

## Illustrations

### *Tables*

- 2.1 Changes in the Holdings of the U.S. Military Academy Library, 1822–1830 38
- 5.1 Attrition of Officers Who Surveyed Railroads for the Army, 1829–1838 88
- 5.2 Army Officers Who Resigned to Work for Railroads, 1835–1838 90

### *Figures*

- 1 Phoenix Line Stage Coach between Baltimore and Washington, ca. 1830 12
- 2 Col. Sylvanus Thayer, West Point Superintendent, 1817–1833 28
- 3 U.S. Military Academy at West Point, 1820 30
- 4 David B. Douglass, Professor of Engineering at West Point, 1823–1831 32
- 5 “Best Friend of Charleston” locomotive 46
- 6 Gen. Edmund P. Gaines 52
- 7 Horse-drawn train, Baltimore and Ohio Railroad, 1830 82
- 8 Early steam locomotive, Baltimore and Ohio Railroad, 1832 84
- 9 Maj. George W. Whistler 92
- 10 Dennis Hart Mahan, Professor of Engineering at West Point, 1832–1871 100
- 11 Brig. Gen. Joseph G. Totten, Chief Engineer, 1838–1863 106
- 12 Army topographical engineers conducting a survey, 1852 118
- 13 New York militiamen riding on a train, 1860 126
- 14 Damaged track of the Orange and Alexandria Railroad, Virginia, 1862 138
- 15 Maj. Gen. Ulysses S. Grant 144

- 16 Maj. Gen. William T. Sherman 146
- 17 Maj. Gen. Philip H. Sheridan 148
- 18 Buffalo hunt, Kansas Pacific Railroad, ca. 1870 172
- 19 Native American attack on railroad handcar, 1870 178
- 20 Army troops at the Golden Spike Ceremony, May 10, 1869 190
- 21 Idealized relations during the building of the transcontinental  
railroad, 1875 196
- 22 Army camp along the Northern Pacific Railroad, 1877 210
- 23 Port at Tampa, 1898 222