

Contents

Preface	vii
Part I. Overview	
1. Development and Technology in Post-war Japan	3
2. The Japanese Experience: The Problems and Attempted Solutions	36
3. Theoretical Summary: A Preliminary Examination and an Interim Conclusion	50
Part II. Case-Studies	
4. The Importance of Case-Studies	65
5. Urban Society and Technology	69
6. Agricultural Technology and Development	82
7. Transfer and Self-Reliance in Iron and Steel Technology	93
8. Transfer of Mining Technology and the Birth of New Technology	106
9. Traffic and Transport Technology—Road, Railway, and Water-borne Transportation	119
10. Technology for the Textile Industry	130
11. The Transformation of Small-scale Industry into Modern Indigenous Industry	146
12. Vocational Education and Development	154
13. The Development of Japanese-style Management	168
14. Development of Japan's Financial System	180
15. General Trading Companies: Their Role in Technology Transfer and Industrialization	189
16. Industry and Economic Policies—Politics and the Economy in a New Nation	199

17. History of Technology and Technology Policy	209
18. Female Labour and Technology Change	217
19. Industrial Technology and Pollution	229
Part III. Epilogue	
20. Conclusion: A Proposal for Future Research	239
Notes	252
References	261
Collaborators	272
Index	276