

SHIN BOOK & PAPER CONSERVATION

TREATMENT REPORT

1. Description & Condition



Title: *Medical Essays and Observations*, vol. 5, part 1

Creator: Revised and published by A Society in Edinburgh

Location: Edinburgh: Printed by T. W. and T. Ruddimans

Date: 1742

Dimensions: H 20.1cm x W 13.2cm x T 3.6cm

Description: The binding is in full leather over laminated boards. Each board has a gilt double-line border, and the spine has gilt horizontal double-lines and a gold-tooled central motifs on each panel. The second panel from the top has a gold-tooled title on a red leather label. The spine has a tight, mildly rounded back and tight joints with five false raised cords. Textblock edges are cut, trimmed, and colored solid red. The paper textblock is abbreviated sewn on three cord supports with linen threads. Front bead endbands are sewn with plain linen thread over a rolled paper core. The textblock includes plain endleaves and primarily consists of four folios in each gathering with several foldouts. The text is printed in black ink.

Condition: Both outer joints are fully split, leaving the boards tentatively attached. The front board is held by the sewing supports, while the back board is secured only by pressure-sensitive tape on the inner hinge. The leather is heavily abraded and delaminated, exposing the boards at the corners and resulting in missing endcaps. The textblock shows overall surface grime and various staining. A few leaves have minor tears and folded corners.

2. Treatment Report

Treatment Description	Treatment Hours
1. Took before treatment photographs of the volume	3.5 hours
2. Surface cleaned the volume overall using cosmetic sponges.	
3. Mechanically removed tape from the back inner hinge.	
4. Created sewing extensions by threading 25/3 linen thread through the centerfold of the third section, exiting adjacent to the sewing supports on the spine (Fraser's sewing extension method). The thread ends were passed through the sewing supports, looped around the board edge to secure the board in place, and trimmed. The same process was repeated for the back.	
5. Reinforced the inner hinges by adding a strip of Uso Mino Thin using WSP.	
6. Toned 9 gsm Tengujo with Golden acrylics to match the leather color.	
7. Lifted the leather covering along the board edges. Inserted and attached the toned Tengujo beneath the leather, extending it to the spine, using Lascaux 498HV.	
8. Consolidated the leather using 2% Klucel-G in ethanol.	

9. Mended tears on the last two leaves and a foldout plate using toned Tengujo and WSP.
 10. Took after treatment photographs of the volume.
-

3. Preservation Notes & Recommendations

- Store the book away from direct sunlight. Avoid housing or display in areas subject to extreme or fluctuating temperature and relative humidity, such as attics or basements. A stable, climate-controlled environment is best for the long-term preservation of the leather bindings.

4. Photo Documentation

All treated items were photo documented. Before and after treatment images are available in [this link](#). Photos will be retained for 30 days from the report date—make sure to download them before then. Please reach out if you have any trouble accessing the images.

5. Materials Used

- 4% methylcellulose
- Zen Shofu wheat starch paste
- 2% Klucel-G in ethanol
- Lascaux 498HV
- Golden acrylics
- Uso Mino Thin (12 gsm)
- Tengujo machine-made (9 gsm)
- 25/3 linen thread