

Name 1	MAQUETA HORNOS XABECAS (JABECAS)
Name 2	MODEL OF XABECA (JABECA) FURNACES
ID number	001.72.Almadén
Manager / Administrator	Reyes Ávila Bercial, Cerco San Teodoro, s/n, 13400-Almadén (Ciudad Real)
Ownership	Private
Institution	Minas de Almadén y Arrayanes, S.A
Individual	LOANED
Local / Original ID Number	001.001.003.292
Type of Object	Smelting

DESCRIPTION

Short description	"The xabeca furnace is the distillation furnace used in the Arab era (11th–14th centuries) in Almadén, rectangular in shape with a half-barrel dome with holes into which pots full of mercury ore are placed. The phases of its operation are: 1st – The pots are filled with crushed ore and are hermetically closed with a clay lid. 2nd – Firewood is burned inside the furnace until the ideal temperature is reached so that the cinnabar inside the pots begins to volatilize. 3rd – Once the furnace has cooled, the lids are removed and the liquid mercury wrapped in ash and stone is obtained.
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4th – The mixture is washed to remove the mercury.
This furnace system is discontinuous – that is, a “firing” is carried out and then the furnace must be stopped to be emptied and filled again; this system uses a lot of wood for its combustion."

Measures

"length: 1.25m
width: 1.75m
height: 0.90m"

Materials

Papier-mâché

Dating

2008

Author / Producer

Minas de Almadén

Illustrations

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Original use	Museum and didactic use.
Present use	Museum and didactic use.
Original location	Mercury Museum (Mining Park)
Present location	Mercury Museum (Mining Park)

STATE OF CONSERVATION

History of conservation:	
Present state	good
Necessary activities:	

DOCUMENTATION

Addresses /collections/links etc. where further in-depth information is accessible:	www.parqueminerodealmaden.es
Submitted	AYUNTAMIENTO ALMADEN
Submitted by	Águeda Moyano & Alicia Escudero
Date Submitted	26. 4. 2022

Date Edited

Never
