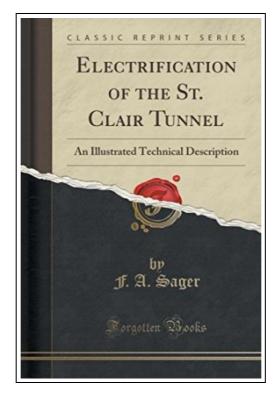
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Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from Electrification of the St. Clair Tunnel: An Illustrated Technical Description President, and Mr. Bion Arnold, which conference resulted in the work being referred by Mr. Fitzhugh to Mr. Arnold for a report. This report, covering the general question of electrification, was submitted. It contained detailed estimates of cost of installation and operation of the various systems that might be used in con nection with the work. The report was accepted by Mr. Fitzhugh, and Mr. Arnold was commissioned to prepare specifications for the equipment. The specifications stipulated, in addition to various guarantees regarding efficiencies of different parts of the system, and of the system as a whole, that the installation when completed should be capable of hauling a I, ooo-ton train through the tunnel, from terminal to terminal, in 15 minutes, and that in so doing the maximum speed should not exceed 25 miles per hour, and the minimum speed, when ascending a 2 per cent grade, should not be less than IO miles per hour. Tenders were submitted by the com panies, that were prepared to undertake the work as specified, and after careful analysis the decision was made to adopt the single-phase alternating current system, using an overhead working conductor, this being the first decision providing for the application of the single-phase system to heavy steam road service. The contract was awarded some months later to the Westinghouse Electric (9 Mann facturing Company and provided that it be responsible for the installation and successful operation of the entire equipment. The equipment has been in continuous operation since May I7, 1908, handling the entire train service of the S t. Clair Tunnel Company. About the Publisher Forgotten Books publishes hundreds...

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