

Contents

<i>List of figures</i>	x
<i>List of tables</i>	xi
<i>Acknowledgements</i>	xiii
Introduction	1
Opening Pandora's jar	1
Overview of the nature and structure of the book	2
Part I A sketch of the argument	7
1 The limits to growth in organic economies	9
The views of the classical economists	10
The energy constraint	13
Production and reproduction	17
Conclusion	21
2 The transition from an organic to an energy-rich economy	26
Agricultural growth, industrial growth, and transport improvements	28
Manpower productivity in agriculture	33
The energy revolution	36
Conclusion	47
Part II Favourable developments	53
3 Agricultural change and urbanisation	55
Urban growth	58
The consumer revolution	68
The agricultural system	73
The rise in agricultural output	78

The London effect	88
Conclusion	90
4 Energy and transport	91
The history of energy consumption	91
Coal production and transport provision	101
Other improvements in transport facilities	108
Conclusion	110
5 Occupational structure, aggregate income, and migration	113
Occupational structure and migration	113
Occupational change and aggregate income	127
Aggregate income trends and migration	135
Conclusion	138
6 Production and reproduction	140
The components of population change	144
England in a wider setting: the concomitants of faster population growth	152
Regional diversity	163
Conclusion	172
Retrospect of Part II as a whole	175
Part III What set England apart from her neighbours	179
7 The timing and nature of change in the industrial revolution	181
Preliminary considerations	181
Relative growth rates	187
The escape from the constraints of an organic economy	193
The changing character of the growth surge	196
Why the growth surge continued	198
A summary of the character and timing of the changes which took place	205
8 Modernisation and the industrial revolution	211
Introductory comment	211
England and the Netherlands	216

The relationship between industrialisation and modernisation	225
National entities and lopsided growth	228
Conclusion	232
Part IV Retrospective	237
9 The industrial revolution and energy	239
The energy revolution	239
Pandora's jar again	245
<i>Appendix</i>	251
<i>Bibliography</i>	258
<i>Index</i>	268