

Background information

- Name: Badi3 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
- Born in 1136





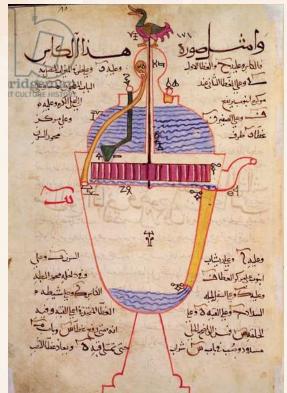
The Book of Knowledge of Ingenious Mechanical Devices

(Kitāb fi ma 'rifat al-hiyal al-handasivya) by Ibn al-Razzaz al-Jazari



Translated and annotated by

Donald R. Hill





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



Chapters in the Book

O Clocks

• Fountains and perpetual flutes

Vessels

• Machines for raising water

• Pitchers, basins, and others

• Miscellaneous



Documentation

He documented the detailed steps of how to build his machine and included hand drawn Illustrations to help visualize the mechanisms







