

Contents

ix Acknowledgments

3 Introduction

RICHARD J. OOSTERHOFF

PART I: THE NATURES OF MATTER

13 1. Spirited Matter and Ingenious Nature: Accounting for Alchemical Change

JENNIFER M. RAMPLING

25 2. Deceiving the Senses: The Role of Vapors in Francis Bacon's Natural Philosophy

DOINA-CRISTINA RUSU

36 3. Robert Boyle's Restless Gems

MICHAEL BYCROFT

50 4. *Handsteine*: The Generative Powers of a Mineral Artifact

ANDRÉS VÉLEZ-POSADA

PART II: BODIES, LABOR, AND TECHNIQUE

65 5. Ingenuity, Sweat, and Bloodsour Work in Sixteenth-Century Mining Literature

TINA ASMUSSEN

79 6. Calligraphy and Metamorphosis: Invention and Imitation in a Sixteenth-Century Craft

HANNAH MURPHY

- 94 7. *Ingeniosa peritia*: The Languages of Ingenuity in Italian Renaissance Anatomy
VIKTORIA VON HOFFMANN
- 112 8. The Contested *Ingenia* of Early Modern Anatomy: Continuities and Conflicts in Medical Training at Leiden University, 1592–1678
EVAN R. RAGLAND
- 131 9. From *Ingenuity* to *Genius* and *Technique*: Shifting Concepts in Eighteenth-Century Theories of Art and Craft
MARIEKE M. A. HENDRIKSEN

COLOR PLATES FOLLOW PAGE 142

PART III: CRAFTY MAKERS ON DISPLAY

- 145 10. Ingenious Monks and Their Machines: Trickery and Wonder in Sculptures with Movable Parts in Pre- and Reformation-Era Europe
CHRISTINA NEILSON
- 156 11. Ingenuity in the Garden: From the Poetics of Grafting to Divine Mathematics
DENIS RIBOUILLAULT
- 174 12. A Charlatan's Ingenuity: Juggling, Joking, and Medical Reform in Johann Ernst Burggrav's *Lamp of Life and Death*
VERA KELLER
- 189 13. New World Feathers and the Matter of Early Modern Ingenuity: Digital Microscopes, Period Hands, and Period Eyes
STEFAN HANß
- 203 14. Unpacking Foreign Ingenuity: The German Conquest of Artful Objects with "Indian" Provenance
ANNA GRASSKAMP
- 219 Notes
- 313 Bibliography
- 371 Contributors
- 377 Index