

Comparisons

Mori Nizaemon Telescopes



Mori Nizaemon Comparison

- Mori Nizaemon Masatomi

森仁左衛門正富

- Mori Nizaemon Masakatsu

森仁左衛門正勝

Mori Nizaemon Masatomi Telescope
WOLF TELESCOPES ID#HRA28



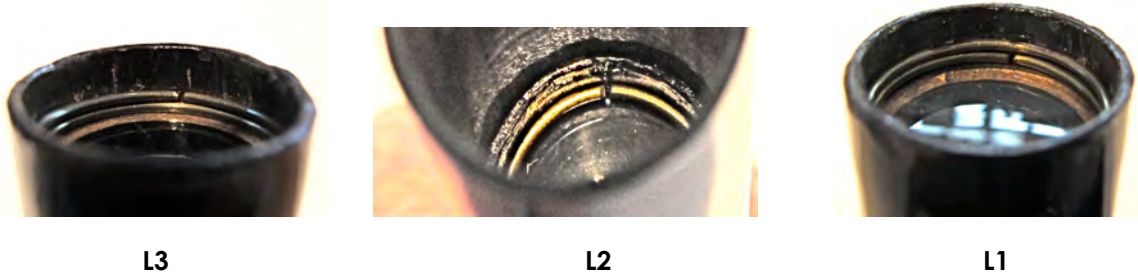
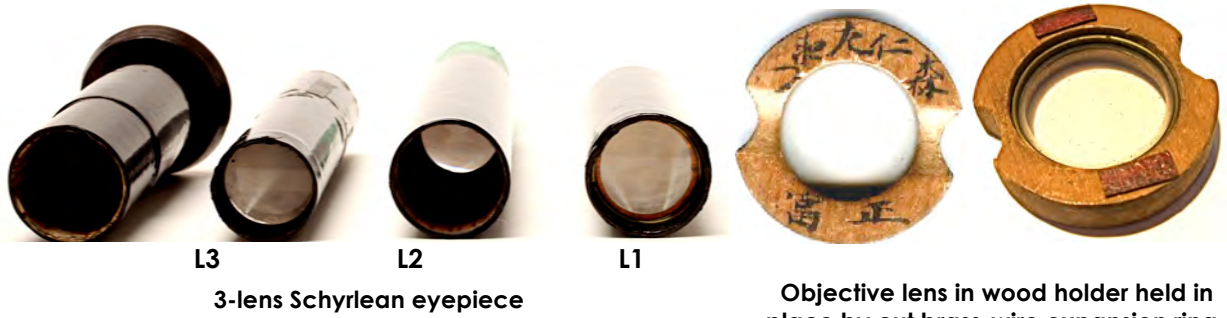
91-mm Mori Nizaemon Masakatu refracting telescope, c. 1717. Telescope owned by Ginrei Restaurant located at the Nagasaki Museum of History and Culture, Nagasaki, Japan.
Photo: Courtesy of Prof. Tsuko Nakamura who took the original photo.



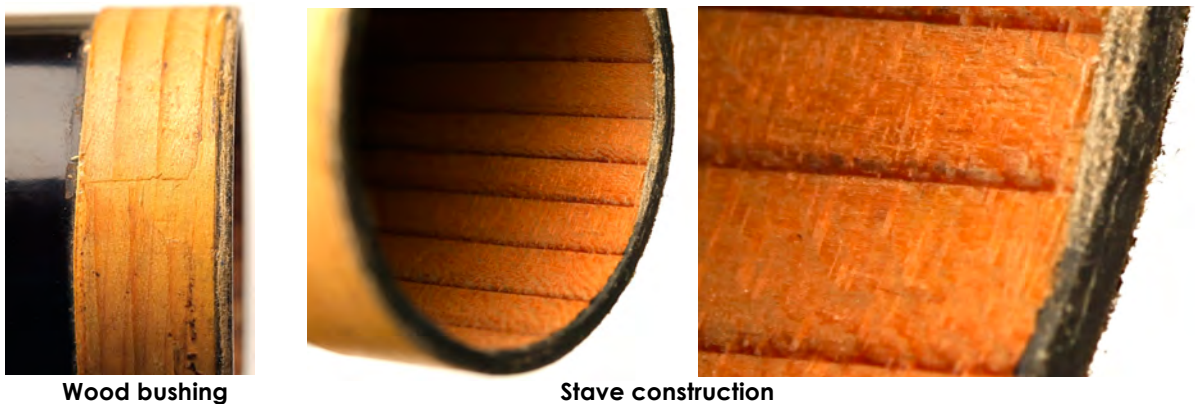
17-mm Mori Nizaemon Masatomi refracting telescope, c. 1690-1840? (Wolf Collection HRA28)

Mori Nizaemon Masatomi Telescope
WOLF TELESCOPES ID#HRA28

Some details of construction



All three eyepiece lenses are held in position by two brass-wire expansion rings within the parchment tubes.



Stave construction of the main tube and 3-draw tubes is suggestive of an early origin perhaps late 17th century?

**Mori Nizaemon Masatomi Telescope
WOLF TELESCOPES ID#HRA28**

Comparisons with 78mm Mori Nizaemon Masakatsu Telescope, Kobe City Museum

This telescope is owned by Kobe City Museum.

Photos of this telescope courtesy of Prof. Tsuko Nakamura, Japan, who also took the photographs.

**The Masatomi photos are enlarged relative to actual size comparison
with Masakatsu telescope which is a much larger telescope**



**Masatomi: Eyepiece lenses held
by 2 brass wire expansion rings**



**Masakatsu: Eyepiece lenses held by
twisted two-wire brass expansion ring**



**Masatomi
Hand brush-stroked signature**



**Masakatsu
stamped signature**

**Mori Nizaemon Masatomi Telescope
WOLF TELESCOPES ID#HRA28**

Comparisons with 91mm Mori Nizaemon Masakatsu Telescope

**This telescope is owned by Ginrei Restaurant located
at the Nagasaki Museum of History and Culture, Nagasaki, Japan.**

*Photos of this telescope are presented here and in the following page courtesy
of Prof. Tsuko Nakamura, Japan, who also took the photographs.*

**The Masatomi photos are enlarged relative to actual size comparison
with Masakatsu telescope which is a much larger telescope**



Stave construction of tubes

Masatomi



Non-stave construction of tubes

Masakatsu

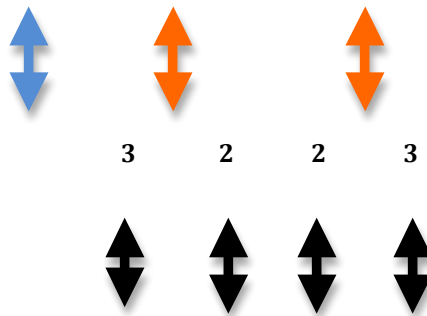
Masatomi Telescope
WOLF TELESCOPES ID#HRA28

[Similarities with Mori Nizaemon Masakatsu Telescope, Ginrei Restaurant, Nagasaki]



Masakatsu (mid-tube decoration)

Same main pattern, Botan-Karakusa.
Same patterns within 2 of 3 bands



Same number of rings
within a 3-band decoration



Masatomi (end of tube decoration)

