

Contents

Preface	vii
PHILIP SCRANTON	
Introduction: The Garden in the Machine: Toward an Evolutionary History of Technology	1
EDMUND RUSSELL	
Part I: Plants, Profits, Politics, and Power	
“For Profit and Pleasure”: Peter Henderson and the Commercialization of Horticulture in Nineteenth-Century America	19
SUSAN WARREN LANMAN	
Biological Innovation in American Wheat Production: Science, Policy, and Environmental Adaptation	43
ALAN L. OLMSTEAD and PAUL W. RHODE	
Creating an Industrial Plant: The Biotechnology of Sugar Production in Cuba	85
MARK J. SMITH	
Manufacturing Green Gold: Industrial Tree Improvement and the Power of Heredity in the Postwar United States	107
WILLIAM BOYD and SCOTT PRUDHAM	
Part II: Animals, Aggression, Arrogance, and Analysis	
War Horses: Equine Technology in the American Civil War	143
ANN N. GREENE	
Turbo-Cows: Producing a Competitive Animal in the Nineteenth and Early Twentieth Centuries	167
BARBARA ORLAND	
Canine Technologies, Model Patients: The Historical Production of Hemophiliac Dogs in American Biomedicine	191
STEPHEN PEMBERTON	

Making the Chicken of Tomorrow: Reworking Poultry as Commodities and as Creatures, 1945–1990 ROGER HOROWITZ	215
Hogs, Antibiotics, and the Industrial Environments of Postwar Agriculture MARK R. FINLAY	237
Afterword SUSAN R. SCHREPPER	261
Notes on Contributors	267
Index	269