



Report on Telegraphs and Apparatus (Classic Reprint) (Paperback)

By David Brooks

Forgotten Books, United States, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Report on Telegraphs and Apparatus Relays; Method of connection up the Morse circuit; Morse s register; The Nk-writer; Hughes printer; Belgian lines; Their apparatus and material; Automatic telegraphs; Double transmission. 1. Relays. - The original relay of Professor Morse was wound with No.14 copper wire, covered with cotton, and weighed one hundred and eighty pounds. The magnetic effect of this construction, owing to the comparatively few convolutions obtainable with such coarse wire, was very feeble. The French, however, shortly effected a considerable improvement in the construction of the relay by employing a smaller core and winding the same with a fine wire covered with silk. The cores of most of the instruments used in Europe at the present time are about four inches in length and of less than three-eighths of an inch in diameter, and are wound with a fine silk-covered wire, affording a sufficient number of layers or convolutions to give to the spool a diameter of one and one-eighth inches. The spools of the relay are longer, and smaller in diameter, than is the case with...



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