

Name 1	DRILLING HAMMER 1
Name 2	/
ID number	002.162.Idrija
Manager / Administrator	Idrija Municipal Museum, Prelovčeva 9, SI-5280 Idrija
Ownership	Public
Owner	Municipality of Idrija, Mestni trg 1, SI-5280 Idrija
Local / Original ID Number	510:IDR;RZ-402
Type of Object	Mine

DESCRIPTION

Short description	The light drilling hammer (hamar) is powered by compressed air. It is composed of the housing with a handle, the opening for the entry of compressed air – there is a disc valve inside, two valves for redirection of air and a piston. The hammer has a clamp for a hexagon drill (s = 25 mm). The hammer has the following marking signs: next to the drill clamp – 49 P021 7111, on the housing – 1 PO 21 89185 7410; on the handle – B.2., on the housing under the handle – 150 P021.
Measures	Length 42 cm, width 20.5 cm, height 13 cm.
Materials	Steel, rubber.

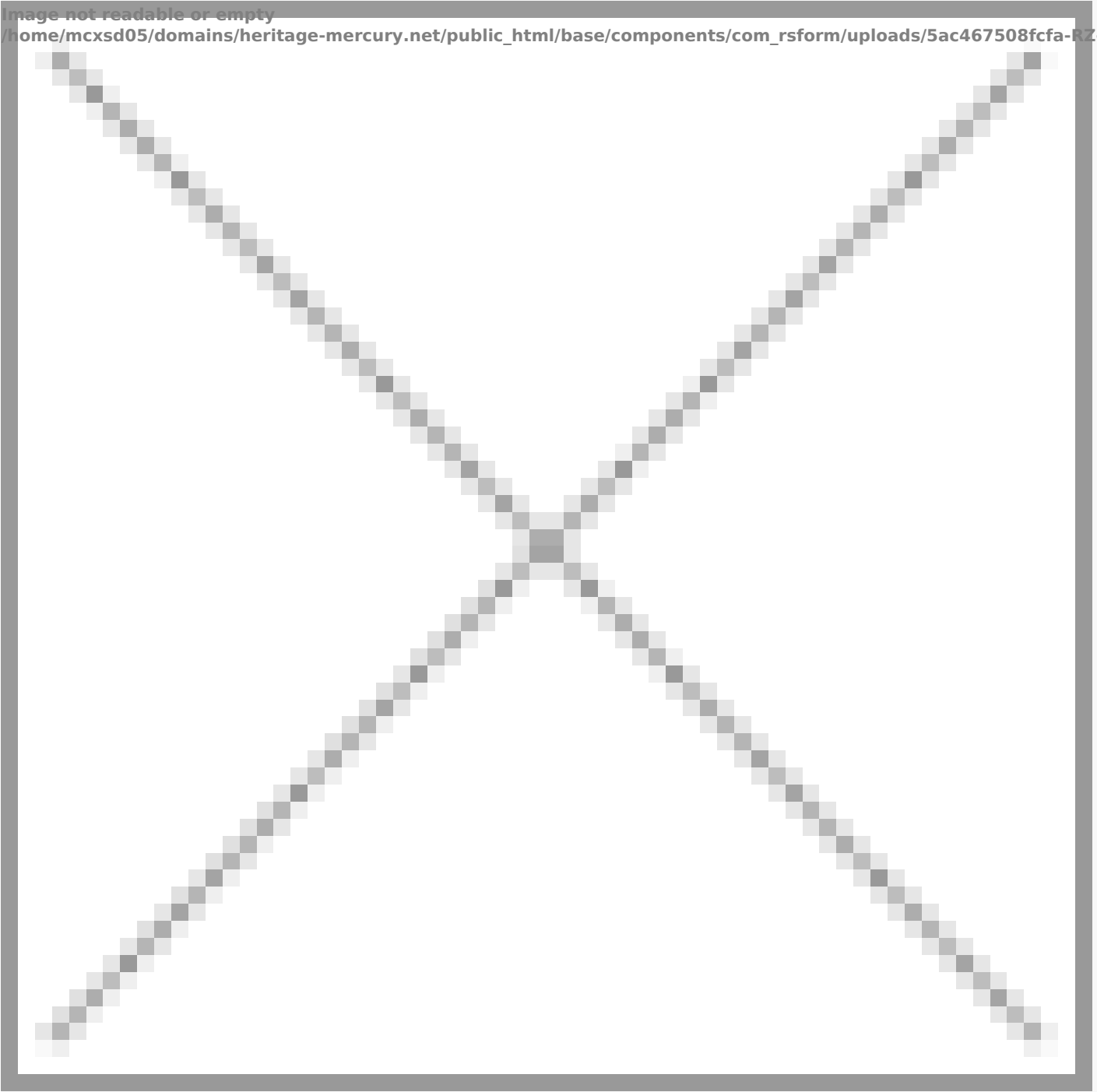
Dating

First half of the 20th century

Author / Producer

Flottmann, Herne (Germany).

Picture
attachments



Original use

Machine drilling was introduced in the Idrija Mine in 1874. The drilling hammer was used for drilling wells in harder rocks for ore excavation in the Idrija Mercury Mine. In 1914, the mining administration decided to set the compressor station on the IV. horizon (183 m under the surface), which, among other things, powered 15 drilling machines on compressed air. In a drilling hammer, a piston was hitting, in regular intervals, the drill with a blade, just like the hammer on the chisel. While returning, the piston rotated in a specific angle and the drill also rotated. This rotation allowed the blade to gradually hit the entire surface of the well. At the excavating area, a digger and auxiliary digger drilled holes in the rock. Openings were then filled with gunpowder, later on with dynamite, and were filled with clay rolls. Drilling caused a lot of fine dust, which settled in the lungs of the miners and caused an illness called silicosis.

Present use

The light drilling hammer is being preserved, secured and presented as important mining heritage of Idrija with exceptional universal values. It is a part of the mine collection. Visitors can view it within the permanent exhibition "Five Centuries of the Mercury Mine and the Town of Idrija". It can also be used for different types of mercury heritage promotions.

Original location

Idrija Mercury Mine.

Present location

Idrija Municipal Museum, Gewerkenegg Castle (showroom 1).

STATE OF CONSERVATION**History of conservation:**

The object is not complete, since one external connective cradle is missing. Before 1995, it was fully conserved for the needs of the permanent museum exhibition. Additional interventions are not necessary. Security of the premises is

	taken care of.
Present state	good
Necessary activities:	Regular seasonal maintenance.

DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- Inventory Book of the Idrija Municipal Museum.
Submitted	Mestni muzej Idrija
Submitted by	Miha Kosmač
Date Submitted	5. 3. 2018
Date Edited	Never
