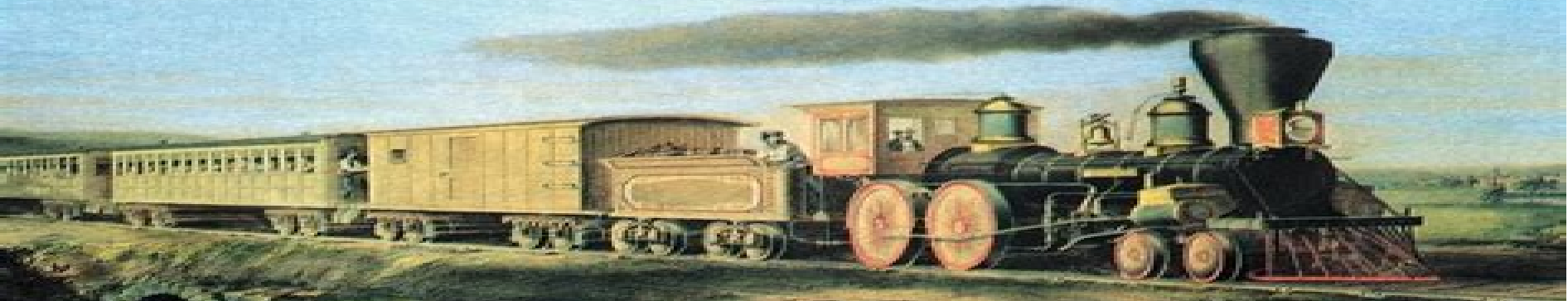


*The Victorian Flowering of Invention
and Industrial Science*



The Metallurgic Age

Quentin R. Skrabec, Jr.



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The Metallurgic Age The Victorian Flowering Of Invention And Industrial Science:

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The Metallurgy of Anodizing Aluminum Jude Mary Runge,2018-02-01 In this book the history of the concepts critical to the discovery and development of aluminum its alloys and the anodizing process are reviewed to provide a foundation for the challenges achievements and understanding of the complex relationship between the aluminum alloy and the reactions that occur during anodic oxidation Empirical knowledge that has long sustained industrial anodizing is clarified by viewing the process as corrosion science addressing each element of the anodizing circuit in terms of the Tafel Equation This innovative approach enables a new level of understanding and engineering control for the mechanisms that occur as the oxide nucleates and grows developing its characteristic highly ordered structure which impact the practical function of the anodic aluminum oxide

Metallurgical Design and Industry Brett Kaufman,Clyde L. Briant,2018-11-19 This edited volume examines metallurgical technologies and their place in society throughout the centuries The authors discuss metal alloys and the use of raw mineral resources as well as fabrication of engineered alloys for a variety of applications The applications covered in depth include financial mining and smelting bridges armor aircraft and power generation The authors

detail the multiple levels and scales of impact that metallurgical advances have had and continue to have on society They include case studies with guidance for future research design and innovation of metallic materials relevant to societal needs Includes case studies written by industry professionals with guidance for future research design and innovation Demonstrates metal materials design that reflects relevant societal needs Covers a broad range of applied materials used in aircraft armor bridges and power generation among others

Scientific and Medical Knowledge Production, 1796-1918 Rob Boddice, 2023-05-31 This volume is divided according to moral themes within medicine and science The sources represent dominant notes within the culture of knowledge production that capture the moral emotional social justification for the making of expertise through experiment This volume focuses on curiosity given as the scientist's chief motivating factor for the finding of new facts and as an essential character trait for anyone entering the scientific life It is also the source of controversy and criticism since curiosity alone increasingly looked amoral at best and immoral at worst as the nineteenth century wore on

Victorian Material Culture Deborah Wynne, Louisa Yates, 2022-07-14 From chatelaines to whale blubber ice making machines to stained glass this six volume collection will be of interest to the scholar student or general reader alike anyone who has an urge to learn more about Victorian things The set brings together a range of primary sources on Victorian material culture and discusses the most significant developments in material history from across the nineteenth century The collection will demonstrate the significance of objects in the everyday lives of the Victorians and addresses important questions about how we classify and categorise nineteenth century things This collection brings together a range of primary sources on Victorian material and culture This volume Manufactured Things will consider mass produced industrial and domestic objects

The Carnegie Boys Quentin R. Skrabec, Jr., 2012-08-13 In the 1890s the Carnegie Veterans Association began as a group of boyhood friends and older Andrew Carnegie steel partners united to share business ideas but it evolved into a powerful secretive network in American business circles By 1925 these Carnegie lieutenants controlled more than 60 percent of the country's industrial assets Haunted by their past with Carnegie Steel they demanded a new ethical relationship with labor and adopted a philanthropic philosophy of paternal capitalism building libraries churches schools and hospitals Ultimately their experiments in industrial democracy and progressive industrialism failed but their efforts formed the root of future cooperative management and employee participation This chronicle of the evolution and legacy of this influential association offers a new more complex perspective on Carnegie and demonstrates how he and his lieutenants helped to shape America's view of capitalism

Steel Dale Richard Perelman, 2016-12-05 A lively portrait of the Steel City and its millionaires and workers during the late nineteenth century Steel portrays the growth of iron and steel in smoke filled Pittsburgh during America's industrial age and what it meant for the people who lived there This history shares the fast paced saga of millionaire barons Andrew Carnegie Ben Franklin Jones Henry Clay Frick Henry Phipps and Charles Schwab who often plotted and schemed against each other as well as the story of the underpaid and

undervalued immigrant workforce whose desire to unionize united their bosses against them Here author Dale Richard Perelman recounts this dramatic struggle and the bloody battles it spawned throughout Western Pennsylvania s plants mines and railroad yards **Wordsworth's Poetry of Repetition** Sarah Houghton-Walker,2023 This book explores those moments of repetition placing them in the early nineteenth century context from which they emerged and teasing out through extended close attention to the poetry itself the complexities of repetition and recapitulation **Edward Drummond Libbey, American Glassmaker** Quentin R. Skrabec, Jr.,2014-01-10 Edward Drummond Libbey was a glassmaker industrialist artist innovator and art collector Both practical and creative he forever changed the glass industry with the automatic bottle making machine and automatic sheet glass machine This work examines the long career of Libbey particularly his innovation of American flint cut glass his contributions to the middle class American table through affordable glassware and his enormous art glass and painting collections which eventually formed the basis for the Toledo Museum of Art s collection Libbey single handedly revolutionized glassmaking a craft which had gone virtually unchanged for 2000 years

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