BOOK CONSERVATION AND TREATMENT RECORD Library of Congress – Conservation Division

4531, Plato Opera		
RBSC Marianna Stell	Date In:	September 28, 2020
Dan Paterson (supervisor) and Laura McNulty (intern)	Examination Date:	September 30, 2020
PA4280.F43 1491 Copy 3		
	fioni fiore in libros Platonis)	
Plato		
Bernardus de Cremona and	d Simon de Luero, Venice, 1491	
CMI Box		
	RBSC Marianna Stell Dan Paterson (supervisor) and Laura McNulty (intern) PA4280.F43 1491 Copy 3 Opera (<i>Prohemium Marili</i> Plato Bernardus de Cremona and	RBSC Date In: Marianna Stell Date Out: Dan Paterson Examination Date: (supervisor) and Laura McNulty (intern) PA4280.F43 1491 Copy 3 Opera (Prohemium Marili fioni fiore in libros Platonis) Plato Bernardus de Cremona and Simon de Luero, Venice, 1491

Background Information: (significance, provenance, set of volumes, labels, stamps, inscription):

Historical Context

This volume is 35 of Plato's dialogues and Platonic *Letters* translated from the original ancient Greek to Latin. The translation was done by Marsilio Ficino (1433-99), an Italian priest and philosopher. In conversations with rare book curator, Marianna Stell, I learned that translations of ancient philosopher's works revived interest in their ideas and would become a cultural hallmark of the Italian Renaissance. This volume, printed in 1491, is actually the second printing of this work. The first printing was done in Florence while the second printing was done in Venice. Stell again told me that the change in location from the first to the second printing is significant because the Venetian imprint would have had a broader audience as Venice was an important mercantile hub. Today, copies of this work can be found in 180 institutions around the world, which shows the popularity of Ficino's translation (British Library 2020).

Ficino studied and translated the works of ancient philosophers. He wrote philosophical letters, treatises, and commentaries; taught in formal academies and less formal gatherings of like-minded intellectuals; and, as he did with the works of Plato, translated ancient writings from Greek into Latin. The immediate effect of his efforts was widespread as his translations were seen as the standard and were used by Western thinkers. His translations would not be reconsidered for the next 300 years following their publication. Ficino's theories, especially those about love, which he devised based on his studies were used in 16th century literature. His reputation waned in the late 17th and 18th centuries as new scientific methods and ways of thinking challenged the established ways of interpreting the ancient philosophers. Regardless of the status of his reputation, Ficino made Plato and Platonism respectable subjects of research and philosophical reflection.

References:

British Library. 2020. "Incunabula Short Title Catalogue: the international database of 15th-century European printing." British Library Catalog. Last Modified June 3, 2020. https://data.cerl.org/istc/ip00772000.

Celenza, Christopher S. 2017. "Marsilio Ficino." *Stanford Encyclopedia of Philosophy*, September 7, 2017. https://plato.stanford.edu/entries/ficino/.

Labels

Adhered to the inside of the front board are a Library of Congress sticker for the Thacher Collection and a bookplate of John

Boyd Thacher with a coat of arms.

Inscriptions

In graphite on the inside of the front board, "No 613/[157]." In graphite on the inside of the back board, "Incun Coll/Thacher/PA4280/.F43/1491/Copy 3/RBSCD" and "2016656286."

DESCRIPTION AND CONDITION:

Cover Dimensions:	Height:	31.4	cm	Width	22.3	cm	Thicknes	8.3	cm
				:			s:		
Textblock	Height:	30.4	cm	Width	20.8	cm	Thicknes	6.8	cm
Dimensions:				: _			s:		

Collation (signatures, format, leaves, pagination, foliation, and inserts):

See sewing diagram in Appendix I.

General Description:

The textblock has been rebound and the current binding is not original to the printing of the text. The strongest evidence to support this supposition is the trimmed textblock. The marginalia along the foreedge has been cut off which suggests that the textblock was trimmed to fit into a new binding. The two-on, abbreviated sewing pattern also supports this supposition.

Binding Style/Finishing

This volume has a tight-back, in-boards binding. Four raised bands are visible on the spine which are false. Leather covers the wooden boards in a quarter-style. When viewed under magnification, the leather is identified as sheep based on the visual characteristics. There are two gold stamped leather labels on the spine containing title, author, and publication information. The leather on the spine, boards, turn-ins, and board edges has been blind tooled.

As stated above, the boards are wood and measure 0.7cm thick.

Binding Structure:

As stated above, this book has a tight-back, in-boards binding structure with French joints. The volume opens easily. The leather at the head of the spine is pulling away from the folds of the textblock and it appears that there is no other lining material on the folds of the textblock. The leather is adhered directly to the folds of the textblock. Currently, there are no endbands on the volume.

Textblock:

The textblock has 54 gatherings, the bulk of which are comprised of four folios. Six gatherings have five folios. There are four sewing stations, the sewing is supported on 4 raised cords, and the gatherings are sewn with a two-on, abbreviated pattern (see Appendix I for sewing diagram). The textblock is slightly rounded and backed and opens easily. The textblock is made of handmade laid paper. When viewed in transmitted light, the distribution of paper fibers is uneven and there are vatman's tears; both characteristic are commonly found in handmade paper. The paper drapes well as it retains its flexibility.

The text is printed in black printer's ink. The printing process has produced a slightly pronounced punch in the paper. In the margins of some of the pages, there is marginalia which is written in a colored ink which has faded to a pink color, suggesting that the ink may have originally been red. There are two large inscription, likely written in iron gall ink, on the first and last pages of the text. Most of the inscription has been crossed out and is obscured. Graphite inscriptions are located on the inside of the front and back covers on the pastedowns.

The endpapers are wove and are not original to the first binding of the volume. The flyleaves at the front and back are tipped in, as is the small piece of paper at the front with the title information.

<u>Ephemera:</u>

Tucked into the gutter of the textblock, there are two small pieces of ephemera. The origins of the ephemera are

unknown. One is located between pages 14 and 15; the other between pages 275 and 276. The handwriting on both suggests that they may be manuscript waste.

General Condition:

Binding Style/Finishing:

The leather along the front and back joints and on the spine is deteriorated and crumbling, which contributed to the detachment of the front board. The leather on the spine has thin, vertical cracks, characteristic of a tight-back binding. The leather has been abraded along the board edges, resulting in a loss of the upper layers of the leather. The wooden boards are in good condition.

Binding Structure:

The binding structure is no longer intact due to the detached front board. Stresses due to opening the front board has caused the leather, sewing supports, and pastedowns to break along the spine. The back board is tenuously attached and held on by the sewing supports; the inner hinge is completely broken and the leather over the back joint is mostly broken. *Textblock:*

The sewing is intact and in good condition. The gatherings are secure to the textblock. The paper is also in overall good condition. There is discoloration along the edges of the textblock. The severity of the discoloration varies but is most severe along the head edges. There is minimal physical damage to the paper – a few corners are dog-eared, but otherwise the paper retains its flexibility. The ephemera tucked into the gutters has caused staining on the adjacent pages. The staining is minimal and near the tail edge.

The media are in good condition and remain legible.

BOA	RD								
Boar	rd:	Cov	ering Materials:			Bind	ing Style:		
	missing wood paste-board waterleaf / pulp binders board other back cornered shaped tying-up marks		full half quarter bookcloth textile paper cloth sides vellum sides paper sides/dec		vellum leather tawed skin calf goat sheep pig		tight back case laced-on laced case tight joint French joint laced-in		hollow back baggy back false bands raised bands cords tapes thongs
SPIN	E								
Spin	e Shape:	Upp	er Joint:	Low	er Joint:	Endo	caps:	Diag	ram(s):
	flat rounded uneven backed concave		intact broken board loose board detached		intact broken board loose board detached		folded shaped sewn repaired missing		
TITL	E								
Titli	ng Style:	Med	ium:	Loca	tion:	Tool	ing Style:	Tool	ing Location:
	none manuscript tooled label		ink blind gilt		upper board lower board spine edge of textblock		none blind gilt pigment other		upper board lower board board edges endcaps turn-ins spine
FAST	Title on spine: TENINGS AND FU		TURE						
	ening Type:		ening Location:	Type	of hinge:	Furn	iture:	Diag	ram(s):
	none clasps side pin textile tie thongs		hinges from lower board hinges from upper board		metal leather strap		none corner/center pcs. bosses	~mg	

ENDI	ENDBANDS							
Spin	e Lining:	End	bands:	Core	:	Deco	rative elements:	Diagram(s):
\boxtimes	none	\boxtimes	none		single core		linen thread	
	parchment		both present		double core		silk thread	
	patches							
	paper		one present		sewn		tawed	
	textile		head		# of tie downs		leather	
	leather		tail		stuck-on		textile	
	cannot see		evidence present		flat/round			
			cut off		tawed			
					tanned			
					cord			
					parchment		colors: :	
					paper		endband style:	
<u>SEW</u>								
	ing supports:	Sewi			block edges:		block:	Diagram(s):
	unsupported		original	\boxtimes	trimmed		folio	
\boxtimes	supported		repaired		untrimmed		quarto	
	single		resewn		deckles h/t/fe		octavo	
	double		multiple sewings		colored:		other:	
	tawed		all-along		gilt		intact	
	tanned		abbreviated		speckled		dis-bound	
\boxtimes	cord		sawn-in		tooled			
	parchment		notched		gauffered			
	textile		oversewn					
	hemp		silk thread					
			linen thread					
			cotton thread					
			other					
Texa	EDI OCIZ							
	TBLOCK	3.5.4		35.1	•		30.0	D . ()
	block materials:		hod of marking:	Med		_	r condition:	Diagram(s):
	parchment		manuscript		iron-gall ink		brittle	
	paper		woodblock		other ink, color:		stained	
	combination		printed .		graphite		tears	
	watermark		engraving		printer's ink		losses	
	handmade		etching		printer's crayons		accretions	
	machine made		lithography		colored ink		tape	
	laid		plate mark		watercolor		attachments	
	wove		hand colored		gouache		lined/silked	
	other	Ш	other	Ш	other	Ш	other	

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Endl	eaves:	Con	struction:	Mat	erial:
	none		hooked	\boxtimes	paper
	same as textblock		whipstiched		leather
\boxtimes	paper		sewn gathering		cloth
		\boxtimes	tipped on		other

TREATMENT PROPOSAL:

The textblock will be rebound in a full leather, in-boards binding. The decision to remove the current binding was made in consultation with the curator. The deteriorated state of the leather would make reattaching the detached front board and securing the tenuously attached back board difficult, and such treatment would do little to preserve the deteriorated leather for the long term. Decisions regarding the binding structure and finishing will be made based on observations of surviving 15th century bindings in the rare book collection and in consultation with the curator.

Steps:

- 1. Complete written and photographic documentation.
- 2. Remove textblock from current binding. Retain current binding per curator's request.
- 3. Attach new cords to textblock which will be used to lace on the new boards.
- 4. Bound textblock in a full leather, in-boards binding.
- 5. Build custom housing for rebound volume, and detached boards and spine.

RISKS OF TREATMENT:

The greatest risk of treatment is damage to the folds of the gatherings during the removal of the current binding. The leather is adhered directly to the folds of the textblock which could be abraded during the attempts to clean the spine. Care will be taken to minimize damage to the folds during cleaning.

Phot	ography:	T	esting:	Testing Results:
\boxtimes	BT 🛭 AT		_	
	slides		_	
\boxtimes	digital			cinol
\Box	transmitted			
	raking		_	iodide
	runing	_	рошин	Todade
Text	block: (identify all	mate	rials, manufac	eturers, and solution strengths)
	fixing/consolidation	on		The spine was cleaned using a poultice of 4% w/v methylcellulose in deionized
				water. Several passes were required to clean the spine.
	drycleaning			
	removal of attachn	nents		
	washing			
	bleaching/stain rer	noval		
	alkalize	110		
	size			
	mend			
	guard			
	line			
	leaf cast			
	flattening			
ш	Hattening			
Bind	ing:			
\boxtimes	endpaper construc	tion		New, bifolio endpapers (MacGregor papers, Cobscrook/laid, 90-115 grams) were added
				at the front and back.
\boxtimes	sewing			Two new cords were added at each sewing station to support the textblock and to serve
	-			as the connections to the new boards. New sewing holes were punched to reduce the
				risk of damaging the existing sewing holes. All-along sewing was done in gatherings
				"a" through "f" and "BB" through "HH," and including the new endpapers. Size 35
				thread was used for the sewing.
\boxtimes	textblock consolid	ation/	spine shaping	Wheat starch paste (prepared lab stock Aytex P, purchased from Talas was applied to
_			1 10	the cleaned spine. The textblock was then rounded and backed. A slight rounding and
				backing were achieved.
\boxtimes	endbands			Primary endbands were sewn off the book using linen thread (green and undyed thread).
_				The core is cord slightly smaller than the cords used for the new sewing supports. The
				endbands were adhered to the spine using PVA.
\boxtimes	spine linings and a	dhesi	ves	Two layers of Korean #1301 paper (Kozo fibers, 19.6 g/m², 0.06-0.07mm thick) were
	spine mings and a	idilesi	1403	adhered to the spine with wheat starch paste between the sewing stations. Linen (Irish
				linen, purchased from Talas) transverse linings were then applied using an
				approximately 50:50 mix of PVA (Jade 703) and wheat starch paste.
\boxtimes	hoard attachment	and at	naning	The boards were made of 3mil Tschidi Eterno (blue) board and was sanded to shape and
	board attachment a			
				soften the edges. Slits in the board were made and the sewing supports were laced
\square	aava rin a			through the slits, frayed, and adhered to the inside of the covers with PVA.
\bowtie	covering			The book was fully covered with leather (goat leather dyed brown, supplied by Hewitt).

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 The covers and spine were decorated with blind tooled lines.

Cloth-covered (Canapetta, purchased from Talas) clamshell box constructed with Tshidi Eterno board and a number of adhesives including animal glue, PVA, wheat starch paste, and mixtures of these adhesives. Adhesives were chosen based on the functionality of the part of the box and the working properties required. Per curator's request, the old boards, spine, and endsheets were saved and a tray was built to hold the saved materials which were enclosed in mylar and a four-flap enclosure made of 10 point folder stock.

Titling information:

Enclosure:

Plato.

Opera. Latin.

Tr., Marsilius Ficinus.

13 Aug. 1491 Thacher 410 Object: Book spine left blank

Appendix I – Sewing Diagram

	I K	Head Se Lettle Stat	wing Sev ion #1 Stati	ving Sev on #2 Station	ving Sev on #3 Stati	wing Tail on #4 Kettle
Signature	Number of					
Mark	folios					
a	4					
b	4					
с	4					
d	4					
e	4					
f	4					
g	4			-		
h	4					
i	4					
k	4					
1	4					
m	4					
n	4					
0	4					
p	5			-		
q	5					
r	4					
S	4					
t	4					
v	4					
X	4					
y	4					
Z	4					
A	4					
В	4					
С	4					
D	4					
E	5					
F	5					
G	4					
Н	4					
I	4					
K	4					
L	4					
M	4					
N	4					
0	4					
P	4					
Q	4					
R	4					
N.	4		1		<u> </u>	

S	4			
T	4			
V	4			
X	4			
Y	4			
Z	4			
AA	4			
BB	4			
CC	4	-		
DD	4			
EE	4	-		
FF	4			
GG	5			
НН	5			
Flyleaves			 	

Key:		Visible thread
	 	 Thread is not visible

Appendix II: Photo Documentation

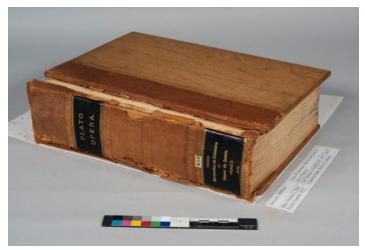


Image 1: Before Treatment, ¾ view, Normal Light



Image 2: Before Treatment, 3/4 view, Normal Light



Image 3: Before Treatment, Spine, Normal Light



Image 4: Before Treatment, Opening viewed at tail edge, Normal Light



Image 5: Before Treatment, Overhead view of detached front board, Normal Light

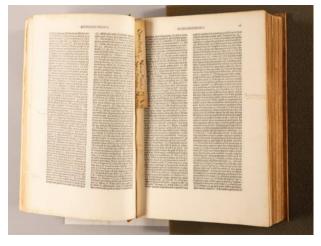


Image 6: Before Treatment, Location of ephemera in textblock, Normal Light



Image 7: Before Treatment, Binder's note tipped to title page, Normal Light

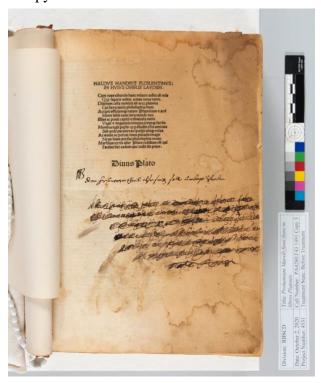


Image 8: Before Treatment, Title page with obscured inscription, Normal Light

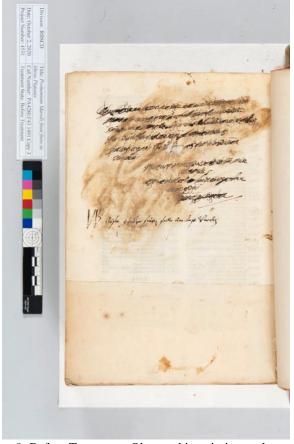


Image 9: Before Treatment, Obscured inscription on last page, Normal Light



Image 10: After Treatment, ¾ view, Normal light



Image 11: After Treatment, 3/4 view, Normal light



Image 12: After Treatment, Opening viewed at tail edge, Normal light



Image 13: After Treatment, View of inside of enclosure



Image 12: After Treatment, Overhead view, Raking light



Image 13: After Treatment, ¾ view of enclosure constructed