

TRE10 Troughton & Simms Reflecting Telescope: Restoration

Issue:

1) As received the condition of the telescope was rough. The telescope was badly dented and heavily corroded. It also came with two non-original slow-motion adjuster rods, but otherwise was sound and complete.

2) Even though the telescope was made prior to the advent of silvered glass primary mirrors, this telescope has an early refitted glass primary mirror, but of poor silver quality.

Action:

1) Restoration of total telescope was undertaken, but leaving the original refitted later glass mirror (c. 1860s?) as received; this included a period slow motion adjuster. Because of the stacked arrangement of the adjusters (one above the other), a second adjuster rod hangs awkwardly on top of the other. Therefore, functionally the one adjuster can be readily and easily used for either the altitude or azimuth positional adjustment.

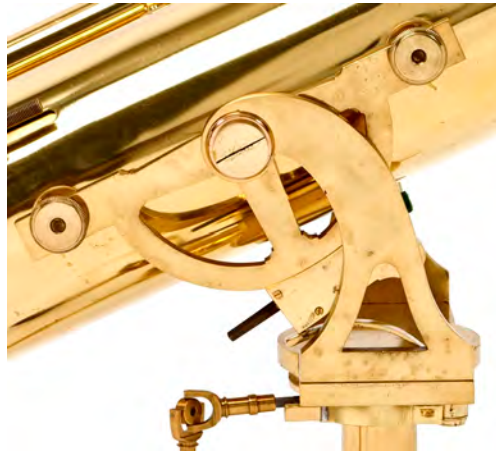


As Received



As Restored

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(sideview)

Stacked slow-motion adjusters make the use of two adjuster rods awkward with the top rod lying near direct on the lower adjuster; perhaps using a single adjuster was the original configuration, or alternatively a small knurled brass extension rod could have been used similar to TRE8.



Rear view of the stacked adjuster connections

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Done