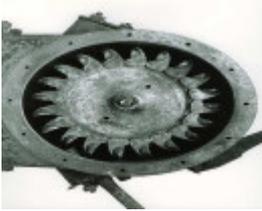

Pelton Wheel Driven Single Drum Winch



B5270 Pelton Drum Winch

Location

Bendigo Mining Museum,, BENDIGO VIC 3550 - Property No B5270

Municipality

GREATER BENDIGO CITY

Level of significance

State

Heritage Listing

National Trust

Statement of Significance

Last updated on - April 11, 2008

The designer has very elegantly solved the problem of coupling the pelton wheel (essentially a low torque high speed uni-directional device) to the winch drum (a bi-directional device requiring high torque at low speeds) by means of epicyclic gearing. This maintains the respective input and output shafts parallel and allows the housing to be extremely compact. The arrangement also has the advantage that the winch may be operated with the wheel locked or the wheel may be run up to speed before the winch brake is released. Provision has been made in the housing to insert the nozzle (directing the jet of water onto the wheel) into either of two positions so that the wheel motion may be in either direction as desired.

Classified: 27/07/1982

Hermes Number 70086

Property Number

This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.

For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>