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Kathleen Armour

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Powering American Farms Richard F. Hirsh, 2022-06-14 The untold story of the power industry s efforts to electrify growing numbers of farms in the years before the creation of Depression era government programs Even after decades of retelling the story of rural electrification in the United States remains dramatic and affecting As textbooks and popular histories inform us farmers obtained electric service only because a compassionate federal government established the Tennessee Valley Authority and the Rural Electrification Administration REA during the Great Depression of the 1930s The agencies success in raising the standard of living for millions of Americans contrasted with the failure of the greedy big city utility companies which showed little interest in the apparently unprofitable nonurban market Traditional accounts often describe the nation's population as split in two separated by access to a magical form of energy just past cities limits a bleak preindustrial class of citizens endured literally in near darkness at night and envious of their urban cousins who enjoyed electrically operated lights refrigerators radios and labor saving appliances In Powering American Farms Richard F Hirsh challenges the notion that electric utilities neglected rural customers in the years before government intervention Drawing on previously unexamined resources Hirsh demonstrates that power firms quadrupled the number of farms obtaining electricity in the years between 1923 and 1933 for example Though not all corporate managers thought much of the farm business a cadre of rural electrification advocates established the knowledge base and social infrastructure upon which New Deal organizations later capitalized The book also suggests that the conventional storyline of rural electrification remains popular because it contains a colorful hero President Franklin D Roosevelt and villainous utility magnates such as Samuel Insull who make for an engaging but distorted narrative Hirsh describes the evolution of power company managers thinking in the 1920s and early 1930s from believing that rural electrification made no economic sense to realizing that serving farmers could mitigate industry wide problems This transformation occurred as agricultural engineers in land grant universities supported by utilities demonstrated productive electrical technologies that yielded healthy profits to farmers and companies alike Gaining confidence in the value of rural electrification private firms strung wires to more farms than did the REA until 1950 a fact conveniently omitted in conventional accounts Powering American Farms will interest academic and lay readers of New Deal history the history of technology and revisionist historiography Pumps and Hydraulics Nehemiah Hawkins, 1905 The Electric Lighting Plant of the University of Michigan Henry Smith Carhart, 1898 Mines and Minerals ,1905 Modern Machinery ,1906 New York Review of the Telegraph and Telephone and Electrical **Journal** ,1905 Electrical Engineer ,1898 The Oil and Gas Journal, 1928 Mining Reporter ,1901 The **Electrical World and Engineer**, 1903 Marine Engineer and Motorship Builder ,1923 The Electrical Journal, 1908 **Engineering and Contracting** ,1913 American Electrician ,1903 Electrical West ,1901 Power ,1916 Sweet's Catalogue of Building Construction ,1912 Engineering and Mining Journal, 1906 **Every-Day Science**

Henry Smith Williams, 2018-04-05 Reproduction of the original Every Day Science by Henry Smith Williams *American*, 1903 Monthly magazine devoted to topics of general scientific interest

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