

## Scientific Technical Papers of Werner Von Siemens Volume 1



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### ***Reviews***

*Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.*

*(Kade Ankunding)*

## SCIENTIFIC TECHNICAL PAPERS OF WERNER VON SIEMENS VOLUME 1



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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1892 Excerpt: .for the gutta-percha rolled round the wire gave way after a short time at the joints. It was with the help of a covering machine constructed and employed by Halske and myself in the year 1847, by means of which the gutta percha made plastic by heat, was pressed without a seam around the wire, that the problem of the manufacture of thoroughly insulated submarine and underground cables was solved. Monthly Report of the Berlin Academy of Sciences of 17 Dec, 1874. t Fogg. Ann. Vol. 28, p. 409. Although the extensive network of underground conductors insulated with compressed gutta-percha which in the following years was so hastily spread over North Germany and Prussia, did not have a very long life, especially since, to save cost, the wires were laid without external protection, and at too slight a depth in the ground, yet it gave an opportunity of collecting experience on the manufacture and maintenance of such insulated conductors, and of studying their physical properties. It was reserved for English enterprise to apply the knowledge and experience gained here in a province from which the competition of cheaper overhead wires is excluded, viz., that of submarine telegraphy. In the year 1850 Mr. Brett had already laid a single conductor insulated with gutta-percha across the Channel from Dover to Calais. As this, as was to be foreseen, was not permanent, he replaced it in 1851 by a conductor insulated with pressed guttapercha which was surrounded with a...



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