

# Preservation Lab - Abbreviated Treatment Report

Database ID	1505	Date received	10/26/2017
Department	Engineering Library	Date Returned	4/12/2018
Item Record #	i18186336		
Call Number	TL570 .L24		
Title	Aerodynamics : constituting the first volume of a complete work on aerial flight		
Author	Lanchester, Frederick William, 1868-		
Imprint	New York : D. Van Nostrand, 1908		

- |   |               |
|---|---------------|
| In-house Repair 1                             | Treatment     |
| Performed In-house Repair                     | Jessica Ebert |
| Staff Type C-onservator, T-echician, S-tudent | T             |
| Time In-house Repair (minutes)                | 50            |
  
- |   |                    |
|---|--------------------|
| In-house Repair 2                             | Treatment          |
| Performed In-house Repair 2                   | Ashleigh Schieszer |
| Staff Type C-onservator, T-echician, S-tudent | C                  |
| Time In-house Repair 2                        | 700                |
  
- |   |                    |
|---|--------------------|
| In-house Repair 3                             | Storage & Handling |
| Performed In-house Repair 3                   | Ashleigh Schieszer |
| Staff Type C-onservator, T-echician, S-tudent | T                  |
| Time In-house Repair 3                        | 5                  |
  
- |   |  |
|---|--|
| Type In-house Repair other                    |  |
| Performed In-house Repair other               |  |
| Staff Type C-onservator, T-echician, S-tudent |  |
| Time In-house Repair other                    |  |

## Conservator's Note

This is a companion text to Aerodnetics, constituting the second volume of a complete work on aerial flight, owned by the Engineering Library. It was received in severe condition with prior spine repairs that had failed. The original spine was adhered onto a repair cloth spine and was delaminating, creased and contained losses.

Treatment was performed in a similar fashion as Aerodnetics, (i19742666, PresLab ID#1506). As requested by the curator, the book necessitated an interventive treatment to strengthen the binding to ensure the book can withstand handling and storage overtime without an enclosure.

Treatment included fully disbinding, reducing spine adhesive and replacing sewing. A sample of sewing thread (silk?) was retained in a baggie with written documentation. A Cincinnati bookbinder's ticket was

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lifted mechanically from the upper pastedown, as well as a University of Cincinnati bookplate and the checkout sheet pocket. The cloth case repair was removed with methyl cellulose poultices. Excess adhesive was reduced further mechanically and the original cloth spine was separated from the repair.

Many pages throughout the gatherings were repaired along the folds with kozo tissue and wheat starch paste guards. Within each gathering, every inner folio was guarded in preparation for sewing, and more than half of every outer folio was also guarded to reattach loose leaves that had fully separated and were detached. Creases throughout the textblock were reinforced to prevent the brittle paper from breaking when handled.

New endsheets (two folios) were constructed out of Mohawk cream paperweight. The textblock was sewn all along in a French link stitch on three cloth tapes with 18/3 linen thread. While the original sewing was sewn two or three up, the sewing pattern was modified for treatment to utilize all sewing stations to create a stronger bind.

The textblock spine was lined overall with kozo tissue and wheat starch paste. New stuck-on endbands were adhered to the spine to offer a bit more structural support when handling rather than sewn-on endbands for two reasons: sewn on endbands are not original to the construction and the brittle textblock paper may not hold up to sewing so close to the edges of the textblock. It's unclear whether the textblock originally had stuck-on endbands that are now lost, but since Aerodnetics did contain extant stuck-on endbands and there was signs of adhesive loss along the spine in these areas, it did not seem out of context. Additional spine linings included an aero linen cloth lining and Dove Gray paper lining.

A new case was constructed out of 80 pt library board and Cialux blue cloth. The original cloth coverings were adhered on top of the the new case on both the upper and lower board with Jade 403 PVA. The textblock was cased-in with PVA using the new Mohawk endsheets. The original bookbinder's ticket, bookplate, and check out sheet folder were adhered with wheat starch paste.

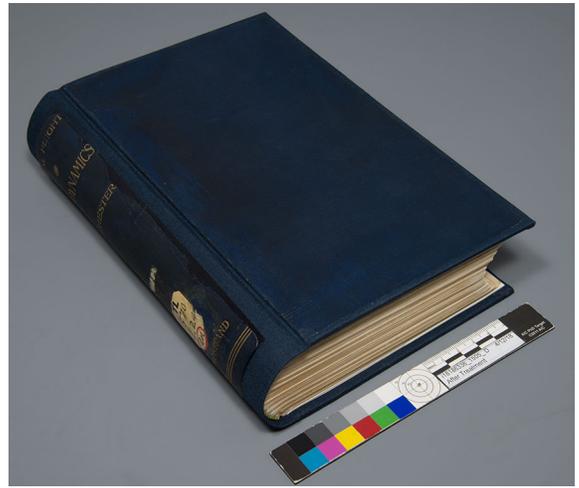
The new binding was housed in a clear polyethylene Colibri jacket for both visibility and protection during storage and handling.

## The Preservation Lab

## Treatment Report Cont'd



i18186336\_1505\_A01N  
Before Treatment - Upper cover



i18186336\_1505\_D01N  
After Treatment - Upper cover



i18186336\_1505\_A02N  
Before Treatment - Lower cover



i18186336\_1505\_D02N  
After Treatment - Lower cover



i18186336\_1505\_A03N  
Before Treatment - Split textblock



i18186336\_1505\_D03N  
After Treatment - Textblock repaired