

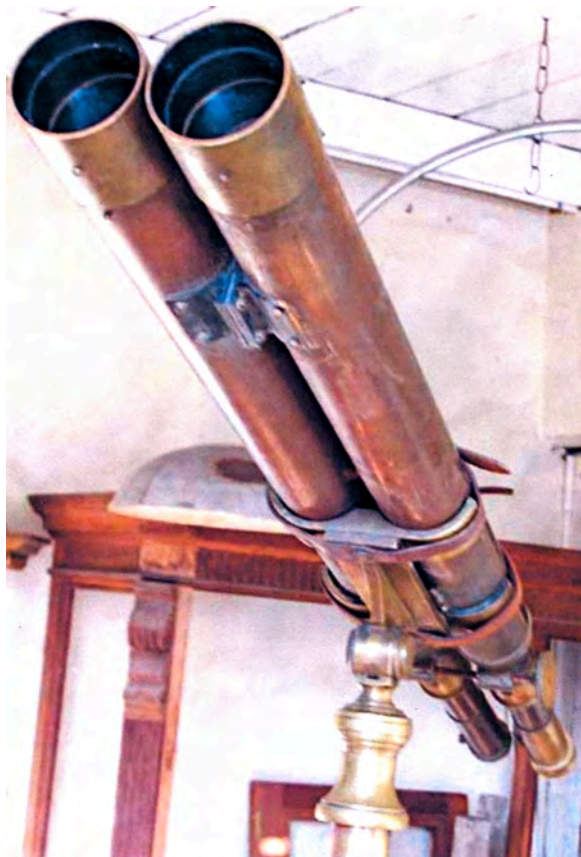
FBRA3 (30-75) x60-mm Mailhat Binocular Refracting Telescope: Restoration

Issue: Binocular telescope arrived in the following condition:

- 1) Parts were heavily rusted and there was bad brass corrosion
- 2) The brass keeper bolt and flange that held the walnut column to the tripod were lost during shipment
- 3) The right brass eyepiece cover/cap with aperture was missing

Solution: Designed and fabricated a new brass keeper bolt and flange as well as copied and fabricated the missing brass eyepiece cover. The instrument was then refinished due to heavy corrosion.

Photo Credit: "Before" restoration photos, courtesy Arlequin Art, Lima, Peru.



Before restoration, photographed in Lima, Peru



As restored

FBRA3 30-75x60-mm Mailhat Binocular Refracting Telescope: Restoration



Original keeper fastener and brass flange were lost during shipment - only bolt left



New custom threaded brass cylindrical fastener



View from below with new flange now in view.



Replaced missing right brass eyepiece cover with new custom brass eyepiece cover, which was designed from left eyepiece cover.



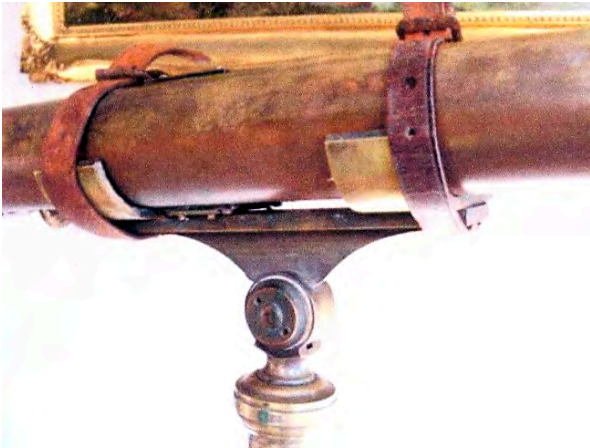
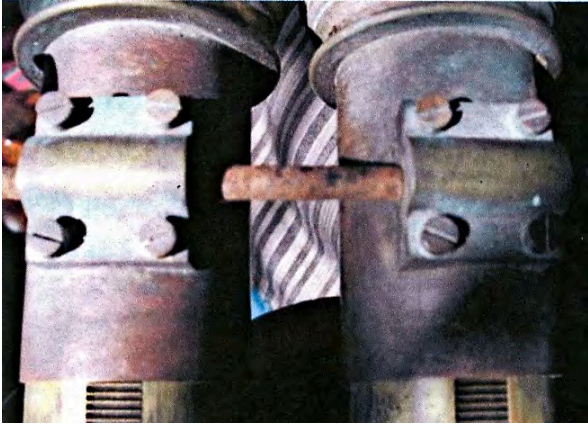
As received



As restored



FBRA3 30-75x60-mm Mailhat Binocular Refracting Telescope: Restoration



As received

As restored



As Received



As Restored

Maker's Name Plate:
FBRA3 (40x-70x) x60-mm R. Mailat Binocular Reflecting Telescope, c. >1894