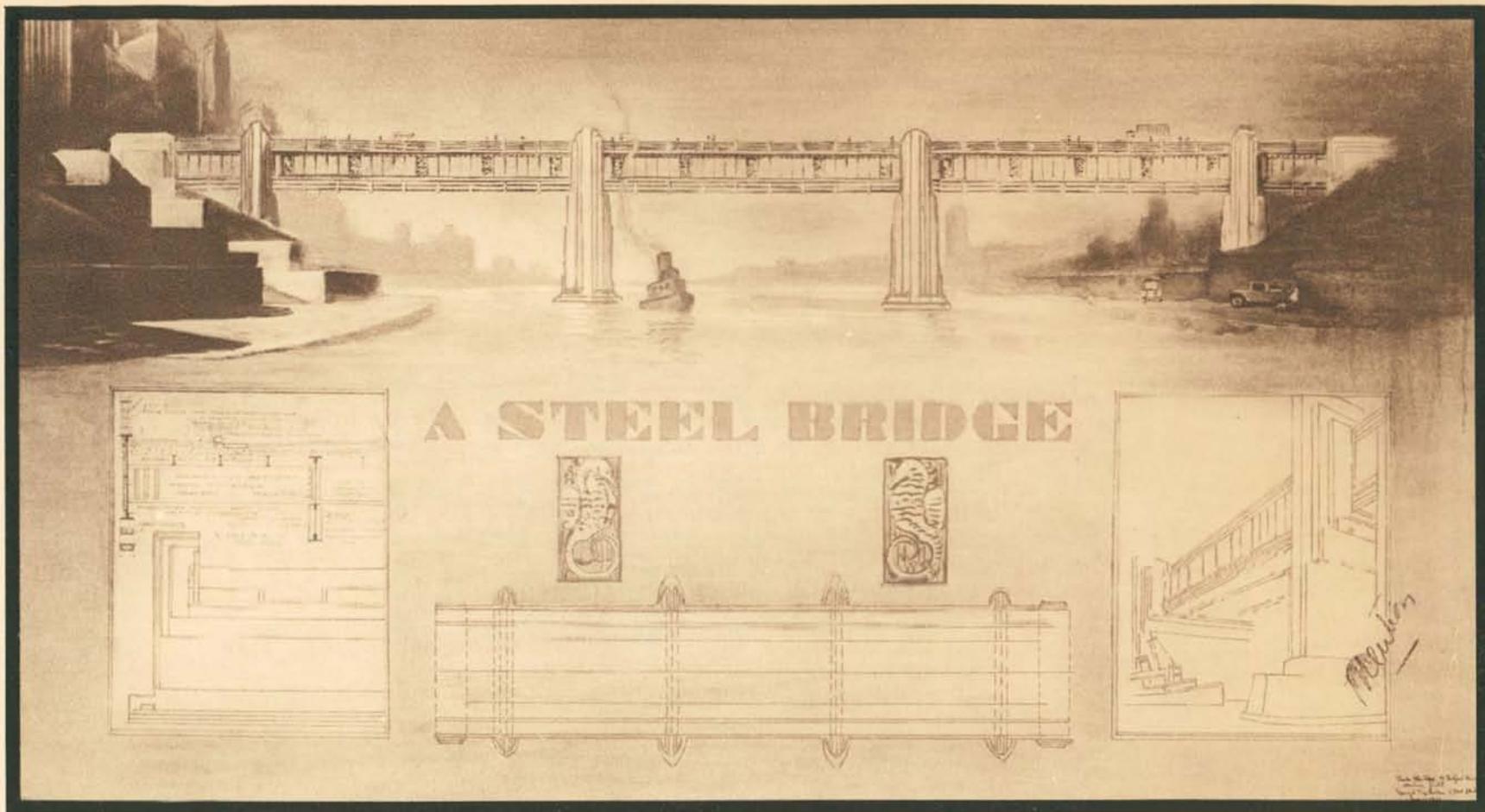


SECOND MEDAL—W. Paxton,
Yale University



A
ttention is especially directed to the modern note in many of the designs for piers. Beacon lights not only afford illumination of the bridge at night, but will doubtless prove of convenience to aviators. This is a factor which bridge builders of the future will undoubtedly be called upon to take into consideration.

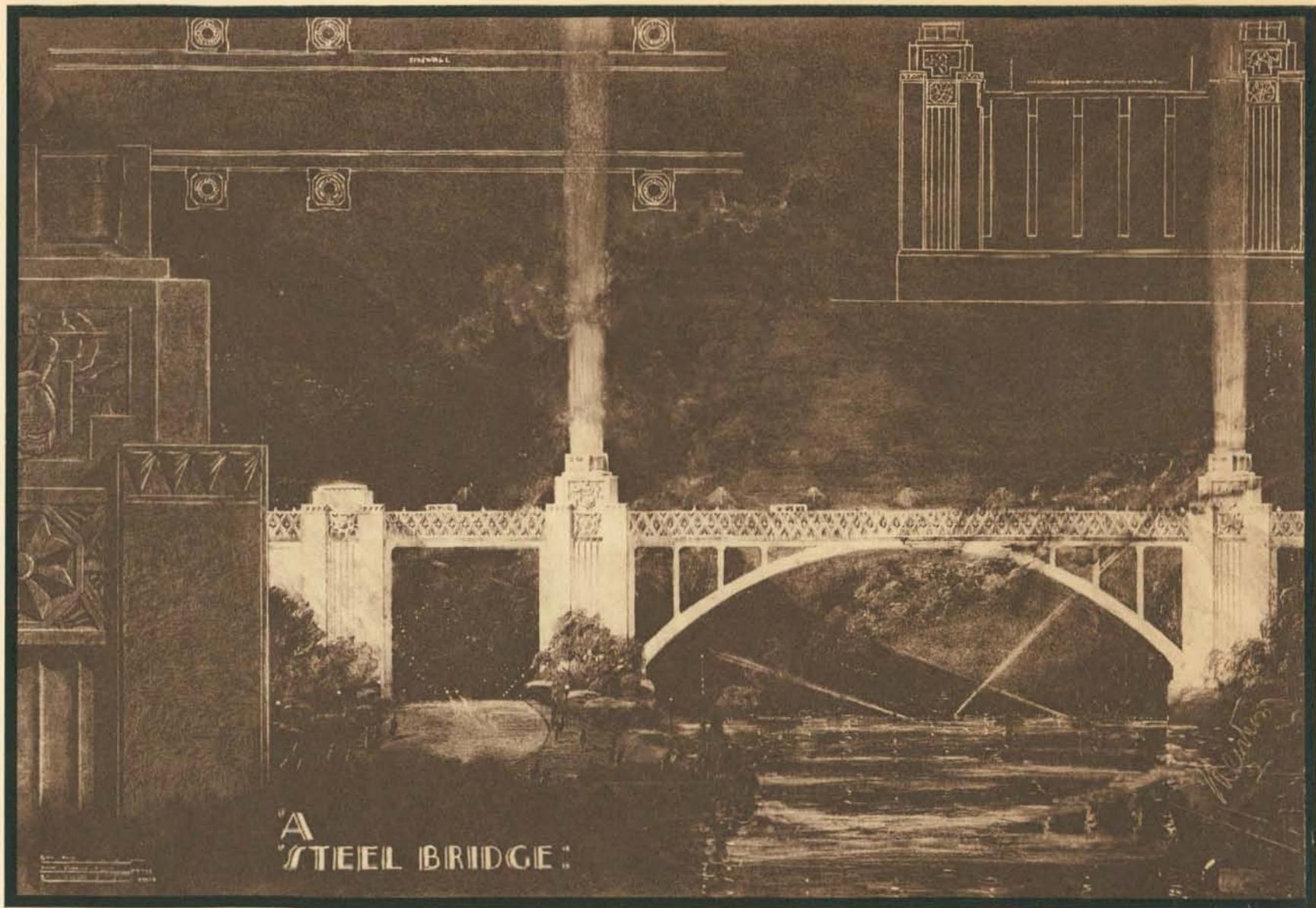
The American Institute of Steel Construction, Inc., is so well satisfied with the results of this competition that it has practically determined that the experiment will be repeated.



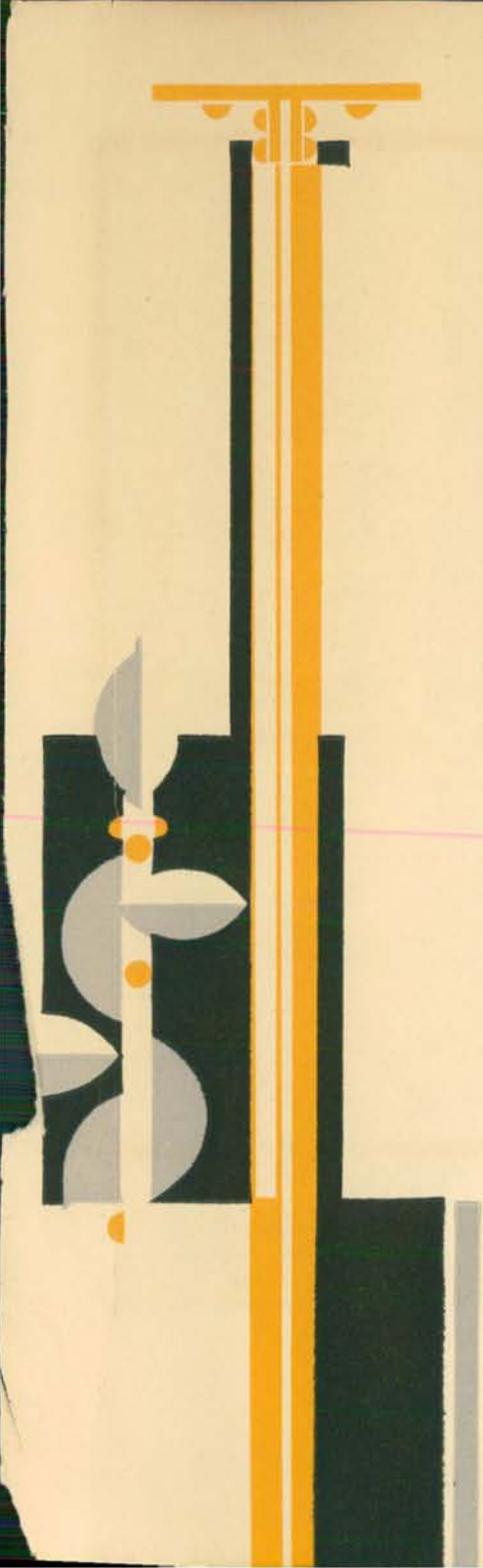
MENTION—C. S. Pope,
Atelier Licht



Next year the preliminary exercise will be held on February 15 and the preliminary judgment on February 25. The final rendu will be called on March 10 and be judged on April 1, 1930. Out of such competitions It is hoped to stimulate constructive thought among architects which will develop certain aesthetic principles in bridge design which can be successfully utilized by the fabricators of structural steel.



MENTION—A. C. Davoll,
New York Architectural Club



The jury of award acting for the Beaux-Arts Institute of Design
in the 1929 contest were:

John Mead Howells

Clinton Mackenzie

Harvey W. Corbett

Wm. F. Lamb

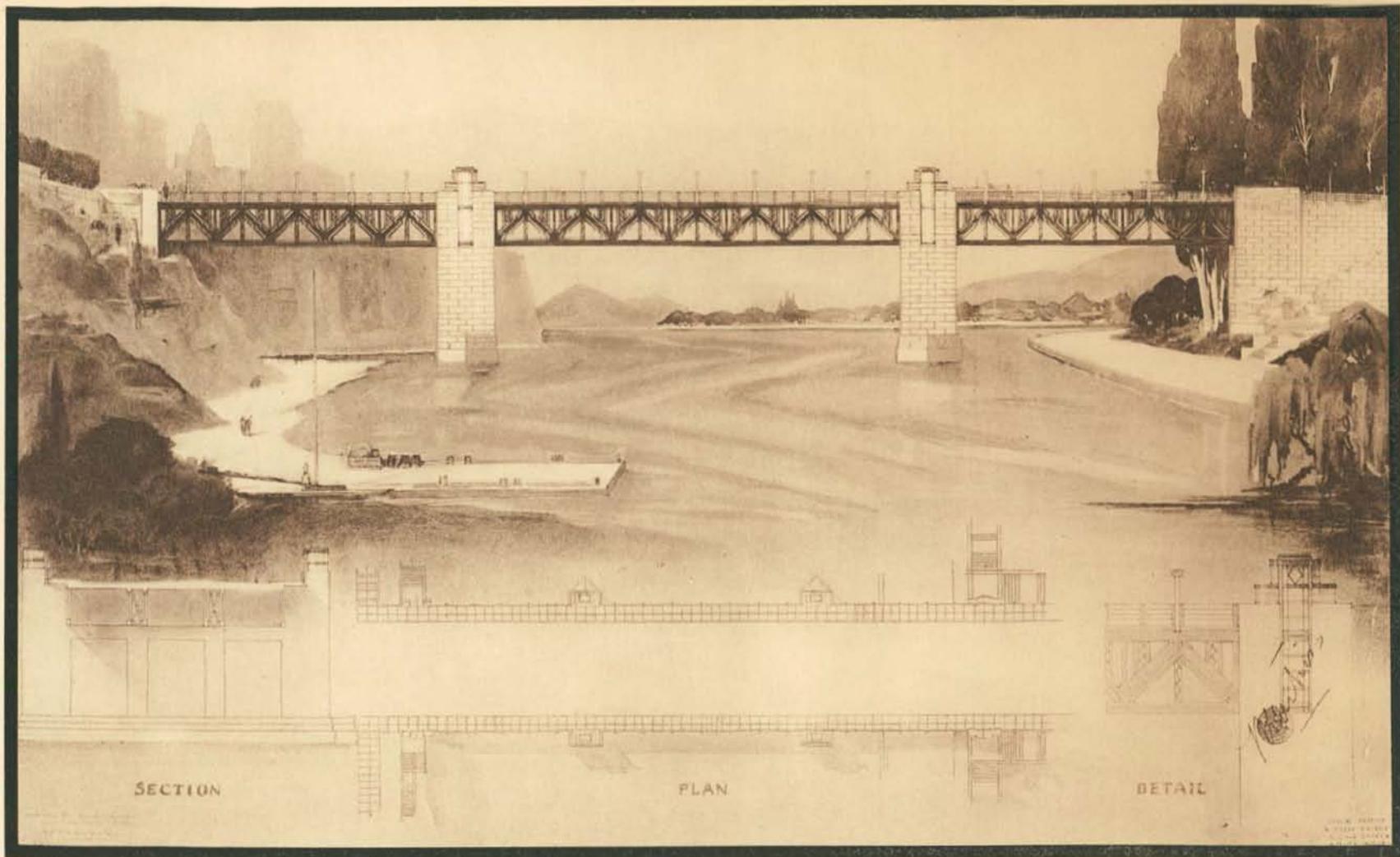
Arthur Loomis Harmon

L. C. Holden, Jr.

Theodore E. Blake

C. C. Zantzing

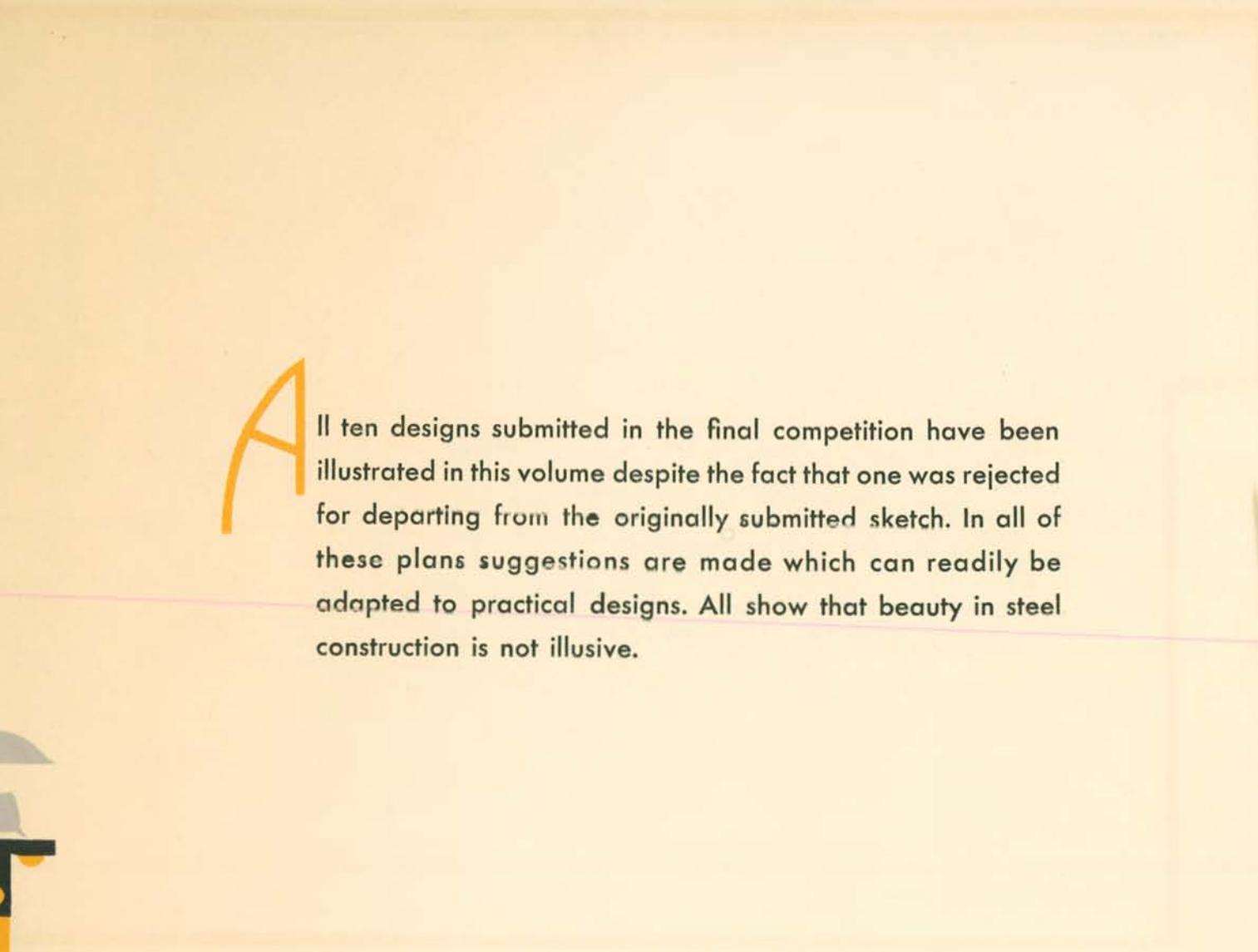
Edward S. Hewitt, Chairman

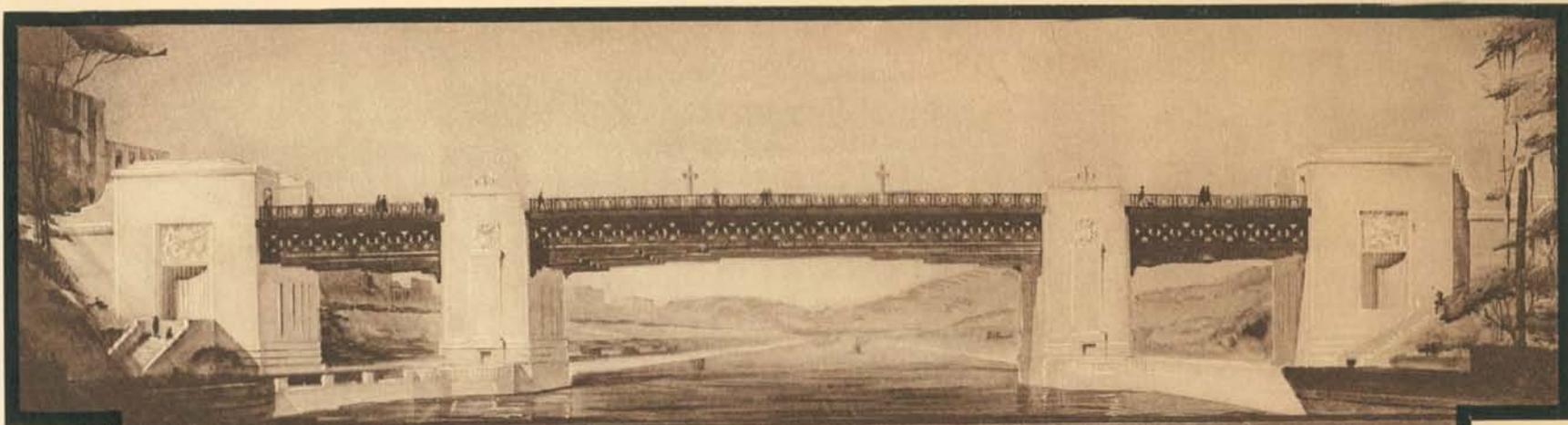


MENTION—E. G. von Storch,
Atelier Hirons

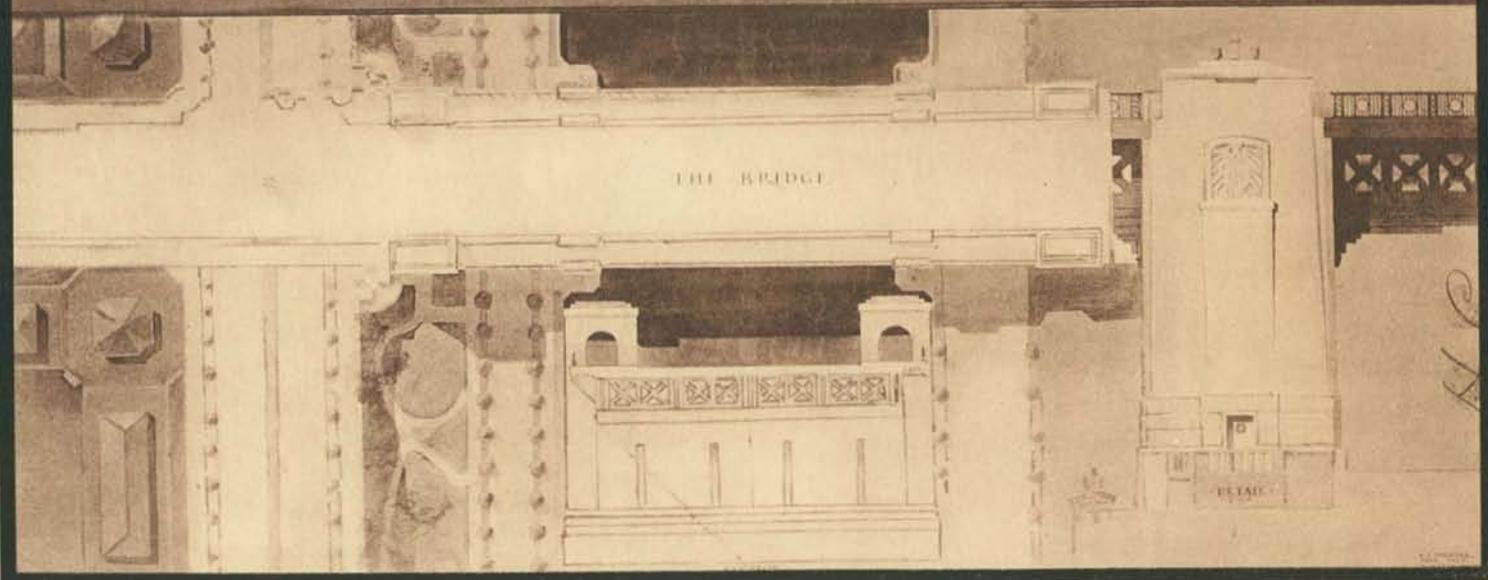


All ten designs submitted in the final competition have been illustrated in this volume despite the fact that one was rejected for departing from the originally submitted sketch. In all of these plans suggestions are made which can readily be adapted to practical designs. All show that beauty in steel construction is not illusive.





A STEEL BRIDGE



Rejected for departing from sketch—G. F. Poehler,
Yale University