

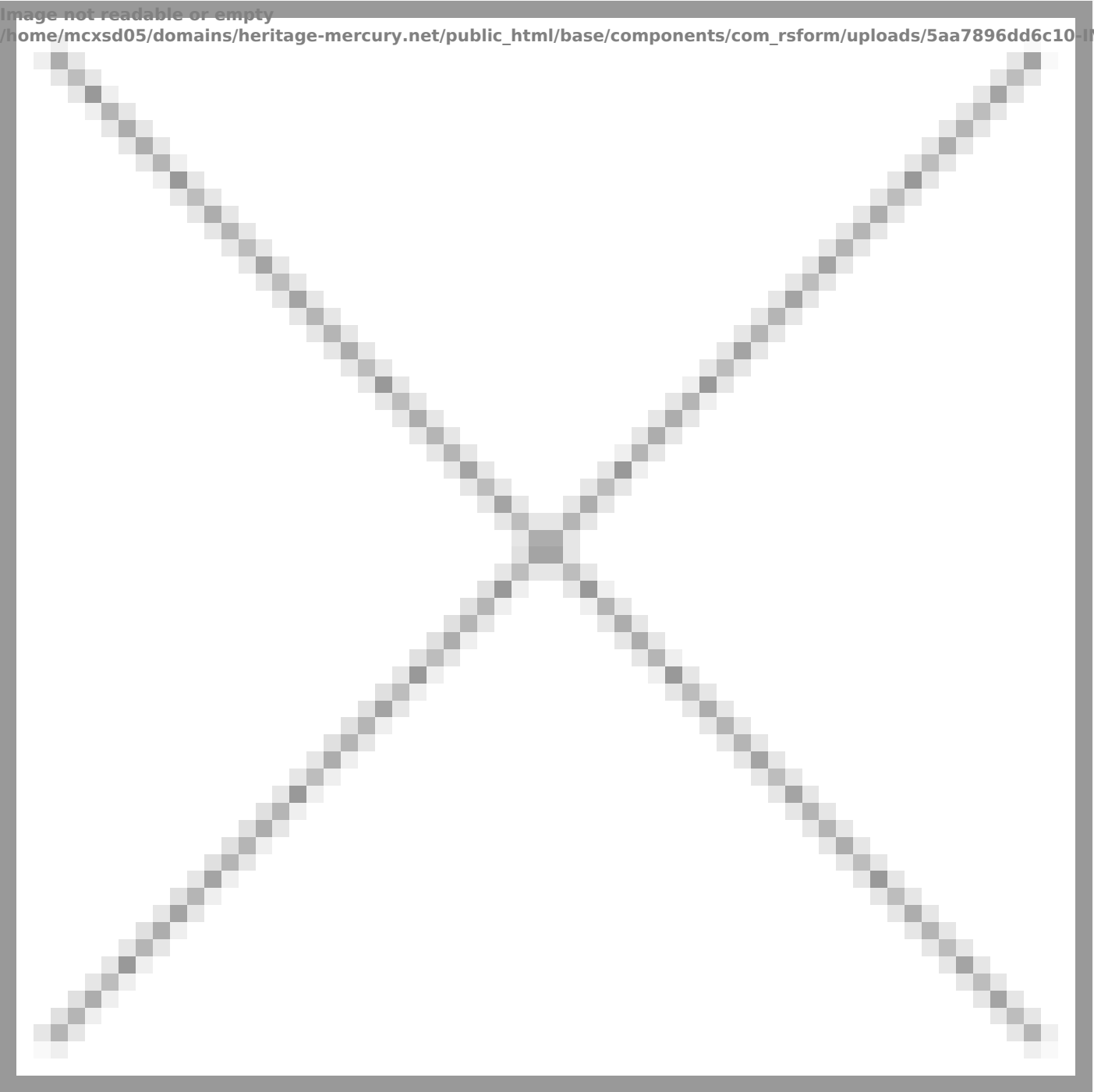
|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| <b>Name 1</b>                     | CARBIDE LAMP 4                                        |
| <b>Name 2</b>                     | /                                                     |
| <b>ID number</b>                  | 002.199.Idrija                                        |
| <b>Manager / Administrator</b>    | Idrija Municipal Museum, Prelovčeva 9, SI-5280 Idrija |
| <b>Ownership</b>                  | Public                                                |
| <b>Owner</b>                      | Municipality of Idrija, Mestni trg 1, SI-5280 Idrija  |
| <b>Local / Original ID Number</b> | 510:IDR;RZ-583                                        |
| <b>Type of Object</b>             | Mine, Daily life                                      |

## DESCRIPTION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Short description</b> | <p>According to its height, it is a smaller specimen of Italian military manufacturing. It is composed of two round parts. In the lower part the carbide is stored, its loading, and in general the closing of the carbide lamp is enabled by the pins on the side. The upper part contains water. The water flow is regulated with a regulator (a lever at the top). The burner ("brener") – conus thread, is missing. Its supporting part is attached to the surface of the bottom part of the carbide lamp, in an "L" shape. The carbide lamp does not have a handle and a light reflector in its design. It does, however, have a semicircular-shaped hook. In front of the lamp, there is a brass plate with the manufacturer's name engraved.</p> |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>Measures</b>          | Diameter 7.2 cm, height 16 cm.       |
| <b>Materials</b>         | Iron, copper.                        |
| <b>Dating</b>            | The beginning of the 20th century.   |
| <b>Author / Producer</b> | Freimann und Wolf, G.m.b.H, Zwickau. |

Picture  
attachments







**Original use**

For carbide lamp operation, optimum water flow was crucial. The water dripped from the upper part of the carbide lamp onto the carbide (in the lower part), and the process was regulated. Carbide in contact with water produced the gas for the lighting – acetylene. These lamps gave off more than three to four times more light than oil lamps and were also more affordable. The carbide lamp of Italian manufacturing was initially used for military purposes. Later, the miners used it for going into and out of the pit and to light the area of the ore digging. They were also used for private purposes – for various tasks such as bobbin lacemaking and socialising in the evenings. They were also a good indicators of gas in the pit, as they turned off when the concentration of the gas was too strong. The handle was used for hanging the lamp on the belt. The hook was used for hanging the lamp on the beam or the rock crack. In 1960s, they started using battery lamps for working in the pit. The miners mostly sold their carbide lamps to the surrounding villages of Idrija, where there were used until electrification (1970s).

**Present use**

The described carbide lamp is being preserved, secured and presented as an important mining heritage of Idrija with exceptional universal values. It is a part of the mine collection of the Idrija Municipal Museum. Visitors can view it within the permanent museum exhibition “Five Centuries of the Mercury Mine and the Town of Idrija”. It can be used for different types of mercury heritage promotions.

**Original location**

Idrija Mercury Mine (personal, working equipment of a miner).

**Present location**

Idrija Municipal Museum, Gewerkenegg Castle (showroom 7).

**STATE OF CONSERVATION****History of**

|                              |                                                                                                                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>conservation:</b>         | The carbide lamp is fully preserved, with the exception of the water regulator and the burner. A conservation procedure was performed on it. All inner and outer parts of the lamp were cleaned and protected. Additional interventions are not necessary. Security of the premises is taken care of. |
| <b>Present state</b>         | good                                                                                                                                                                                                                                                                                                  |
| <b>Necessary activities:</b> | Regular seasonal maintenance.                                                                                                                                                                                                                                                                         |

## DOCUMENTATION

|                                                                                               |                                                  |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Addresses / collections / links etc. where further in-depth information is accessible:</b> | - Inventory Book of the Idrija Municipal Museum. |
| <b>Submitted</b>                                                                              | Mestni muzej Idrija                              |
| <b>Submitted by</b>                                                                           | Miha Kosmač                                      |
| <b>Date Submitted</b>                                                                         | 6. 3. 2018                                       |
| <b>Date Edited</b>                                                                            | Never                                            |

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