

Name 1	SAFETY LAMP 6
Name 2	/
ID number	002.207.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-650
Type of Object	Mine, Daily life

DESCRIPTION

Short description	The main parts of a three-tier lamp are a carbide chamber, a glass cylinder, a double net, a lighter and a lock. It has a steel cover on the top, which has a hook for carrying the lamp. There is a glass cylinder under the cover, which has a scale marked for methane or carbon dioxide concentration reading. The cylinder has a tightly woven double wire net inside. Above the petrol tank, there is a magnetic safety lock. It also has a plate with the inscription and the labels of the manufacturer.
Measures	Diameter 8 cm, height 43 cm.
Materials	Steel, brass, glass.

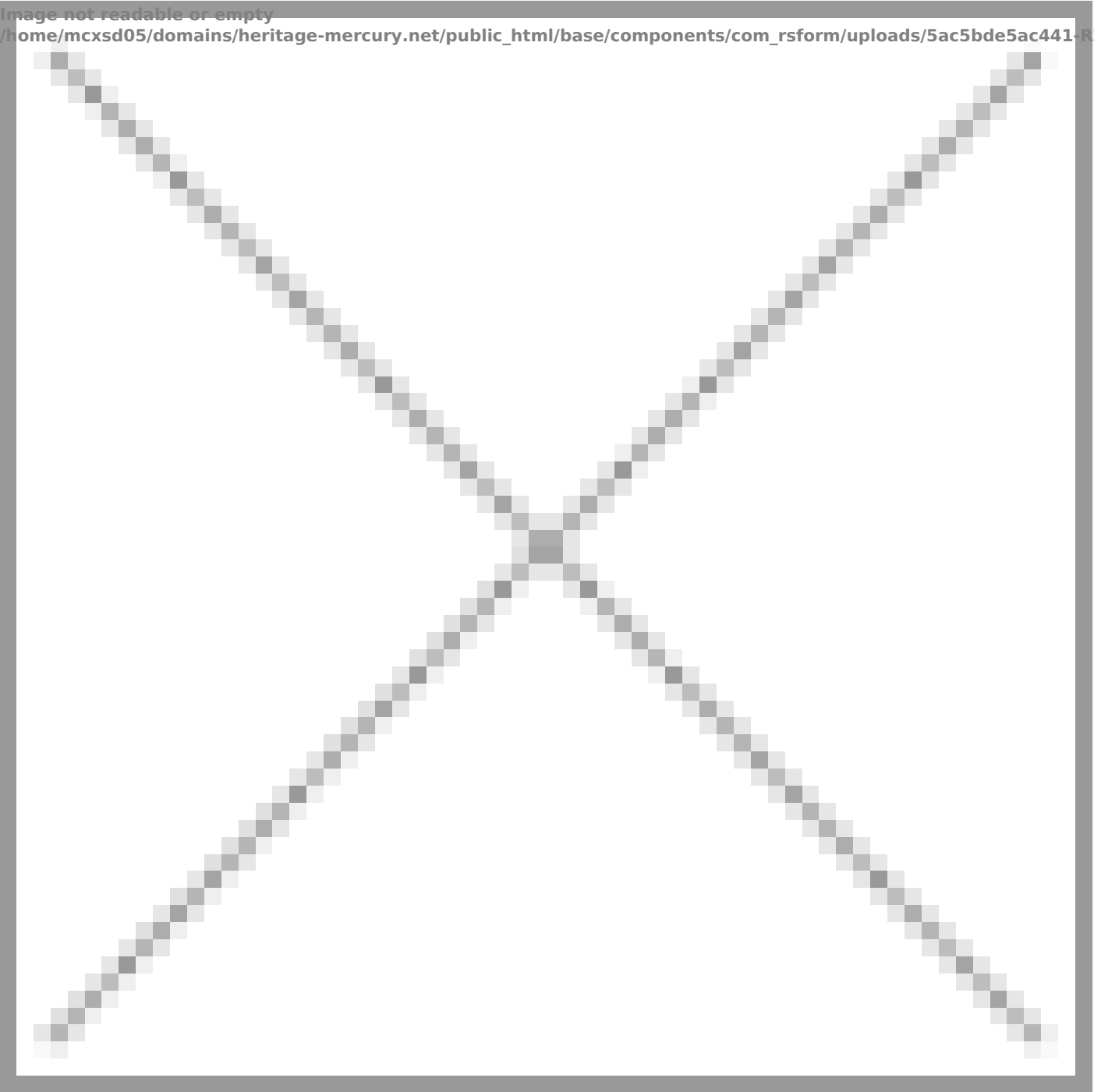
Dating

End of the 19th century.

Author / Producer

Freimann und Wolf, G.m.b.H, Zwickau.

Picture
attachments



Original use

The safety lamp was used for determining the presence of methane or carbon dioxide, at the site of the Idrija Mercury Mine, in the 19th century to the middle of the 20th century. There was a carbide tank with a wick under the glass cylinder, which enabled the petrol to burn in the lamp. The flame was visible through the glass cylinder and according to the flame height the concentration of the gas was visible on the scale. Double implementation of the net above the flame prevented the inner flame in the lamp from igniting the mixture of oxygen and pit gas, which might have appeared on the site. The pit air passed through the nets to the flame. The presence of methane in the atmosphere increased the flame, and the flame died if there was a lack of oxygen. The magnetic safety lock prevented the unauthorised opening of the lamp on the site.

Present use

The safety lamp is being preserved, secured and presented as important mining heritage of Idrija with exceptional universal values. It is a part of the mine collection of the Idrija Municipal Museum. It is stored in the depot. It can be used for temporary museum exhibitions and for other types of mercury heritage promotions.

Original location

Idrija Mercury Mine.

Present location

Idrija Municipal Museum, depot Prelovčeva 2.

STATE OF CONSERVATION**History of conservation:**

The safety lamp is appropriately preserved. It needs to be cleaned. Security of the premises is taken care of.

Present state

good

Necessary

activities:	Regular seasonal maintenance.
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DOCUMENTATION

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