Shreve on Bridges and Roofs.

8vo, 87 wood-cut illustrations. Cloth. \$5.00.

A TREATISE ON THE STRENGTH OF BRIDGES AND ROOFS—comprising the determination of Algebraic formulas for Strains in Horizontal, Inclined or Rafter, Triangular, Bowstring, Lenticular and other Trusses, from fixed and moving loads, with practical applications and examples, for the use of Students and Engineers. By Samuel H. Shreve, A.M., Civil Engineer.

"On the whole, Mr. Shreve has produced a book which is the simplest, clearest, and at the same time, the most systematic and with the best mathematical reasoning of any work upon the same subject in the language."—
Raitroad Gazette.

"From the unusually clear language in which Mr. Shreve has given every statement, the student will have but himself to blame if he does not become thorough master of the subject."—London Mining Journal.

"Mr. Shreve has produced a work that must always take high rank as a text-book, * * * and no Bridge Engineer should be without it, as a valuable work of reference, and one that will frequently assist him out of difficulties."—Franklin Institute Journal.

The Kansas City Bridge.

4to. Cloth. \$6.00

WITH AN ACCOUNT OF THE REGIMEN OF THE MISSOURI RIVER, and a description of the Methods used for Founding in that River. By O. Chanute, Chief Engineer, and George Morison, Assistant Engineer. Illustrated with five lithographic views and twelve plates of plans.

Illustrations.

VIEWS.—View of the Kansas City Bridge, August 2, 1869. Lowering Caisson No. 1 into position. Caisson for Pier No. 4 brought into position. View of Foundation Works, Pier No. 4. Pier No. 1.

4. Pier No. 1.
PLATES.—I. Map showing location of Bridge. II. Water Record—Cross Section of River—Profile of Crossing—Pontoon Protection. III. Water Deadener—Caisson No. 2—Founda

tion Works, Pier No. 3. IV. Foundation Works, Pier No. 4. V. Foundation Works, Pier No. 4. VI. Caisson No. 5—Sheet Piling at Pier No. 6—Details of Dredges—Pile Shoe—Beton Box. VII. Masonry—Draw Protection—False Works between Piers 3 and 4. VIII. Floating Derricks. IX. General Elevation—176 feet span. X. 248 feet span. XI. Plans of Draw. XII. Strain Diagrams.