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Cover image
Cover image caption: Proof copy, with author’s manuscript corrections, of Benjamin Wilson, ‘New Experiments and Observations on the Nature and Use of Conductors’, published as part of ‘Sundry Papers Relative to an Accident from Lightning at Purfleet, May 15, 1777’ in Philosophical Transactions, 68 (1778) 232–317.

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XLVIIth Experiment. Having procured an equal quantity of the same diameter, with that which was fupended and tried in the in the form of coils upon a board, fixed on the top of the long lig connection whatsoever with the great apparatus, or any then fully charged by the power of one of those machines only, in consequence of causing sparks, was very inconsiderable, as observed in the last experiment.

XLVIIIth Experiment. The several coils of wire employed in the seven hundred yards more in coils also, were joined together coils were then frung upon silk lines, and separated from each along as to occupy one hundred yards of silk line. The sever a mean, were about fifteen inches. As I had so short a time pend them properly, the disadvantage of their touching, at many places, could not be prevented; however, I found this charging this wire, was nearly equal to that which had been in the XLVIIth experiment.