

# The Crafting of the 10,000 Things



[The Crafting of the 10,000 Things\\_ 下载链接1](#)

著者:Dagmar Schäfer

出版者:Universty of Chicago Press

出版时间:2011-5-15

装帧:Hardcover

isbn:9780226735849

The last decades of the Ming dynasty, though plagued by chaos and destruction, saw a significant increase of publications that examined advances in knowledge and technology. Among the numerous guides and reference books that appeared during this period was a series of texts by Song Yingxing (1587–1666?), a minor local official living in southern China. His *Tiangong kaiwu*, the longest and most prominent of these works, documents the extraction and processing of raw materials and the manufacture of goods essential to everyday life, from yeast and wine to paper and ink to boats, carts, and firearms.

In *The Crafting of the 10,000 Things*, Dagmar Schäfer probes this fascinating text and the legacy of its author to shed new light on the development of scientific thinking in China, the purpose of technical writing, and its role in and effects on Chinese history. Meticulously unfolding the layers of Song's personal and cultural life, Schäfer chronicles the factors that motivated Song to transform practical knowledge into written culture. She then examines how Song gained, assessed, and ultimately presented knowledge, and in doing so articulates this era's approaches to rationality, truth, and belief in the study of nature and culture alike. Finally, Schäfer places Song's efforts in conjunction with the work of other Chinese philosophers and writers, before, during, and after his time, and argues that these writings demonstrate collectively a uniquely Chinese way of authorizing technology as a legitimate field of scholarly concern and philosophical knowledge.

Offering an overview of a thousand years of scholarship, *The Crafting of the 10,000 Things* explains the role of technology and crafts in a culture that had an outstandingly successful tradition in this field and was a crucial influence on the technical development of Europe on the eve of the Industrial Revolution.

#### 作者介绍:

薛凤 (Dagmar Schäfer), 德国马普科学史研究所所长、教授。主要研究领域为宋代和明清的知识文化、技术与政治的关系、科学技术思想发展中物质性与管理实践所担当的角色。已出版的著作有《皇帝的丝衣：明代的官营丝织业》(德文版, 1998)、《宫廷与地方：十七至十八世纪的技术交流》(与故宫博物院的学者合编, 中文版, 2012)、《知识文化：中国历史上的技术》(主编, 英文版, 2012) 等以及论文多篇。

#### 目录: Introduction

Knowing “Things and Affairs” in Premodern China

Nature, Crafts, and Knowing

Chapter 1. Private Affairs

The Ming Dynasty and the Song Family

Childhood and Education

Driving Forces—The Appointment of Chen Qixin

Song's Writing Campaign

Chapter 2. Affairs of Honor

Knowledge in Terms of qi: Universal Rulings and Rationality

The Truth in Heaven and the Order of qi

The Power of Heaven—Omens and Eclipses

Systems of Value: The Sage-Kings, the Authority of the Past, and Man's Role

The Knowledge in Crafts

Chapter 3. Public Affairs

Crafts and the Ming State

Man's Nature (xing) and Talents  
Abilities and Education  
Social Permeability and the Commercialization of Society: The Merchant  
Customs and Habits  
Chapter 4. Written Affairs  
Rhetoric of Knowledge Inquiry: Texts and Experience  
Images, Technology and Argument  
Observing the Nature of qi: Theory and Practice in Knowledge Construction  
The Complexity of qi Transformations—Composites and Compositions of qi  
Chapter 5. Formulating the Transformation  
Reading the Signature of yin-yang qi in Gas, Salt, Wind, and Rain  
Growth and Decay: Wood, Corpses, and the Proportional Relation of yin and yang  
Glitches in the Matrix of qi: The Concepts of Ashes and Particles  
Chapter 6. Acoustics  
An Anatomy of Sound  
The Human Voice  
Volume and Velocity  
Resonance and Harmony  
Conclusion. Leaving the Theater  
Epilogue. Aftermath  
By Virtue of Friendship: Literary Sponsorship  
By Virtue of Position: Outside and Opposition  
By Virtue of Loyalty: Moral Obligations  
An Artifact in Transmission: The Editions of the Works of Heaven  
Writing about Practical Knowledge in the Chinese Literati World  
Acknowledgments  
Appendix 1. Chinese Dynasties and Various Rulers  
Appendix 2. Song Yingxing curriculum vitae  
Appendix 3. Editions of the Tiangong kaiwu 天工開物  
Notes  
Bibliography  
Index  
• • • • • ([收起](#))

[The Crafting of the 10,000 Things 下载链接1](#)

标签

海外中国研究

科技史

思想史

历史

中国

科学史

技术史

社会史

评论

思想史角度去解读《天工开物》，作者从族谱资料出发考察宋应星家族并未有从事工艺或劳作的人，宋也是从学者立场去组织这些工艺与技术的知识，把这些看成是可以探究了解“事”与“物”的切入点，了解“天工”的规制为何，以对抗当时道德的不稳定感和权威的思想价值观。

马普所典型的取向，可结项后Dagmar执掌曼彻斯特去了，马普所的中国兴趣也随之不在了，柏林也就去不了了。

宋应星真有她说的那么厉害吗

A splendid example of intellectual biography with the greater concern to establish a non-European concept of Chinese science.

Amazing book

一本漫长的《天工开物》导读。因后世多把这本书看作科技史的文献并随意拆解，作者便侧重于还原《天工开物》的政治野心：揭示material transformation里的普遍性规律，以一个有内在秩序涵盖万物和人事的“气”，代替被理学强加于人事的道德的“天”；理学所依赖的文献推演也被直观观察，记录、实验取

代，这是作者认为宋应星奉行的“知行合一”。然而作者并未对宋书中技术的本体、技术和人的关系做过多哲学上的阐释。看过yuk hui再来想一想.....

-----  
宋應星本人其實沒有搞明白什麼是「氣」，導致作者呈現出來的內容有前後矛盾的地方。但是角度還是很新穎的，畢竟在此之前應該沒有人從intellectual history的角度去研究「天工開物」

-----  
思想史角度去解读《天工开物》，作者从族谱资料出发考察宋应星家族并未有从事工艺或劳作的人，宋也是从学者立场去组织这些工艺与技术的知识，把这些看成是可以探究了解“事”与“物”的切入点，了解“天工”的规制为何，以对抗当时道德的不稳定感和权威的思想价值观。

-----  
[The Crafting of the 10,000 Things\\_下载链接1](#)

## 书评

对宋应星和《天工开物》的考察和阅读意在将这部作品从后世戴有色眼镜的审视中拯救出来。清代编《授时通考》和《古今图书集成》，将《天工开物》视为实用的治国之术，不仅将原书序言等很多部分舍去，而且人为分为两个部分（类似《考工记》的技术部分，类似《农书》的农业部分）...

-----  
[The Crafting of the 10,000 Things\\_下载链接1](#)