



High-Tension Power Transmission Volume 1

By American Institute of Engineers

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. 1905 Excerpt: .should be placed in a strong boiler-steel case, with the cover well bolted on. The latter should have a relatively large flap opening to act as a safety-valve, so arranged that it will not of itself remain in the open position. There seems to be no doubt that inflammable and explosive mixtures accumulate above the oil in transformers; but the self-closing cover will promptly smother any fire which might be started from this cause. These gaseous mixtures seem to be formed, at least in part, by minute brush discharges in the oil, which break up the mineral oil into light volatile constituents and heavy asphalt-like residue. These effects may be readily produced experimentally, even at pressures below 10 000 volts. There should also be a considerable air-space to allow for a possible boiling of the oil without boiling over. Such a transformer will most naturally be...



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