

University of Iowa Libraries Conservation Treatment Report

Call Number	BX2170 .C55 E5 1655 UI Special Collections x-Collection	Publication Date	c. 1655-59
Title	Lux evangelica sub velum sacrorum emblematum recondita in anni dominicas, selecta historia & morali doctrina varie adumbrata	Publisher	Amsterdam: Coloniae, Prostant apud I. à Meurs Amstelodami
Author	Henricus Engelgrave	Conservator	Katarina Stiller
Date Examined	9/30/23	Contact	
Date Returned	2/15/24	Language	Latin
Selection Method		Barcode	31858072505062
Format	printed book; 3 volumes in 4; engraved illustrations	Photography	
Housing	none	Ownership mark	

Context Contains a selected history and moral doctrines for each Sunday.

Media

- Black, printed text and engravings.
- Black ink annotations.

Support (14.5 x 8.8 x 3.8) cm

- Handmade, laid paper.
- Marbled pastedown and made flyleaves.
- Flat spine that is backed.
- Each section consists of 6 bifolia.

Binding (15 x 9 x 4) cm

- Likely a rebinding; small textblock margins (particularly at head); abbreviated, recessed sewing.
- Half bound with marbled paper on covers.
- Lines tooled on leather corners and near spine.
- Abbreviated sewing on six recessed cords.
- Fragment of stuck-on endband at tail.
- Paper lining and leather on spine.

Presence of Foreign Substances

- Surface dirt overall. Minor loss near tail of leaves throughout the majority of the textblock from insects.

Structural Change

- Both boards are detached.
- The majority of the spine covering and paper linings are lost.
- The textblock sewing is loose, and several of the sections are mostly or completely detached.
- There are minor tears and holes in the textblock throughout, particularly in the gutter region.
- The boards have abrasions and loss overall, particularly around the corners.
- Loss on the front board corner exposes textblock somewhat.
- The textblock spine shape is deformed, affecting alignment of leaves.
- The leather is severely degraded overall.

Treatment Proposal

1. Disbind book by cleaning spine with methylcellulose poultice and removing sewing.

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2. Surface clean book with cosmetic sponges.
3. Attach detached conjugate leaves with East Asian-style paper and wheat starch paste.
4. Guard conjugates that have significant loss where additional support is needed. Guard the outermost and innermost bifolia of each section for resewing.
5. Add endpapers made of handmade, Western-style paper, to the beginning and end of textblock to protect textblock.
6. Resew textblock.
 - a. Reuse existing sewing holes but modify sewing pattern in favor of a more structurally stable and consistent pattern that limits swell. Have 2-3 sewing stations and use two-on sewing onto cords.
7. Line spine with East Asian-style paper. Adhere flanged textile to medium/heavy weight Asian-style paper layer. Additional paper layers may be necessary, depending on how the textblock is opening.
8. Fill out loss for front board corner with layers of heavyweight Asian-style paper.
9. Split boards and insert cords and flanges into lifted area. Heavyweight, Asian-style paper toned to match leather for final spine covering.

Treatment

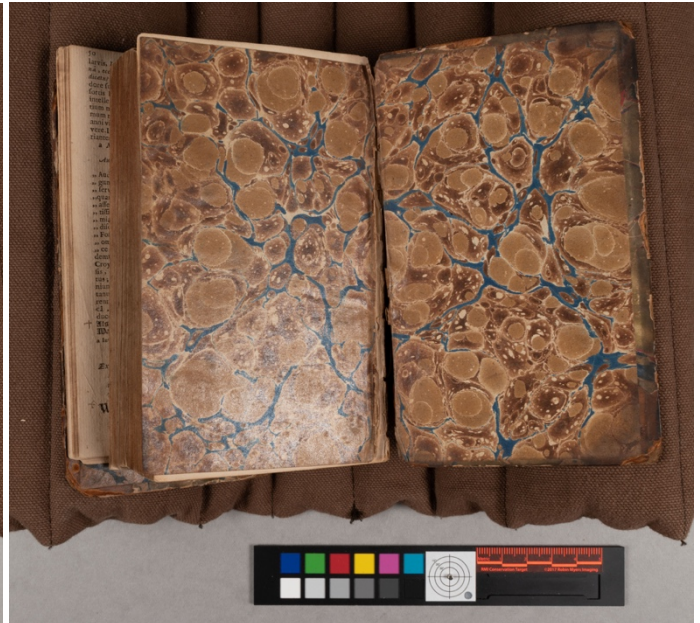
Objective: Stabilize and rehouse for classroom use. Having a more robust structure to withstand regular handling was particularly important.

1. Conducted before treatment photography. (1 h)
2. Cleaned spine with methylcellulose. Disbound book. (1.5 h)
3. Surface cleaned textblock with cosmetic sponges. (8 h)
4. Immersion washed in slightly alkaline water (calcium carbonate pH 7.5-8). Consisted of two 10-15 min baths. Used paintbrush to loosen excess adhesive and to flatten folds and creases while being washed. Dried in blotters. (16 h)
 - a. This is a modified version of the original proposal. After disbinding and conducting closer examination, it was determined that washing and sizing would help reduce staining while helping fortify the paper against future mends and long-term handling requirements.
5. Dipped leaves in gelatin (2.5% photograde gelatin) bath to resize. Dried with blotters under light weights. (14 h)
 - a. Sizing helps improve absorption and wear characteristics of paper. Washing during the previous step would have removed much of the textblock's previous sizing, which is why it was then resized.
6. Conducted local crease reduction, guarding, and tear repair. (11 h)
7. Refolded bifolia into sections. Guards of 12 gsm Usu-Gami were added to innermost and outermost bifolia. (35 h)
 - a. The guarding was limited to areas that would be in most contact with the new sewing to protect against wear. This also reduced the amount of bulk overall from added material. When the bifolia were refolded, the innermost bifolia was folded first with subsequent bifolia folded around it to achieve a more aligned fit.
8. Sewed on 3 raised cords. Used two-on abbreviated sewing to reduce swell.
 - a. Attached loose guards of 12 gsm Usu-Gami on first and last sections.
 - b. Added new endpapers of handmade western paper (Katie McGregor paper)
 - i. The new endpapers would help protect the original textblock. The paper type was chosen to complement the textblock so that it would be less distracting.
 - c. Set sewing holes following previously existing sewing holes. (30 min)
 - i. This was to avoid creating new holes and altering original material.
 - d. Sewed on 5-ply raised cords. (3.5 h)
 - i. This sewing style was chosen to allude to 17th-century sewing styles from when the book was made.
 - e. Lined spined with Usu-Gami 15 gsm. (15 min)
 - i. This helped stabilize the sewing and created a barrier layer.
 - f. Added back-bead endbands with 18/3 thread on 2-ply cord. Tiedowns were placed approximately every 4-5 sections. (2 h)
 - i. This would help add structural reinforcement.
 - g. Lined spine with close weave textile and wheat starch paste. (10 min)
9. Prepped boards.
 - a. Consolidated leather with Klucel G. (10 min)
 - b. Split boards. (30 min)
 - c. Reattached detached marbled paper fly leaves with 12 gsm Usu-Gami and wheat starch paste. (1 h)
10. Attached boards and spine covering.

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					-----	-----			broken
228/229				-----	-----				Wraps around S4 cord
252/253		-----	-----			-----			Wraps around S2 cord
276/277	-----	-----		-----	-----		-----		
300/301			-----	-----					
				-----	-----	-----			
324/325	-----	-----		-----	-----				Wraps around S4 cord
348/349		-----	-----			-----			Wraps around S2 cord
			-----	-----					broken
372/373				-----	-----				Wraps around S4 cord
396/397		-----	-----			-----			
			-----	-----					
420/421	-----	-----		-----	-----		-----		
444/445		-----	-----			-----			Wraps around S2 cord
			-----	-----					
468/469	-----	-----		-----	-----				Wraps around S4 cord
492/493		-----	-----			-----			
516/517				-----	-----				Wraps around S4 cord
540/541		-----	-----			-----			Wraps around S2 cord
564/565				-----	-----				Wraps around S4 cord
588/589				-----	-----				Wraps around S4 cord
612/613				-----	-----				Wraps around S4 cord
636/637		-----	-----			-----			Wraps around S2 cord

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AT:



