Directions for Designing, Making, and Operating High Transformers Pressure Transformers (Classic Reprint) (Paperback)

By F E Austin

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Directions for Designing, Making, and Operating High Transformers Pressure Transformers Electric power, at a high pressure, is at present a commercial demand and necessity; the considerations in favor of direct-current power at high pressure are, with the present forms of construction, fewer than those favoring alternating high pressure power. The one consideration above all others in favor of alternating-current power, is the simplicity, and economy with which the alternating-pressure, (constituting one factor of the power) may be increased or decreased in magnitude; or in common engineering parlance: - stepped up or stepped down, from a low to a high or from a high to a low value respectively. The device employed to accomplish the stepping up or stepping down process is the so-called transformer, which is a really wonderful piece of apparatus, when considered as an energy device. It should be remembered that a transformer cannot be operated on direct-current circuits; but only by being connected with circuits in which the current is continuously undergoing regular changes in value; that is, by alternating-currents. The term...

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