

Contents

<i>page</i>	
xiii	<i>Series Editors' Preface</i>
xiv	<i>Author's Preface</i>
xvi	<i>Acknowledgments</i>
xxi	<i>Timeline of Key Events in Development of the Synthetic Dye Industry before 1914</i>
1	CHAPTER 1 Introduction
2	The Puzzle
5	Is This Book for You?
8	Key Ideas in Evolutionary Theory
17	Evolution of Technology
19	Evolution of Institutions
21	A Sketch of Coevolution
24	The Economics and Science of Dye-Making
27	The Road Ahead
32	CHAPTER 2 Country-Level Performance Differences and Their Institutional Foundations
32	Intriguing Questions about Industrial Leadership
35	Performance under the Microscope
45	Background Information on the Three Countries
50	National Research and Training Systems
62	Supporting Organizations and the State
69	The Academic–Industrial Knowledge Network
80	Social Organization of Production at the Shop Floor
84	Intellectual Property Right Regimes
94	CHAPTER 3 Three Times Two Case Studies of Individual Firms
95	Purpose of the Matched Comparisons
97	The Cast of Firms
106	The World of Pioneers (1857–65)
120	Science Unbound (1866–85)
138	The Age of Bayer (1886–1914)
161	Did Managerial Action Make a Difference?

Cambridge University Press

978-0-521-81329-7 - Knowledge and Competitive Advantage: The Coevolution of Firms,
Technology, and National Institutions

Johann Peter Murmann

Table of Contents

[More information](#)

164	CHAPTER 4 The Coevolution of National Industries and Institutions
164	Overview of Collective Strategies
165	Forging a National Science Capability
179	Lobbying for a Supportive Patent System
192	Influencing Tariff Laws
194	CHAPTER 5 Toward an Institutional Theory of Competitive Advantage
195	Theoretical Gaps
199	Evolutionary Interpretation of the Key Findings
209	A Theory of Coevolution
221	Implications for Industrial Organization Studies
230	Opportunities for Future Research on Industrial Development
	Appendixes
239	APPENDIX I A Technological History of Dyes
258	APPENDIX II Short Description of Databases on Firms and Plants
269	<i>Bibliography</i>
287	<i>Index</i>