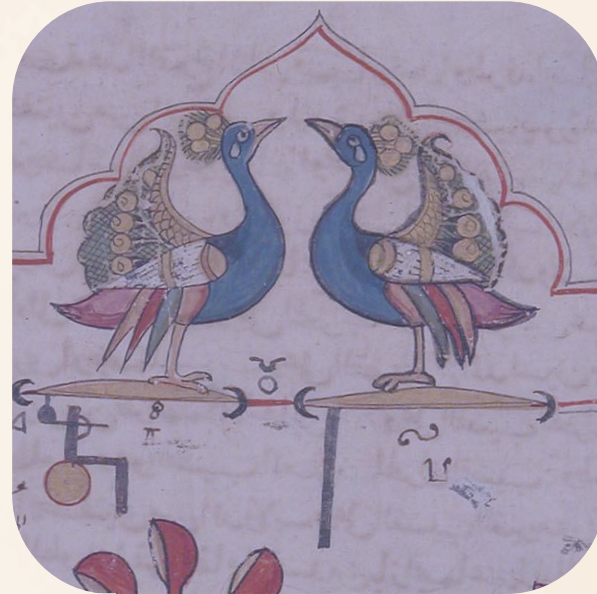


ismail al-jazari

Machine Lab - Nouf Alabbasi

Background information

- **Name:** adi Al-Zaman Abull-Izz Ibn Ismail Ibn Al-Razzaz Al-Jazari.
- **Author of** “the book of knowledge of ingenious mechanical devices”
- **Things that first appeared/ were described in al jazari’s book**
 - Segmental gears
 - Cranks
 - Crankshaft



The Book of Knowledge of Ingenious Mechanical Devices

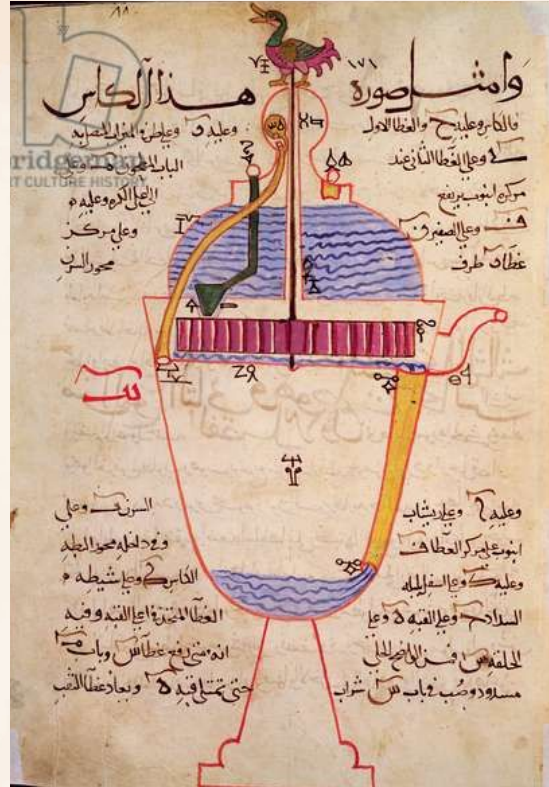
(Kitāb fī ma'rifat al-hiyal al-handasiyya)

by Ibn al-Razzaz al-Jazari

Translated and annotated
by
Donald R. Hill



D Reidel Publishing Company / Dordrecht-Holland / Boston-U.S.A.



THE BOOK OF KNOWLEDGE OF INGENIOUS MECHANICAL DEVICES

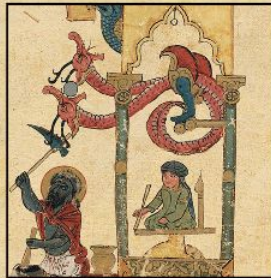


The Elephant Water Clock

Bird moves

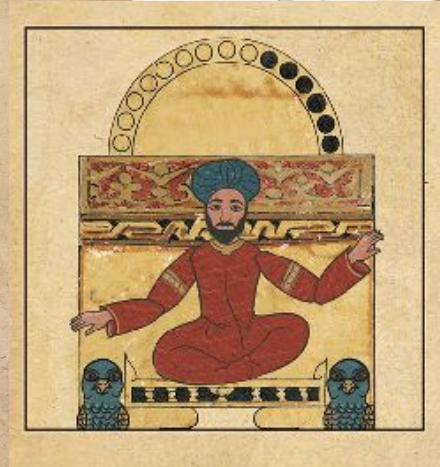
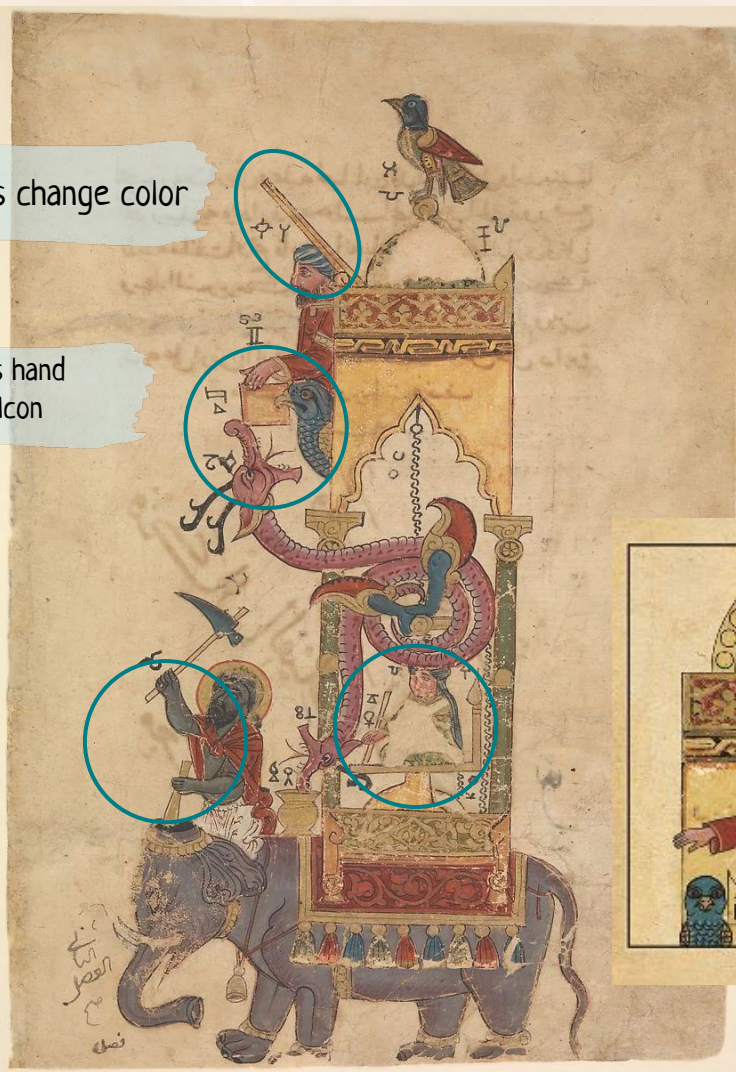


Ball drops



The holes change color

Man moves hand
off of falcon





Man indicates the
minutes per hour





Mahout strikes
elephant

