

**PRACTICAL TREATISE ON THE
CONSTRUCTION OF IRON
HIGHWAY BRIDGES: FOR THE
USE OF TOWN COMMITTEES**

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Practical Treatise on the Construction of Iron Highway Bridges: For the Use of Town Committees by Alfred P. Boller

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ALFRED P. BOLLER

**PRACTICAL TREATISE ON THE
CONSTRUCTION OF IRON
HIGHWAY BRIDGES: FOR THE
USE OF TOWN COMMITTEES**



BRIDGE AT PLAINFIELD, N. J. BY THE AUTHOR. 104 FEET SPAN ; 25 FEET ROADWAY ; 8 FEET SIDEWALKS ; 100 POUNDS PER SQUARE FOOT ; FACTOR OF 5 FOR SAFETY.

PRACTICAL TREATISE
ON THE
CONSTRUCTION
OF
IRON HIGHWAY BRIDGES.

FOR THE
USE OF TOWN COMMITTEES.

TOGETHER WITH A
SHORT ESSAY UPON THE APPLICATION OF THE PRINCIPLES OF THE
LEVER TO A READY ANALYSIS OF THE STRAINS UPON THE
MORE CUSTOMARY FORMS OF BEAMS AND TRUSSES.

BY
ALFRED P. BOLLER, A.M.,
CIVIL ENGINEER,

MEMBER OF THE AM. SOC. CIV. ENGINEERS.

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DEDICATION.

TO

TOWN COMMITTEES, SELECTMEN, COUNTY FREEHOLDERS.

AND

OTHER PUBLIC OFFICERS,

TO WHOM IS INTRUSTED THE RESPONSIBILITY OF
ERECTING "IRON BRIDGES," THIS BOOK IS
RESPECTFULLY DEDICATED

BY

THE AUTHOR.

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