

# REVOLUTION IN GLASSMAKING

ENTREPRENEURSHIP AND  
TECHNOLOGICAL CHANGE IN THE  
AMERICAN INDUSTRY, 1880-1920



WARREN CANDLER  
SCOVILLE

# Revolution In Glassmaking Entrepreneurship And Technological Change In The American Industry 1880 19

**James L. Flannery**



## **Revolution In Glassmaking Entrepreneurship And Technological Change In The American Industry 1880 19:**

**Revolution in Glassmaking** Warren Candler Scoville, 2013-04      William McKinley, Apostle of Protectionism Quentin R. Skrabec, 2008 This biography focused on McKinley's unusual view of protectionism a labor business alliance and American exceptionalism offers striking parallels to today as the US struggles to define its international role and to determine the best blend of free trade protectionism and immigration William McKinley was the first US president to address globalization his legacy in protectionism and immigrant labor offer lessons for the current era He orchestrated an alliance between big business and the American worker that ushered in one of the greatest periods of growth ever known in the US economy Yet McKinley has been in the shadow of his successor Theodore Roosevelt for over a hundred years As Chairman of the Ways and Means Committee McKinley had forged a tariff bill in 1888 that united a nation that was still divided between North and South East and West His continued efforts to support free trade protected by managed markets in the tradition of Henry Clay and worker benefits like those provide by George Westinghouse led to a great economic compromise Further with revolutionary visionary rhetoric laden with America's economic manifest destiny he appealed to everyone from the steelworkers of Pittsburgh to the New York bankers He articulated a uniting philosophy Free trade in the United States is founded upon a community of equalities and reciprocities Free foreign trade admits the foreigner to equal privileges with our citizens It invites the product of foreign cheap labor to this market in competition with the domestic representing better paid labor albeit with tariffs to protect that domestic product McKinley's vision built the industrial base of the nation By the end of his presidency the American steel glass rubber oil machinery and electrical appliance industries dominated the world He was one of America's most popular presidents As his funeral train crossed the nation in 1901 factory workers and captains of industry alike stood along the rails to mourn him Never since has such a political alliance between labor and management been forged He was the last president to build a voting alliance between laborers immigrant workers and capitalists That alliance was marred by famous labor strikes and the building of great trusts yet he still managed to sweep the labor votes in the great industrial centers due to his belief in reciprocity and protectionism McKinley's role as a dinner pail Republican offers insights into how America can approach today's globalization with the best interests of the home team in mind      The Battle For Homestead, 1880-1892 Paul Krause, 2012-01-12 Named one of the fifty best books of 1992 by Publishers Weekly More than a century has passed since the infamous lockout at the Homestead Works of the Carnegie Steel Company The dramatic and violent events of July 6 1892 are among the most familiar in the history of American labor And yet few historians have adequately addressed the issues and the culture that shaped that day For many Americans Homestead remains simply the story of a bloody clash between management and labor In The Battle for Homestead Paul Krause calls upon the methods and insights of labor history intellectual history anthropology and the history of technology to situate the events of the lockout and their significance in the broad context of America's Gilded Age Utilizing extensive archival

material much of it heretofore unknown he reconstructs the social intellectual and political climate of the burgeoning post Civil War steel industry The Battle for Homestead brings to life many of the individuals both in and outside Homestead who played a role in the events leading to July 1892 From the inventor of the modern Bessemer steel mill to the most obscure immigrant workers from Christopher L Magee the boss of Pittsburgh machine politics to Thomas A Armstrong the tireless editor of the National Labor Tribune from the Laird of Skibo himself Andrew Carnegie to the labor leader and mayor of Homestead Old Beeswax Thomas W Taylor Krause shows how all these lives became intertwined often in surprising and unpredictable ways as the drama of the lockout unfolded As the nineteenth century was drawing to a close the Homestead Lockout dramatized the all important question Can the land of industry and technological innovation continue to be the land of the free Can material progress with its inevitable social and economic inequities be made compatible with the American commitment to democracy for all Twentieth century history has demonstrated all too clearly the intensity of this dilemma In addressing some of the thorniest issues of the last century The Battle for Homestead demonstrates the enduring legacy and relevance of Homestead over a century later

The Invention of Technological Innovation Benoît Godin, 2019 p 1 margin 0 0px 0 0px 0 0px 0 0px font 10 0px Arial This timely book provides an intellectual and conceptual history of a key representation of innovation technological innovation Tracing the history of the discourses of scholars practitioners and policy makers and exploring how and why innovation became defined as technological Beno t Godin studies the emergence of the term its meaning and its transformation and use over time

**Glass Towns** Ken Fones-Wolf, 2007 One of the central questions facing scholars of Appalachia concerns how a region so rich in natural resources could end up a symbol of poverty Typical culprits include absentee landowners reactionary coal operators stubborn mountaineers and greedy politicians In a deft combination of labor and business history Glass Towns complicates these answers by examining the glass industry s potential to improve West Virginia s political economy by establishing a base of value added manufacturing to complement the state s abundance of coal oil timber and natural gas Through case studies of glass production hubs in Clarksburg Moundsville and Fairmont producing window tableware and bottle glass respectively Ken Fones Wolf looks closely at the impact of industry on local populations and immigrant craftsmen He also examines patterns of global industrial restructuring the ways workers reshaped workplace culture and political action and employer strategies for responding to global competition unreliable markets and growing labor costs at the end of the nineteenth century

The Work Ethic in Industrial America 1850-1920 Daniel T. Rodgers, 2014-07-10 How the rise of machines changed the way we think about work and about success The phrase a strong work ethic conjures images of hard driving employees working diligently for long hours But where did this ideal come from and how has it been buffeted by changes in work itself While seemingly rooted in America s Puritan heritage perceptions of work ethic have actually undergone multiple transformations over the centuries And few eras saw a more radical shift than the American industrial age Daniel T Rodgers masterfully explores the ways in which the

eclipse of small scale workshops by mechanized production and mass consumption triggered far reaching shifts in perceptions of labor leisure and personal success He also shows how the new work culture permeated society including literature politics the emerging feminist movement and the labor movement A staple of courses in the history of American labor and industrial society Rodgers s sharp analysis is as relevant as ever as twenty first century workers face another shift brought about by technology The Work Ethic in Industrial America 1850 1920 is a classic with critical relevance in today s volatile economic times     The Remaking of Pittsburgh Francis G. Couvares,1984-06-30 What forces transformed a community in which industrial workers and other citizens exercised a real measure of power over their lives into a metropolis whose inhabitants were utterly dependent on Big Steel How did a city that fervidly embraced the labor struggle of 1877 turn into the city which so fiercely repudiated the labor struggle of 1919 The Remaking of Pittsburgh is the history of this transformation The cultural dimensions of industrialization come to life as Couvares calls upon labor history urban history and the history of popular culture to depict the demise of the craftsman s empire and the birth of a cosmopolitan bourgeois society The book explores the impact of immigration on the shaping of modern Pittsburgh and the emergence of mass culture within the community In the midst of these processes of transformation the giant steel corporations were continually reshaping the life of the city     **The Social History of Bourbon** Gerald Carson,2010-10-01 A high spirited history of the role bourbon has played in American life and culture documented and full of folklore Kirkus Reviews The distinctive beverage of the Western world bourbon is Kentucky s illustrious gift to the nation While much has been written about whiskey the particular place of bourbon in the American cultural record has long awaited detailed and objective presentation A fascinating and informative contribution to Americana The Social History of Bourbon reflects an aspect of our national cultural identity that has been widely overlooked Gerald Carson explores the impact of the liquor s presence during America s early development as well as bourbon s role in some of the more dramatic events in American history including the Whiskey Rebellion the scandals of the Whiskey Ring and the whiskey forts of the fur trade From moonshiners to the Civil War to Old West saloons and the privations of Prohibition The Social History of Bourbon is a revealing look at the role of this classic beverage in the development of American manners and culture Goes into the families and personalities of bourbon s early history and does so with humor a great cause to raise a glass Rowley s Whiskey Forge     The Rise and Fall of the New Deal Order, 1930-1980 Steve Fraser,Gary Gerstle,2020-07-21 The description for this book The Rise and Fall of the New Deal Order 1930 1980 will be forthcoming     **Indiana Through Tradition and Change** James H. Madison,1982 In Indiana through Tradition and Change A History of the Hoosier State and Its People 1920 1945 vol 5 History of Indiana Series author James H Madison covers Indiana during the period between World War I and World War II Madison follows the generally topical organization set by previous volumes in the series with initial chapters devoted to politics and later chapters to social economic and cultural questions The last chapter provides an overview of the home front during World War II Each chapter

is intended to stand alone but a fuller understanding of subjects and themes treated in any one chapter will result from a reading of the whole book The book includes a bibliography notes and index

**The Great Depression** Michael A. Bernstein,1987 This 1988 book focusses on why the American economy failed to recover from the downturn of 1929 33

**Craftwork as Problem Solving** Trevor H.J. Marchand,2017-05-15 This volume brings together a cross disciplinary group of anthropologists researchers of craft and designer makers to enumerate and explore the diversity and complexity of problem solving tactics and strategies employed by craftspeople together with the key social cultural and environmental factors that give rise to particular ways of problem solving Presenting rich textured ethnographic studies of craftspeople at work around the world Craftwork as Problem Solving examines the intelligent practices involved in solving a variety of problems and the ways in which these are perceived and evaluated both by makers and creators themselves and by the societies in which they work With attention to local factors such as training regimes and formal education access to tools socialisation and cultural understanding budgetary constraints and market demands changing technologies and materials and political and economic regimes this book sheds fresh light on the multifarious forms of intelligence involved in design and making inventing and manufacturing and cultivating and producing As such it will appeal to scholars of anthropology sociology and cultural geography as well as to craftspeople with interests in creativity skilful practice perception and ethnography

*Becoming the World's Biggest Brewer* Kenneth Bertrams,Julien Del Marmol,Sander Geerts,Eline Poelmans,2020 Through first hand material originating from company and private archives as well as interviews with managers and key family actors this book presents a unique the history of Interbrew in the nineteenth and twentieth centuries

**Technology and the Search for Progress in Modern Mexico** Edward Beatty,2015-05-01 In the late nineteenth century Mexican citizens quickly adopted new technologies imported from abroad to sew cloth manufacture glass bottles refine minerals and provide many goods and services Rapid technological change supported economic growth and also brought cultural change and social dislocation Drawing on three detailed case studies the sewing machine a glass bottle blowing factory and the cyanide process for gold and silver refining Edward Beatty explores a central paradox of economic growth in nineteenth century Mexico while Mexicans made significant efforts to integrate new machines and products difficulties in assimilating the skills required to use emerging technologies resulted in a persistent dependence on international expertise

International Bibliography of Business History Francis Goodall,Terry Gourvish,Steven Tolliday,2013-12-16 The field of business history has changed and grown dramatically over the last few years There is less interest in the traditional company centred approach and more concern about the wider business context With the growth of multi national corporations in the 1980s international and inter firm comparisons have gained in importance In addition there has been a move towards improving links with mainstream economic financial and social history through techniques and outlook The International Bibliography of Business History brings all of the strands together and provides the user with a

comprehensive guide to the literature in the field The Bibliography is a unique volume which covers the depth and breadth of research in business history This exhaustive volume has been compiled by a team of subject specialists from around the world under the editorship of three prestigious business historians     *Baffle Marks and Pontil Scars: A Reader on Historic Bottle Identification* Peter D. Schulz, 2016-03-04     *Imagining Consumers* Regina Lee Blaszczyk, 2020-03-24 Winner of the Hagley Prize in Business History from The Hagley Museum and Library and the Business History Conference Selected by Choice Magazine as an Outstanding Academic Title Originally published in 1999 *Imagining Consumers* tells for the first time the story of American consumer society from the perspective of mass market manufacturers and retailers It relates the trials and tribulations of china and glassware producers in their contest for the hearts of the working and middle class women who made up more than eighty percent of those buying mass manufactured goods by the 1920s Based on extensive research in untapped corporate archives *Imagining Consumers* supplies a fresh appraisal of the history of American business culture and consumerism Case studies illuminate decision making in key firms including the Homer Laughlin China Company the Kohler Company and Corning Glass Works and consider the design and development of ubiquitous lines such as Fiesta tableware and Pyrex Ovenware     *Managers and Workers* Daniel Nelson, 1996-01-01 During the early years of this century the classic factory system of the industrial revolution evolved rapidly into a new identifiable form that would characterize American and world industry for most of the twentieth century This transformation as important for industrial managers workers and consumers as the initial creation of the factory is the subject of Daniel Nelson s illuminating synthesis updated and expanded to include the scholarship of recent decades This edition of *Managers and Workers* describes the interrelations between technological and organizational innovation including such familiar developments as the spread of mass production and the emergence of scientific management and other developments that were little known when the first edition of this book appeared such as the revolution in factory architecture the changing role of the foreman and the spread of personnel work The volume also incorporates the best scholarship of the 1970s 1980s and 1990s some of it stimulated by *Managers and Workers* and includes a new chapter on the role of organized labor in the early twentieth century factory The focus of the work however remains the individual managers and workers who created the twentieth century factory system The preeminent historian of the American business firm Alfred D Chandler Jr reviewed the first edition of *Managers and Workers* in *The Journal of Economic History* predicting that this book would long remain the standard work on the origins of the American factory The second edition will make that prediction true for the 1990s and beyond     *The Glass House Boys of Pittsburgh* James L. Flannery, 2009 An original examination of legislative clashes over the singular issue of the glass house boys who performed menial tasks received low wages and had little to say on their own behalf while toiling in glass bottle plants Flannery reveals the many societal economic and political factors at work that allowed for the perpetuation of child labor in this industry and region     *In the Watches of the Night* Peter C. Baldwin, 2022-12-22 Before skyscrapers and

streetlights glowed at all hours American cities fell into inky blackness with each setting of the sun But over the course of the nineteenth and early twentieth century new technologies began to light up streets sidewalks buildings and public spaces Peter C Baldwin s evocative book depicts the changing experience of the urban night over this period visiting a host of actors scavengers newsboys and mashers alike in the nocturnal city Baldwin examines work crime transportation and leisure as he moves through the gaslight era exploring the spread of modern police forces and the emergence of late night entertainment to the era of electricity when social campaigns sought to remove women and children from public areas at night While many people celebrated the transition from darkness to light as the arrival of twenty four hours of daytime Baldwin shows that certain social patterns remained including the danger of street crime and the skewed gender profile of night work Sweeping us from concert halls and brothels to streetcars and industrial forges *In the Watches of the Night* is an illuminating study of a vital era in American urban history



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