Preservation Lab - Treatment Report

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<th>Database ID</th>
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<tr>
<td>845</td>
<td>151</td>
<td>i49068908</td>
<td>4/26/2012</td>
<td>Ashleigh Schieszer</td>
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Department
Winkler Center

Call Number
DRAKE WB 700 D76In 1815

Date Returned to Origin

Title
Natural and Statistical View; or Picture of Cincinnati and The Miami County, illustrated by maps

Author
Drake, Daniel

DESCRIPTION:

General Remarks
This was a heavily used binding that contains a folk leather repair on the spine. This binding was given to the University of Cincinnati by Daniel Drake’s grandson. This copy appears to be the same impression as i49068945, but may have been a separate issue. It contains a higher quality paper, but is missing the second foldout map. The front foldout map appears to have originally been located in front of the title page, whereas the first foldout map of the Ohio River is located after pp. 34 in the other Winkler copy currently in the lab for conservation (i4906845). The same map of the Ohio River is oriented and folded differently in these two copies. In this copy, the Ohio River runs along the gutter and is sewn into the textblock along the bottom of the map. In the other copy, the map located on pp. 34 is oriented so the Ohio River runs along the bottom edge and is sewn into the textblock along the right side. For further details, see the treatment photography. Both copies are bound in marbled tree calf leather; however this copy originally contained double gilt lines along the spine panels, whereas the other Winkler copy contains double blind lines.

Binding
The binding is a full leather tightback binding that is most likely contemporary to the text. Because of leather deterioration, it is difficult to tell the type of leather decoration. The leather is either decorated with mOTTLED sprinkles or marbling. The boards are millboard.

Textblock
The textblock is sewn onto four sawn in cords that sit in recessed kerfs.

Primary Support
The textblock paper is a light beige (handmade?) wove paper.

Medium
Black printed ink throughout the textblock.

Attachments|Inserts
There is one fold out map in front of the title page containing a copper engraving of Cincinnati and the Ohio River.

Housing
None

CONDITION:

Summary
This binding is in severe condition. With the original binding deteriorated, the addition of a leather sheep skin repair was placed on the spine at some point in the object’s history. Since this repair, the cover has become detached from the textblock. The textblock is broken in numerous places and the leather repair is torn and brittle.

Binding
The full leather decorated binding is heavily worn. In many areas there is a loss of the upper grain layer. The leather is missing from the board edges. The head fore edge corner of the upper board is broken and in danger of becoming detached. The leather sheep skin repair, adhered along the spine over the full leather binding, is torn along the tail and the head, especially along the upper joint. The repair leather exhibits characteristic sheep skin condition issues such as peeling away of the upper grain leather. Both leathers suffer from red rot.

Textblock
The textblock sewing is broken at the sewing supports in numerous places throughout the textblock due to the brittle nature of the spine linings and tightback binding. The textblock is separated into six sections.
Primary Support
The paper has discolored overall to beige. There is foxing throughout. Many of the leaves are dirty. The front fly leaves and title page are heavily soiled, most likely from soot.

Medium
The printed ink is in excellent condition.

Housing

Housing Narrative
N/A

Attachments/Inserts
The front fold out map is detached from the textblock. Where it is folded, it is torn in numerous places. Previous tears through the center of the map have been repaired.

Previous Treatment
The foldout map has been repaired on the verso with large fabric repairs. The adhesive used in the repair is discolored and has stained the recto of the map.

Materials Analysis

TREATMENT:

Proposal
1. Surface clean the textblock and foldout map to lift loose dirt.
2. Repair tears throughout the detached foldout map.
3. Fully detach the leather spine from the text block.
4. Remove brittle spine linings on the textblock and reline to restore flexibility in opening and consolidate textblock.
5. Repair tears and weak areas of the leather spine.
6. Consolidate peeling leather.
7. Reattach foldout map and cover to textblock.
8. Repair the break in upper board corner.

Housing Need
Tuxedo Box

Factors Influencing Treatment
Since the cover is tight to the textblock, the breaks in the textblock sewing will not be re-sewn to avoid adding additional thickness to the textblock that may prevent the cover from properly fitting. Instead, since the textblock sewing throughout the gathering appears only broken along the spine, the breaks in the textblock will be rejoined by lining the spine overall with kozo tissue and wheat starch paste.

Performed Treatment
1. The textblock and foldout map were surface cleaned with Absorbene smoke sponges [0.25 hrs].
2. Tears throughout the detached foldout map were repaired with methyl cellulose and toned Tengujo handmade kozo paper [1 hr].
3. The leather spine was detached from the text block spine mechanically in order to reline the spine, but was left attached at the lower cover. Once the leather was detached along the lower spine, the vestige of double gilt bands of tooling were revealed around the sewing supports. There does not appear to be any evidence of false bands [0.15].
4. The brittle spine linings on the textblock were softened with methyl cellulose and relined with Uso Mino kozo tissue and Zen Shofu wheat starch paste [1.5 hr].
5. Tears and weak areas of the leather spine were repaired with Uso Mino tissue toned with Golden acrylics. Both wheat starch paste and 498 HV was used to adhere the repairs [0.75 hr].
6. The peeling leather bits on the spine were tacked back down using 498 HV.
7. An Uso Mino hinge was attached to the gutter edge of the foldout map with wheat starch paste. The foldout map was hinged to the textblock, placing it in its original place in front of the title page. An outline from dirt accumulation on the title page helped guide proper placement [0.15 hr].
8. The break in the upper board corner was repaired by inserting a Kozo tissue shim with HV 498 [0.15 hr].
9. The spine was lined overall with Uso Mino tissue and wheat starch paste with an upper flange for board reattachment.
10. The upper pastedown was mechanically lifted with a Casselli spatula.
11. The Uso Mino upper flange was adhered beneath the pastedown with wheat starch paste. The upper pastedown was adhered back down on top of the flange with wheat starch paste. [AS 0.5 hrs]

Housing Provided
Tuxedo Box

Housing Narrative
Storage Recommendations and Handling notes
Handle carefully using a cradle; do not open the book fully, instead open at an acute angle to protect the textblock gatherings from becoming loose.

TOTAL Treatment Time
5.0 hrs