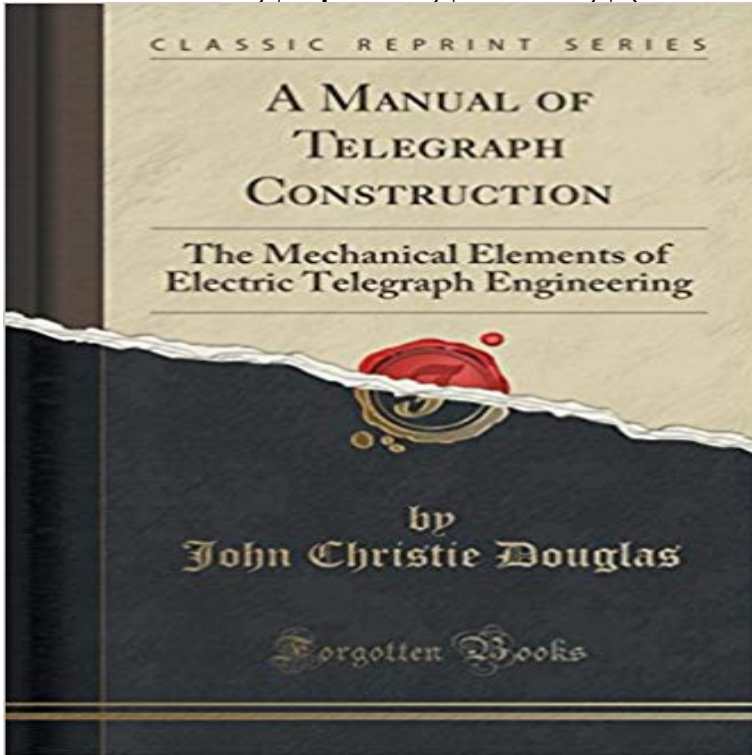


A Manual of Telegraph Construction: The Mechanical Elements of Electric Telegraph Engineering (Classic Reprint)



Excerpt from A Manual of Telegraph Construction: The Mechanical Elements of Electric Telegraph Engineering

A telegraph structure must fulfil two distinct sets of conditions, the Mechanical and the Electrical. On the subject of the latter there are many special Treatises, on the former this book is the first of its kind. The special Treatises on Telegraphy, with the exception of that of M. Blavier, do not treat of Mechanical principles, these being very justly regarded as distinct from the Electrical conditions, and their full exposition as out of place in a Treatise on the application of Electricity. Although the Mechanical principles and practice are common to other structures than Telegraphs, the particular case of a Telegraph structure requires separate treatment; for some of the materials employed and the functions of the structure are peculiar to Telegraph structures. In no branch are the requirements of the Telegraph Engineer co-extensive with those of the Civil Engineer. Telegraph Engineering has several branches, as mast building, cable laying, &c., not pertaining to Civil Engineering, and Civil Engineering, again, includes many branches, as tunnelling, roads, railways, drainage, water supply, bridge building, &c., of no concern to the Telegraph Engineer. As examples may be instanced carpentry, brickwork, masonry, and earthwork: - the Telegraph Engineer has to join timbers in different ways, to make simple trusses, to build masts, &c.; but he is not concerned with very complex frames, roofs, &c., and is not called upon to execute extensive works in brick or cut stone. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the

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