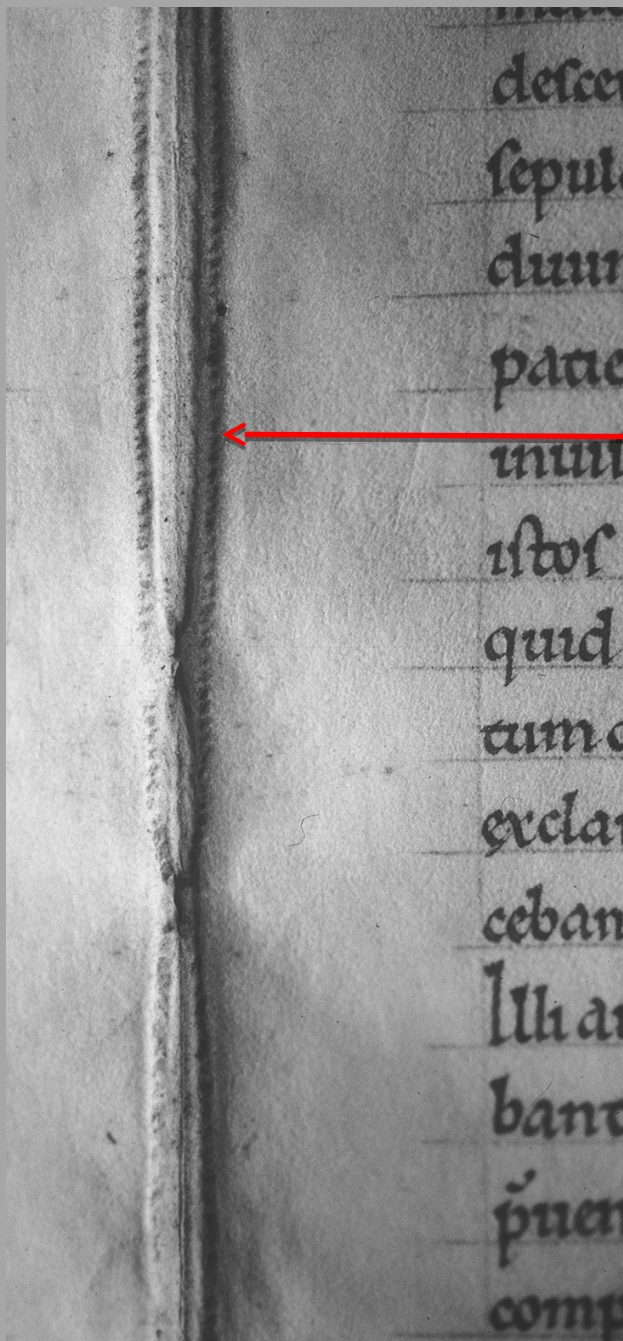


Versioning materiality

Documenting evidence of past binding structures

Athanasios Velios, a.velios@arts.ac.uk - @a_velios
[Nicholas Pickwoad, npickwoad@paston.co.uk](mailto:npickwoad@paston.co.uk)

Versioning Cultural Objects symposium – 1, 2 Dec 2016
Maynooth University



First Sequence

Support 1

Support 2

Support 3

Second Sequence

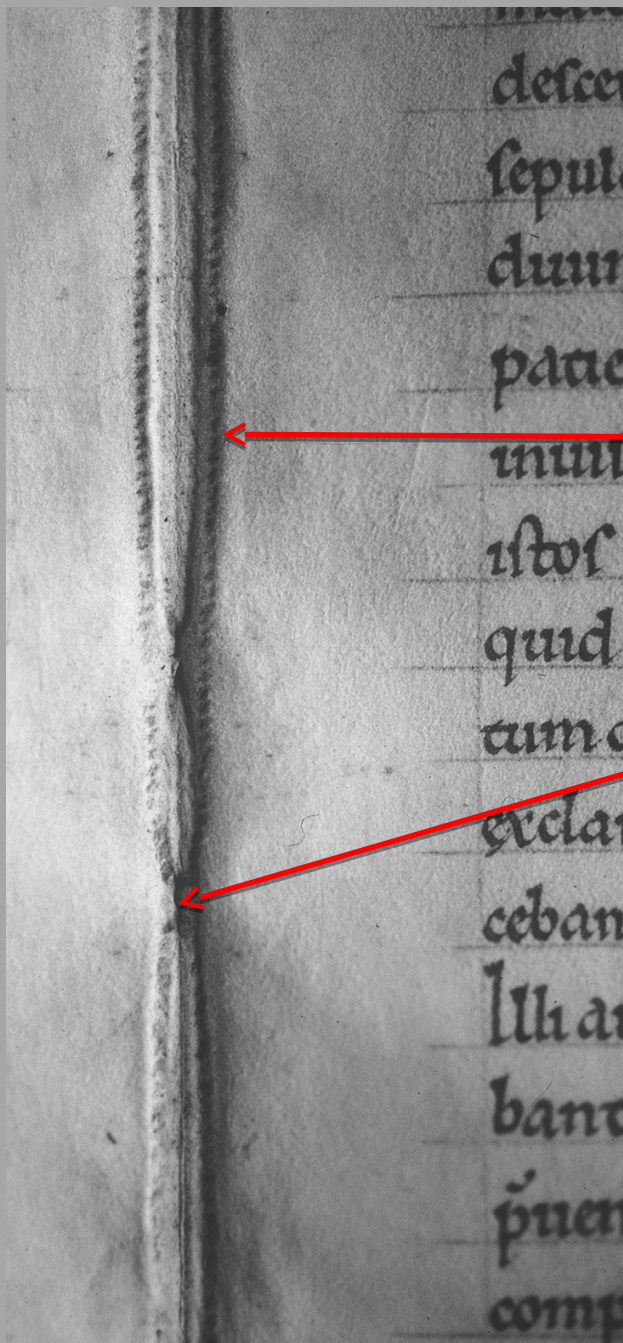
Support 1

Support 2

Support 3

Support 4

Support 5



First Sequence

Second Sequence

Support 1

Support 1

Support 2

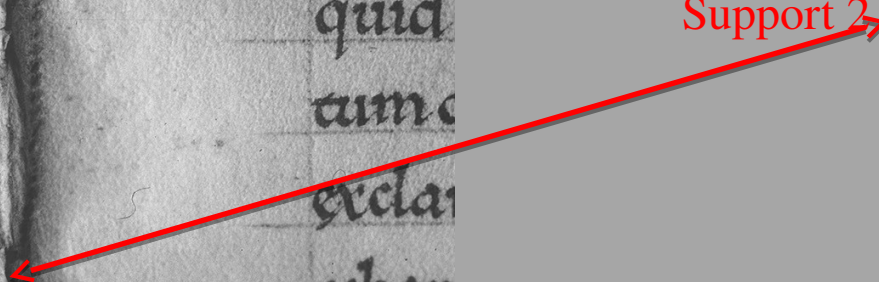
Support 2

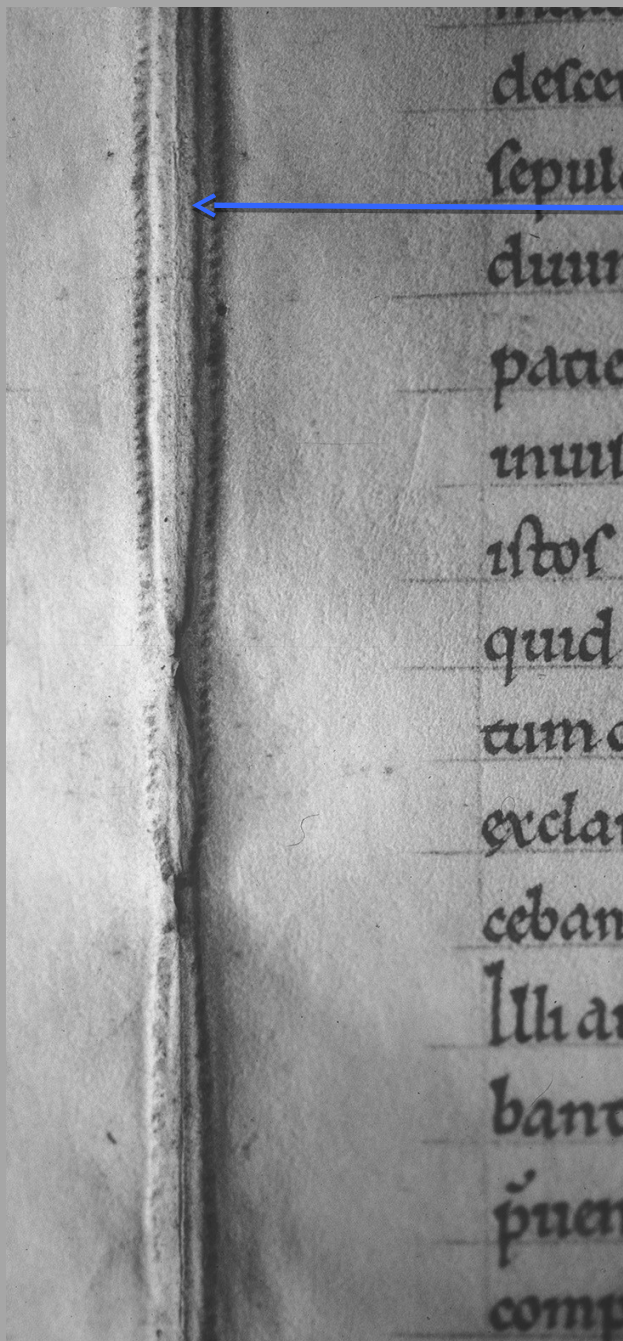
Support 3

Support 3

Support 4

Support 5





First Sequence

Second Sequence

Support 1

Support 1

Support 2

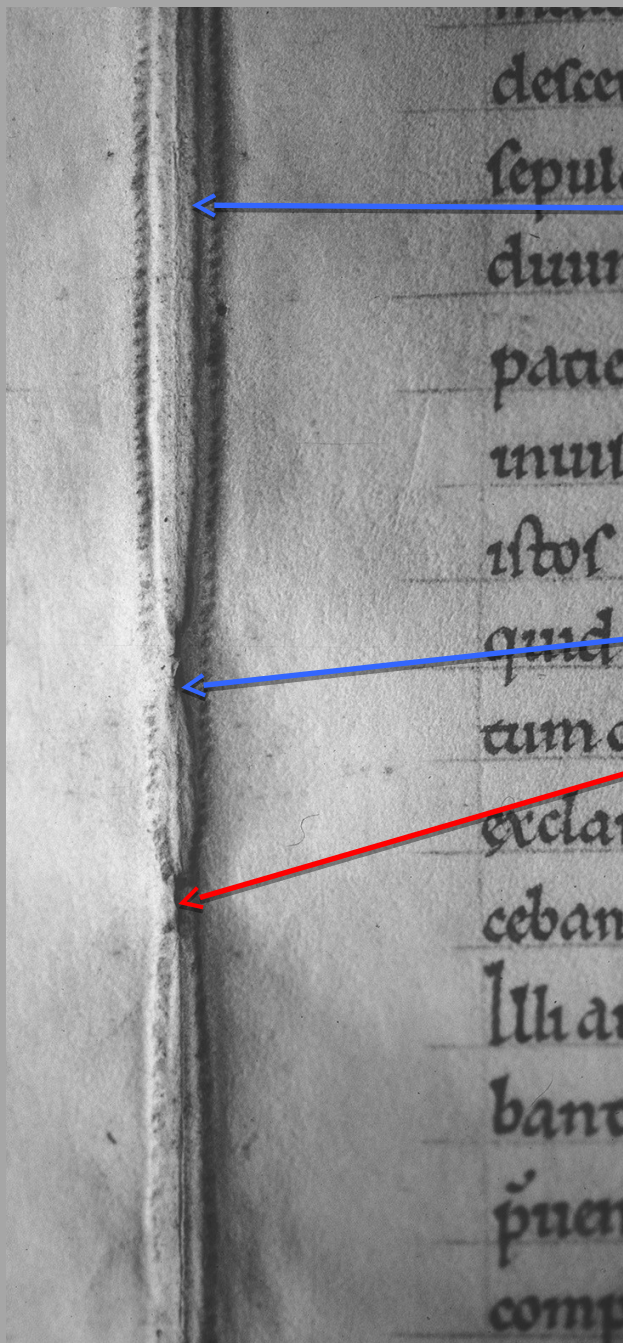
Support 2

Support 3

Support 3

Support 4

Support 5



First Sequence

Second Sequence

Support 1

Support 1

Support 2

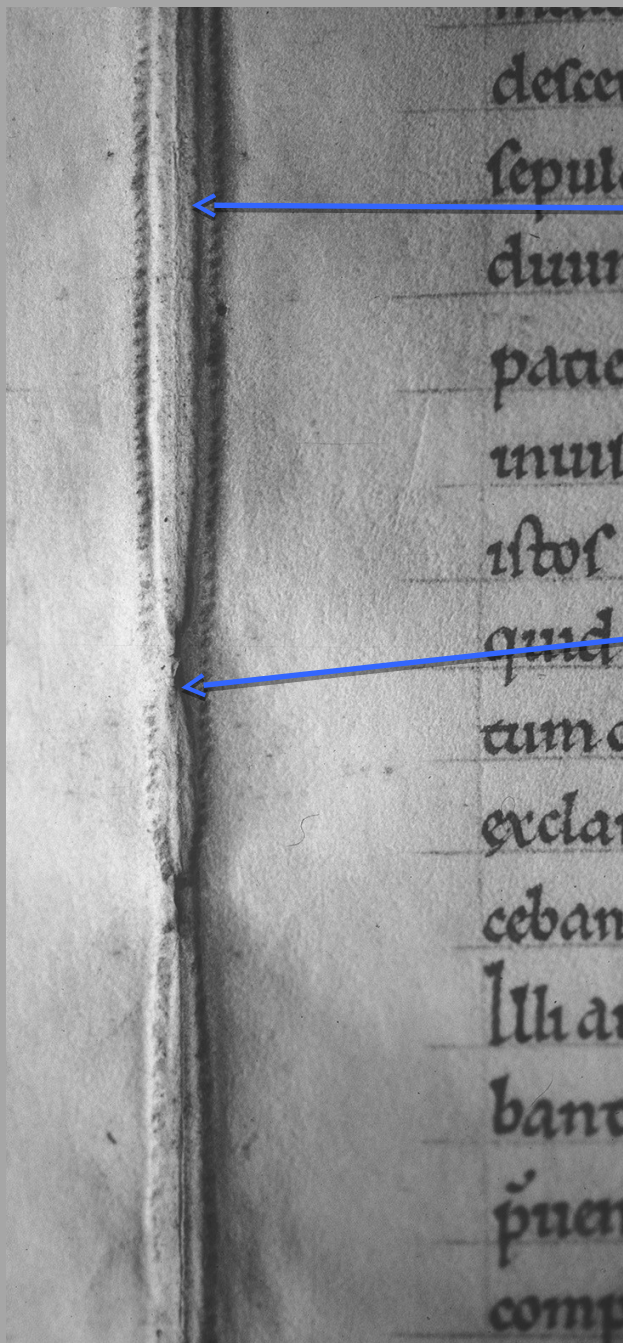
Support 2

Support 3

Support 3

Support 4

Support 5



First Sequence

Second Sequence

Support 1

Support 1

Support 2

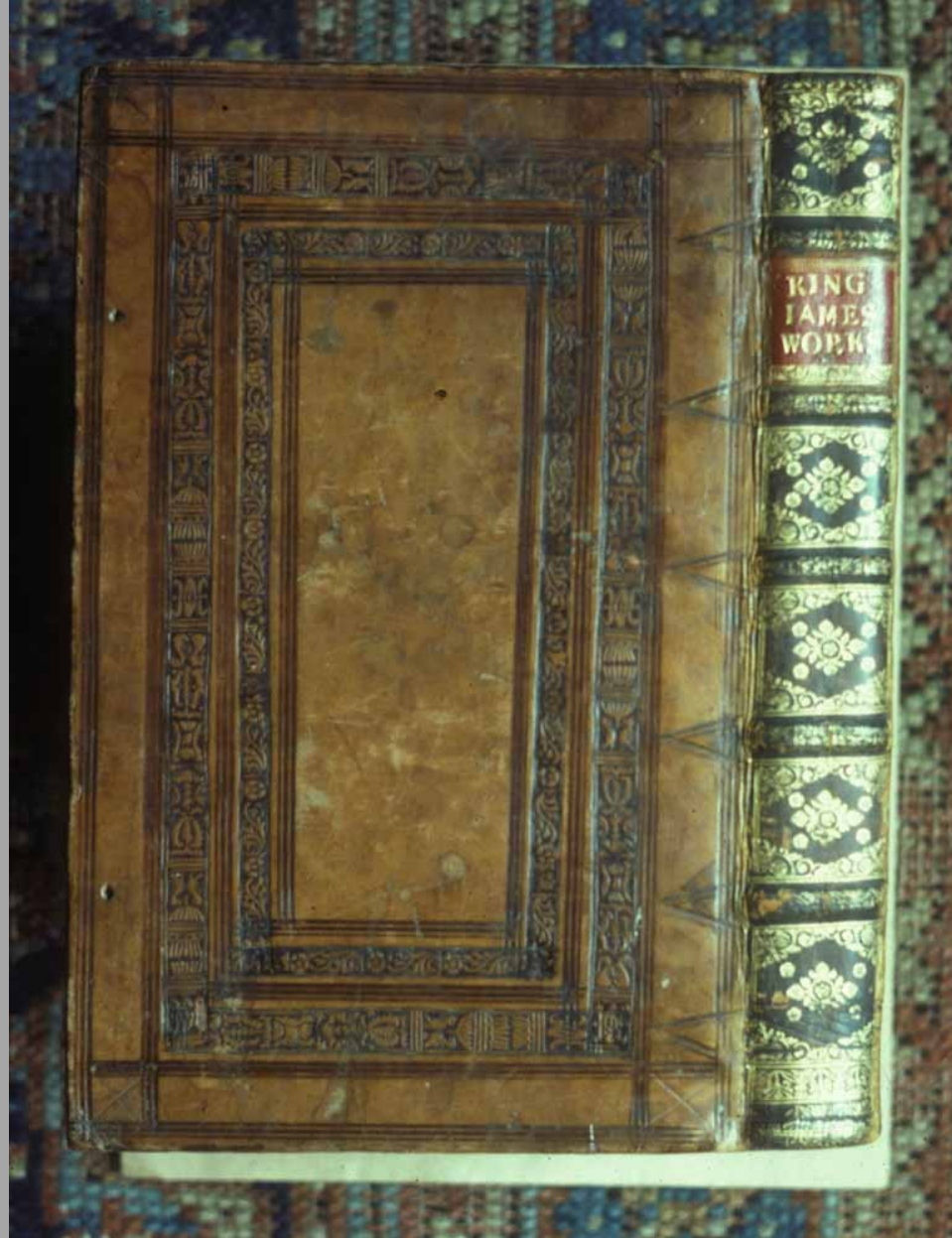
Support 2

Support 3

Support 4

Support 3

Support 5



*The Works of the Most High and
Mighty Prince James, London, 1616*



original Oxford-style
blind-tooling of the
early 17th century

*The Works of the Most High and
Mighty Prince James, London, 1616*



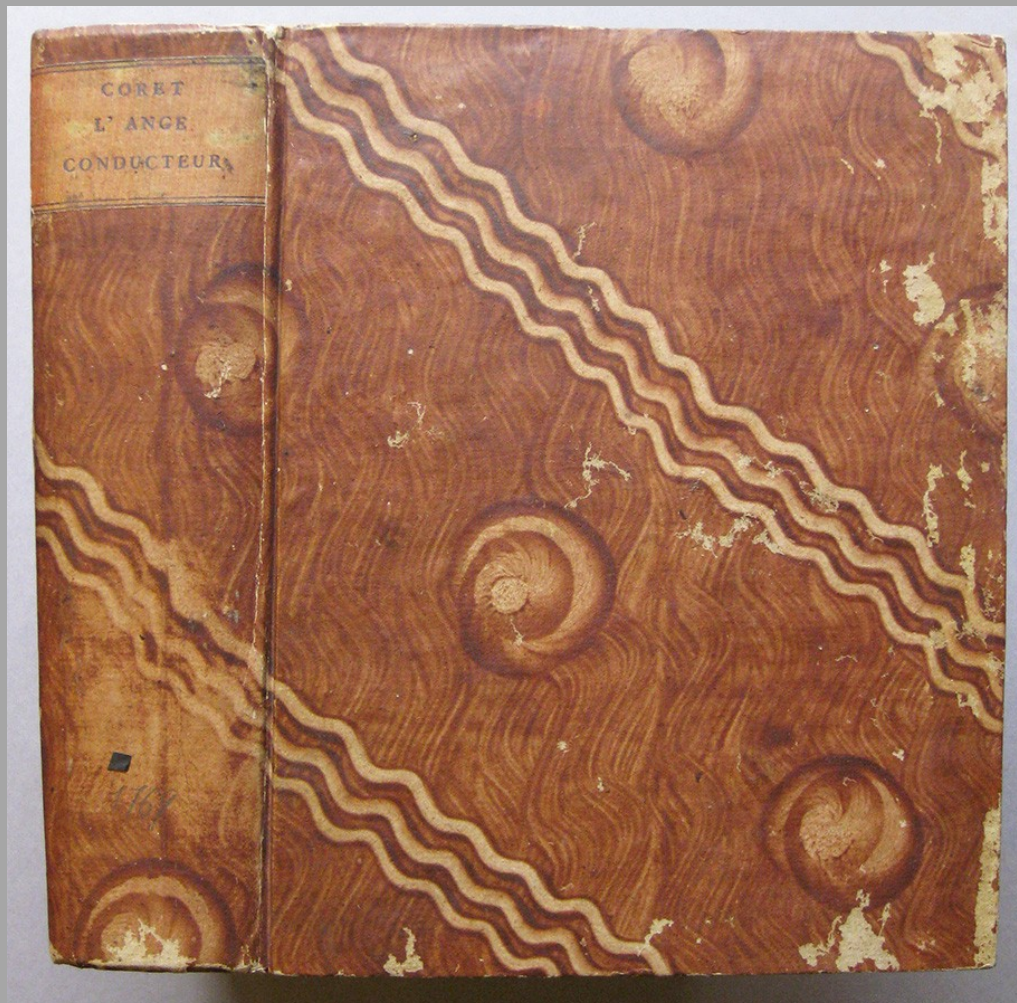
Rhetores Selecti ... Græcè & Latine
Oxford, 1676



Rhetores Selecti ... Græcè & Latine
Oxford, 1676



Gabr. Bartholomæus Grammondus,
Historiarvm Galliæ ab excessv Henrici
IV. Libri XVIII, Amsterdam, 1653



Jacques Coret, *L'Ange Conducteur dans la*
Dévotion Chrétienne, Vienna, 1769



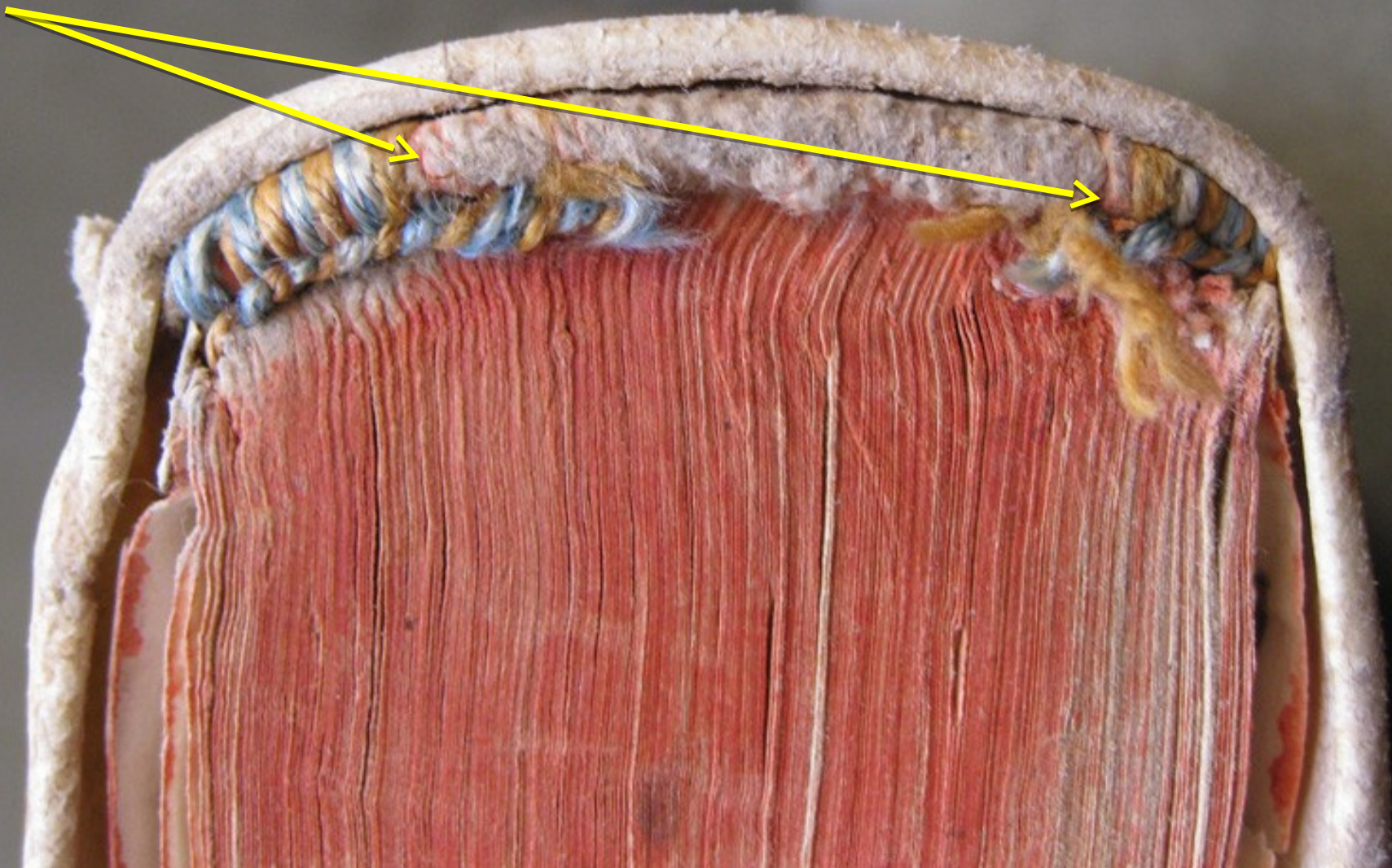
Gabr. Bartholomæus Grammondus,
*Historiarvm Galliæ ab excessv Henrici
 IV. Libri XVIII*, Amsterdam, 1653



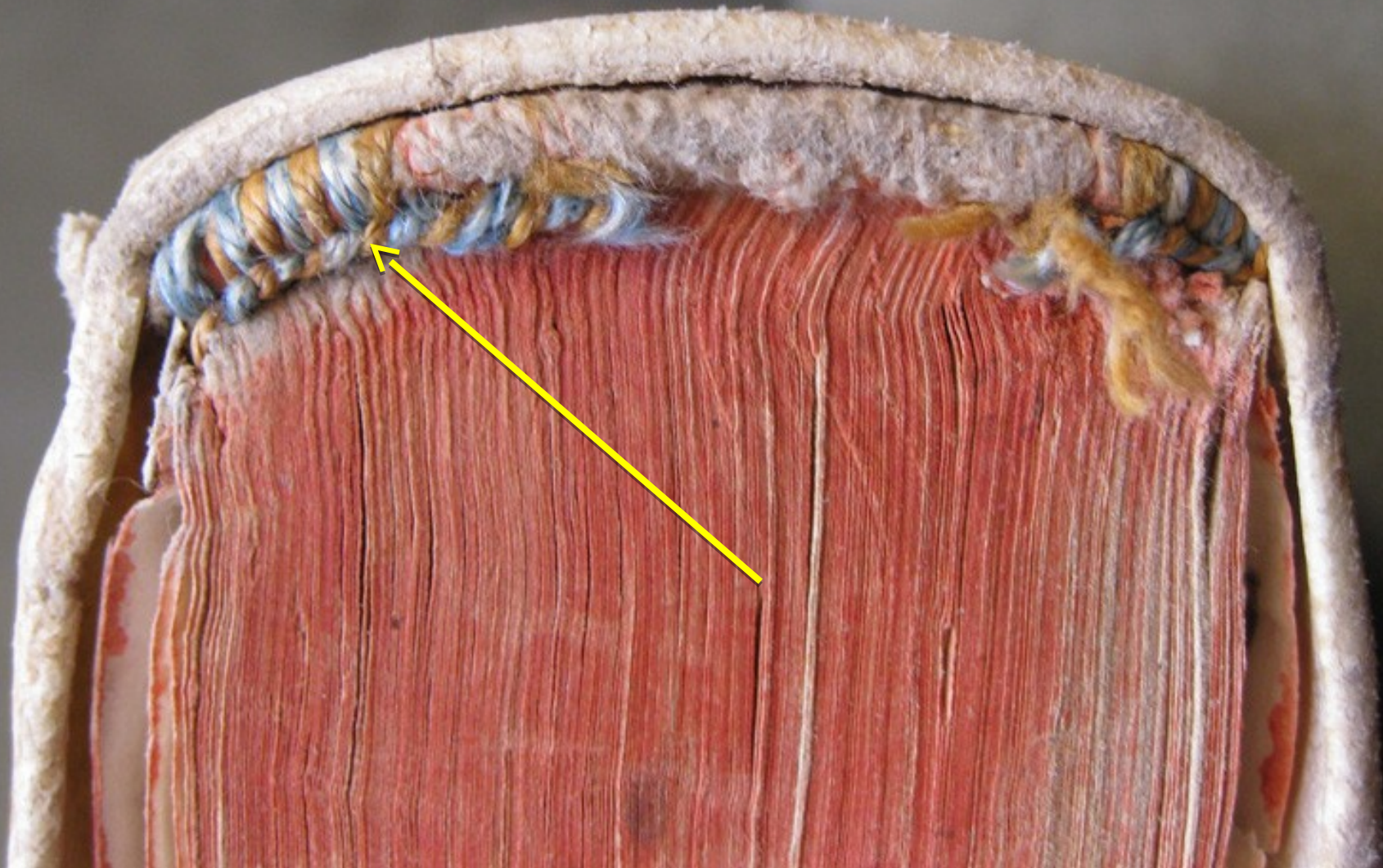
Jacques Coret, *L'Ange Conducteur dans la
 Dévotion Chrétienne*, Vienna, 1769



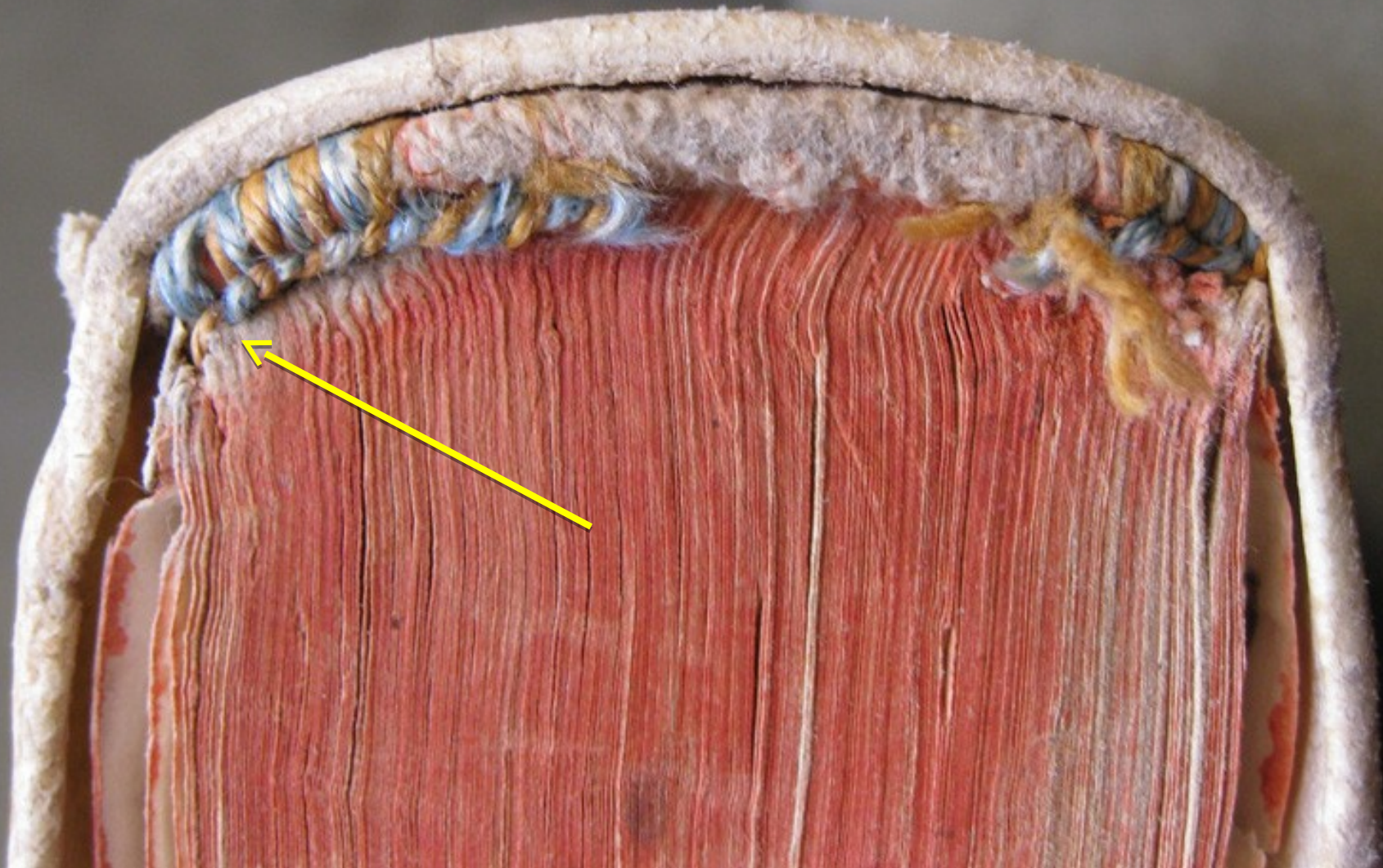
Pontificale Romanvm Clementis VIII, Antwerp: ex officina Plantiniana, 1627



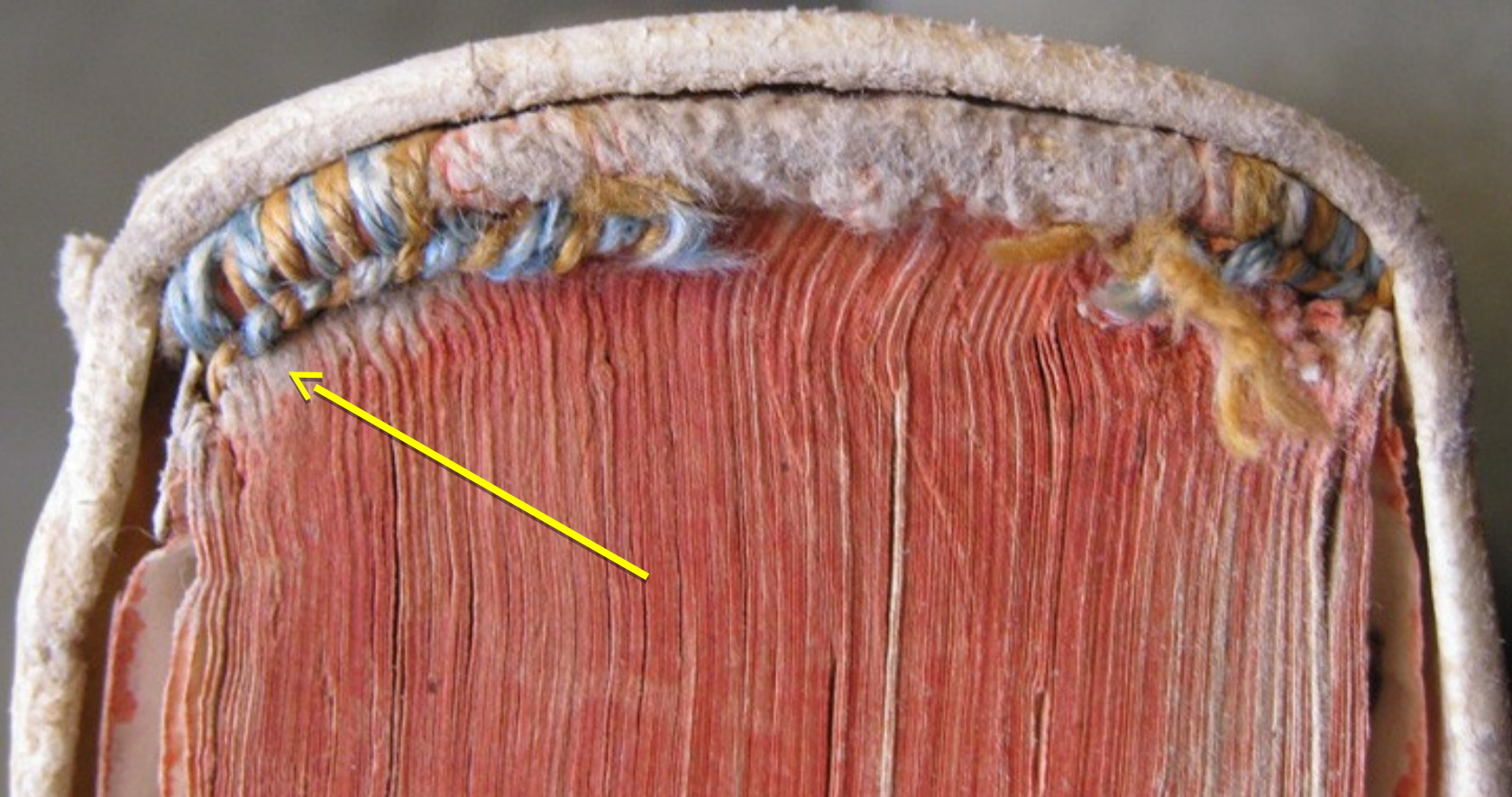
Pontificale Romanvm Clementis VIII, Antwerp: ex officina Plantiniana, 1627



Pontificale Romanvm Clementis VIII, Antwerp: ex officina Plantiniana, 1627



Pontificale Romanvm Clementis VIII, Antwerp: ex officina Plantiniana, 1627





Oldendorp, Ioannes, *Enchiridion
exceptionum Forensium*, Lyon:
Sebastianus Gryphius, 1556



*Bulletin des Lois de la Republique
Française, 3me Série*, Paris, 1802/3



Oldendorp, Ioannes, *Enchiridion
exceptionum Forensium*, Lyon:
Sebastianus Gryphius, 1556



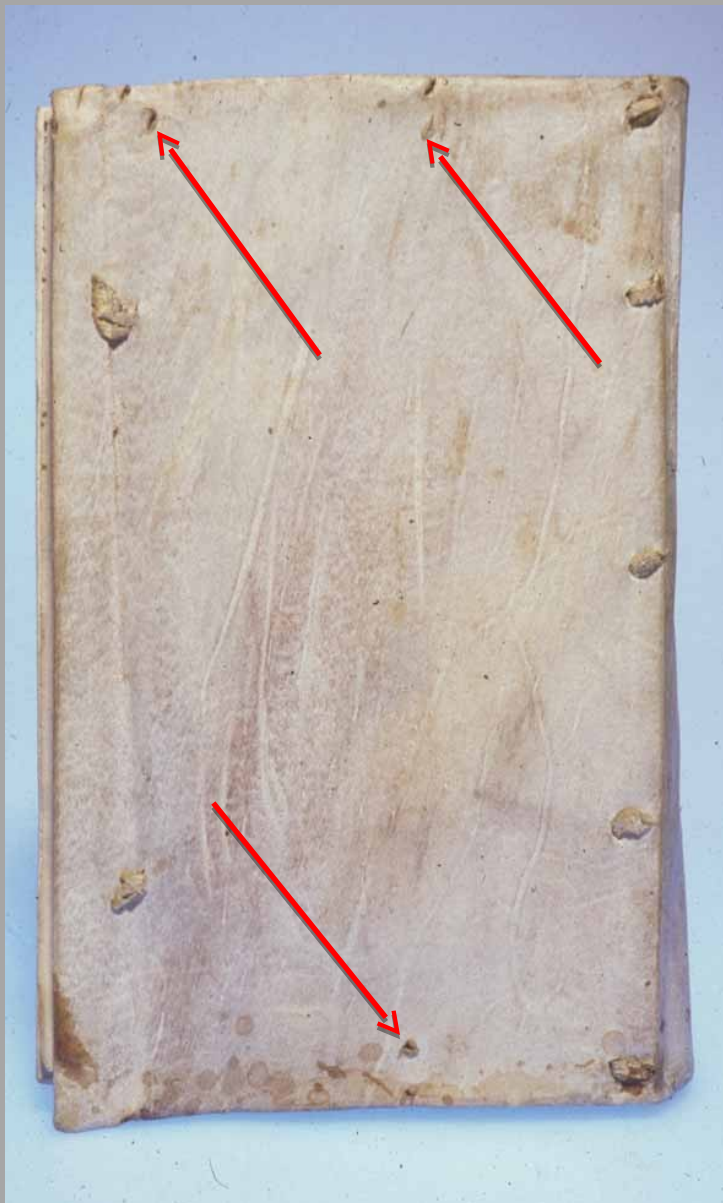
*Bulletin des Lois de la Republique
Française, 3me Série*, Paris, 1802/3



Oldendorp, Ioannes, *Enchiridion
exceptionum Forensium*, Lyon:
Sebastianus Gryphius, 1556



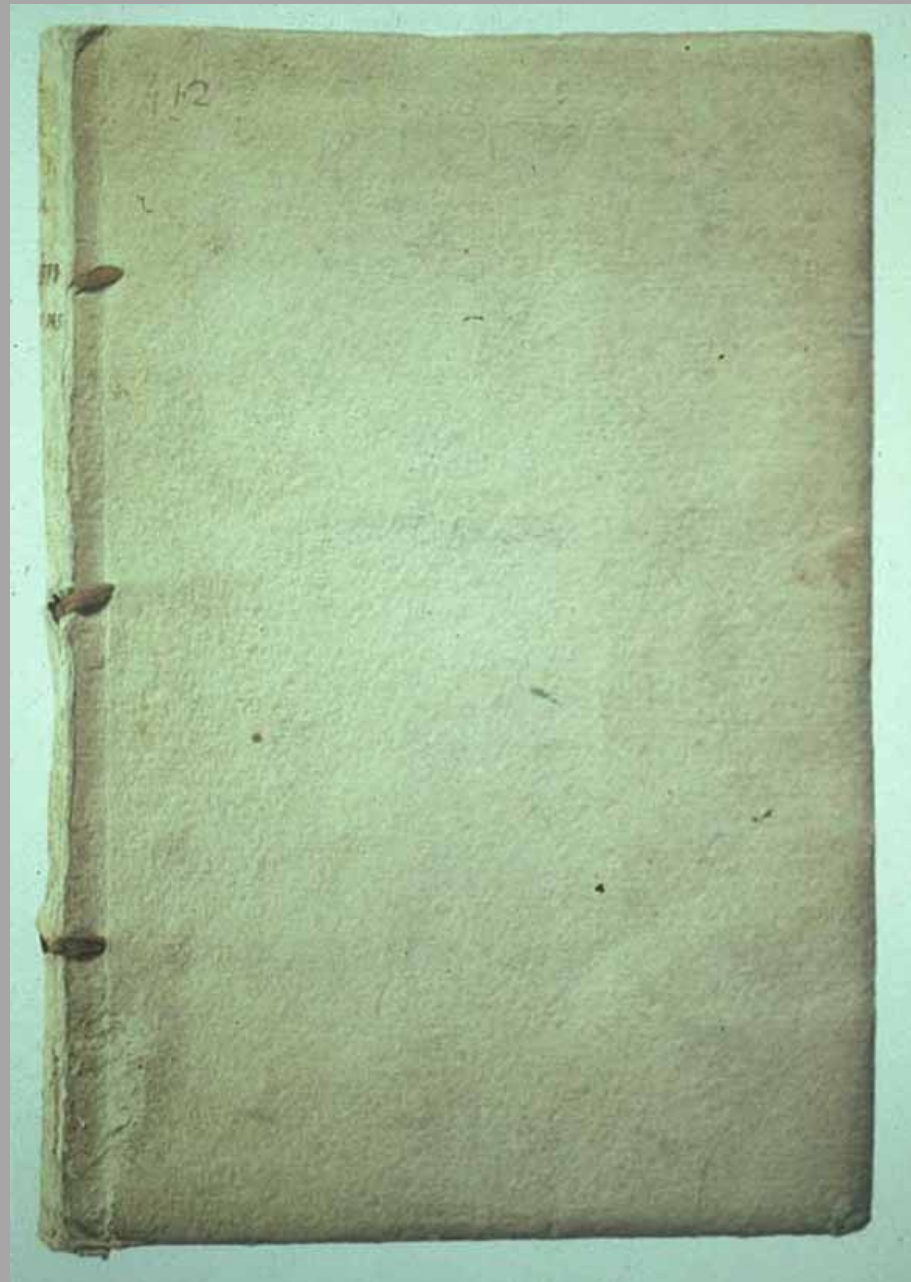
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Française, 3me Série*, Paris, 1802/3



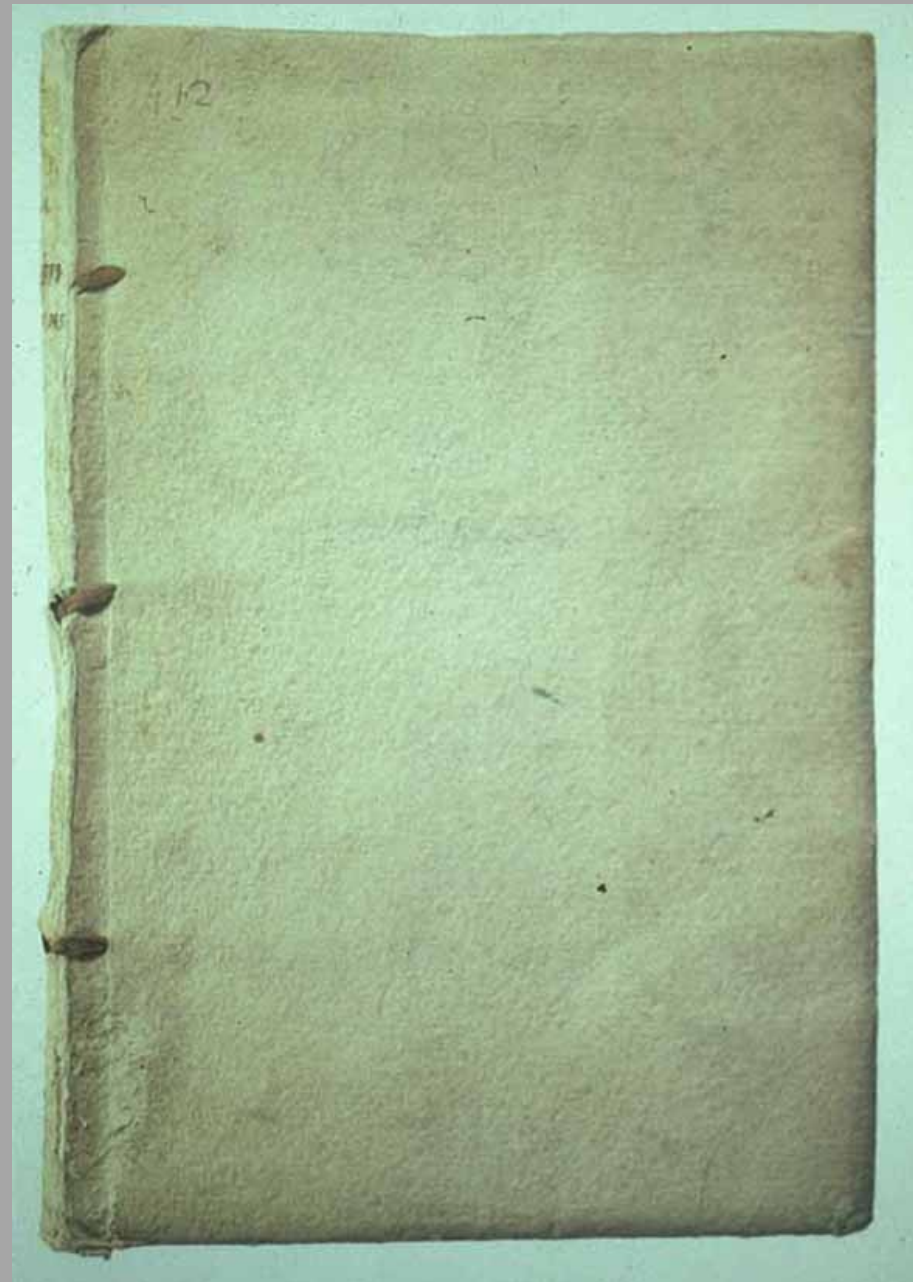
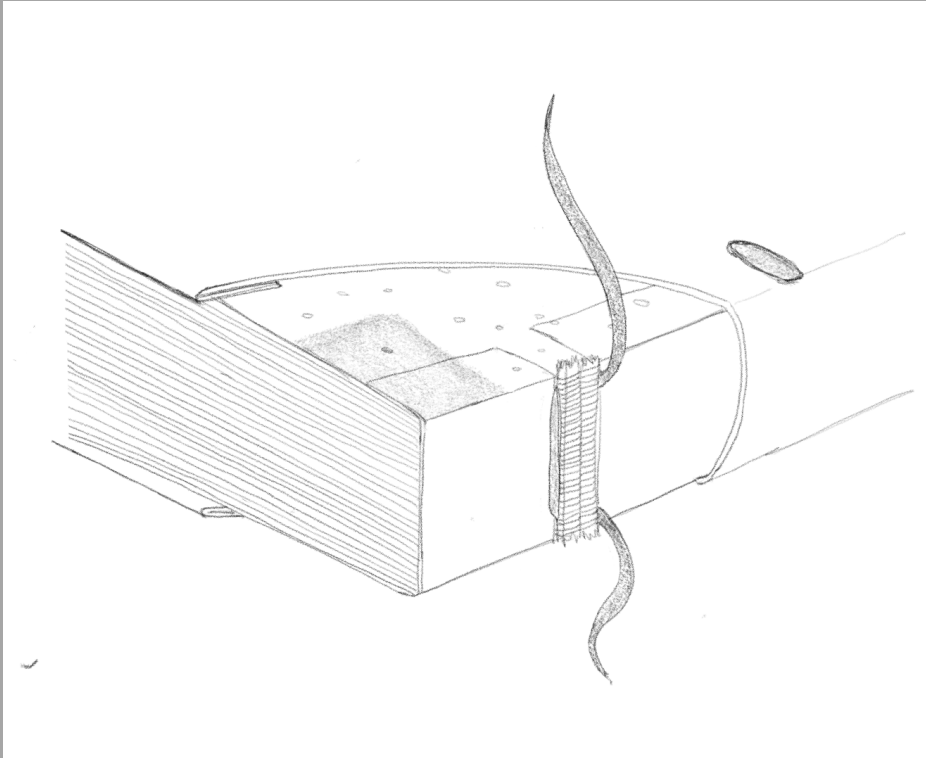
Oldendorp, Ioannes, *Enchiridion
exceptionum Forensium*, Lyon:
Sebastianus Gryphius, 1556



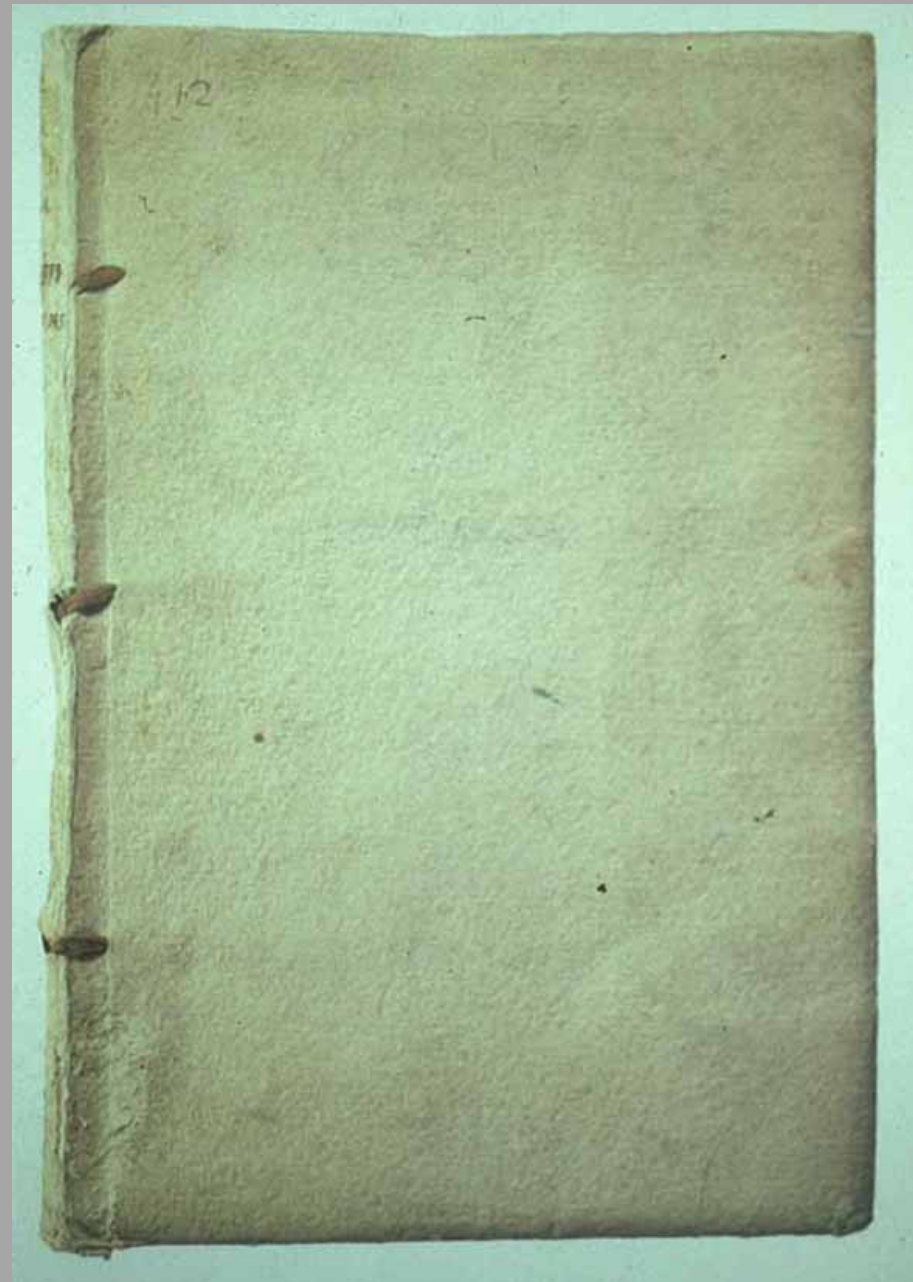
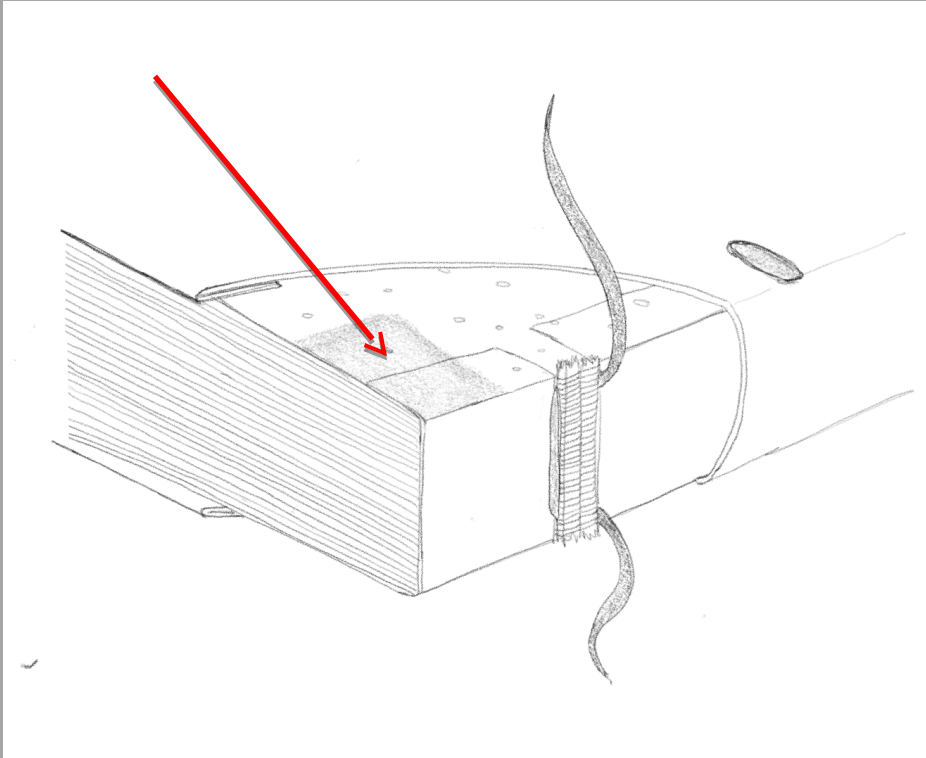
*Bulletin des Lois de la Republique
Française, 3me Série*, Paris, 1802/3



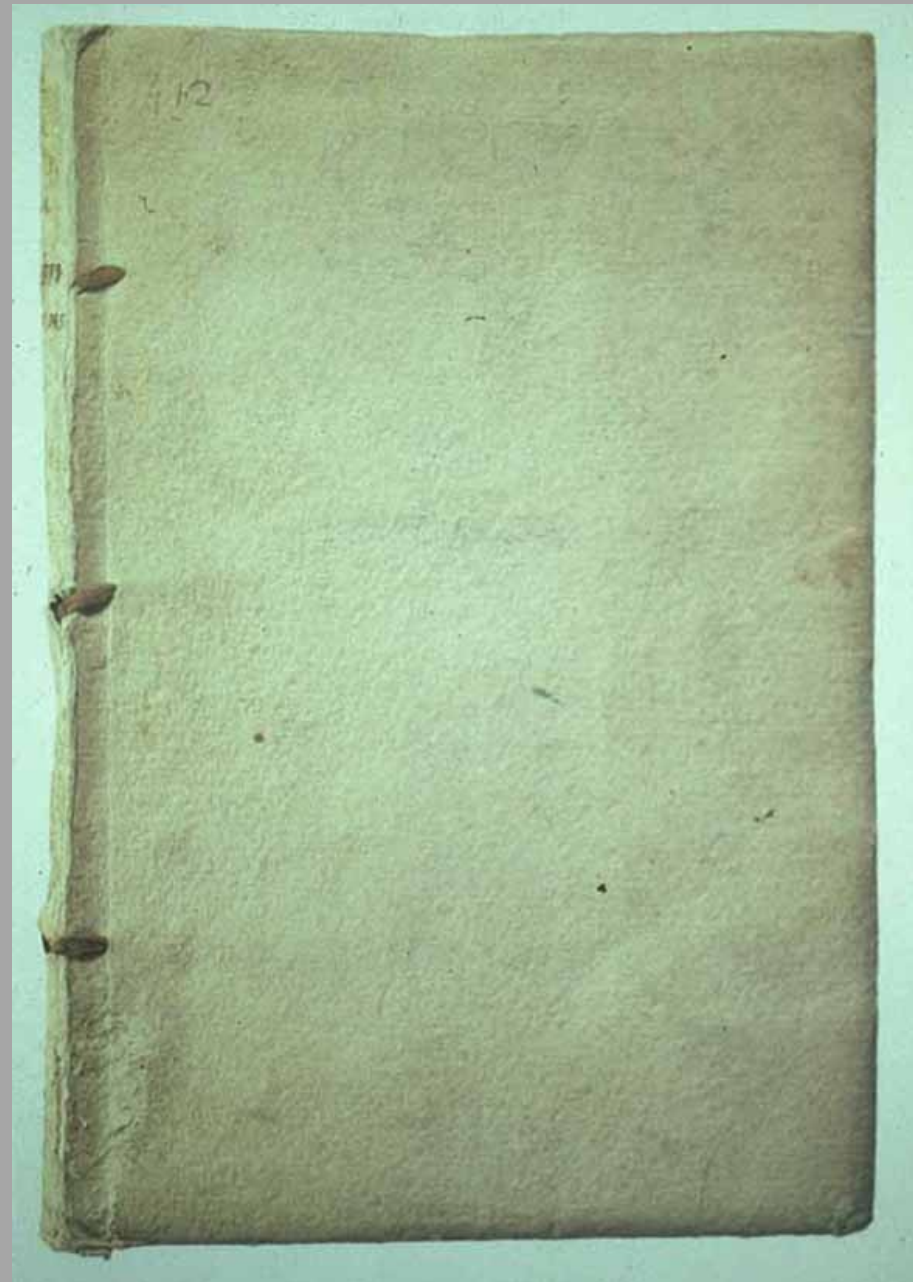
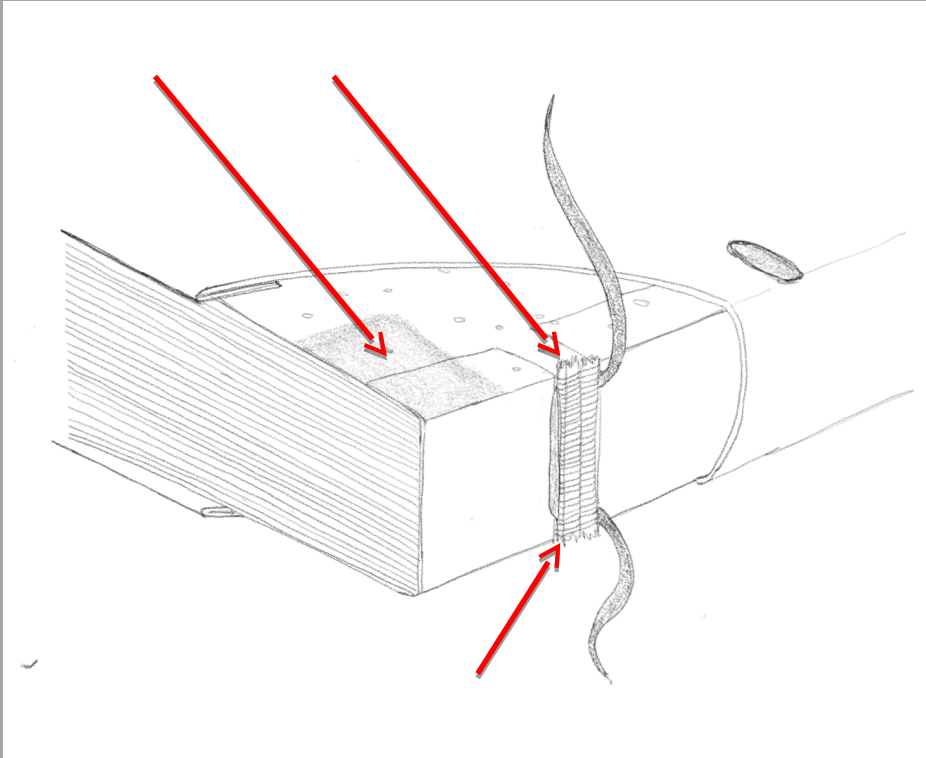
Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497



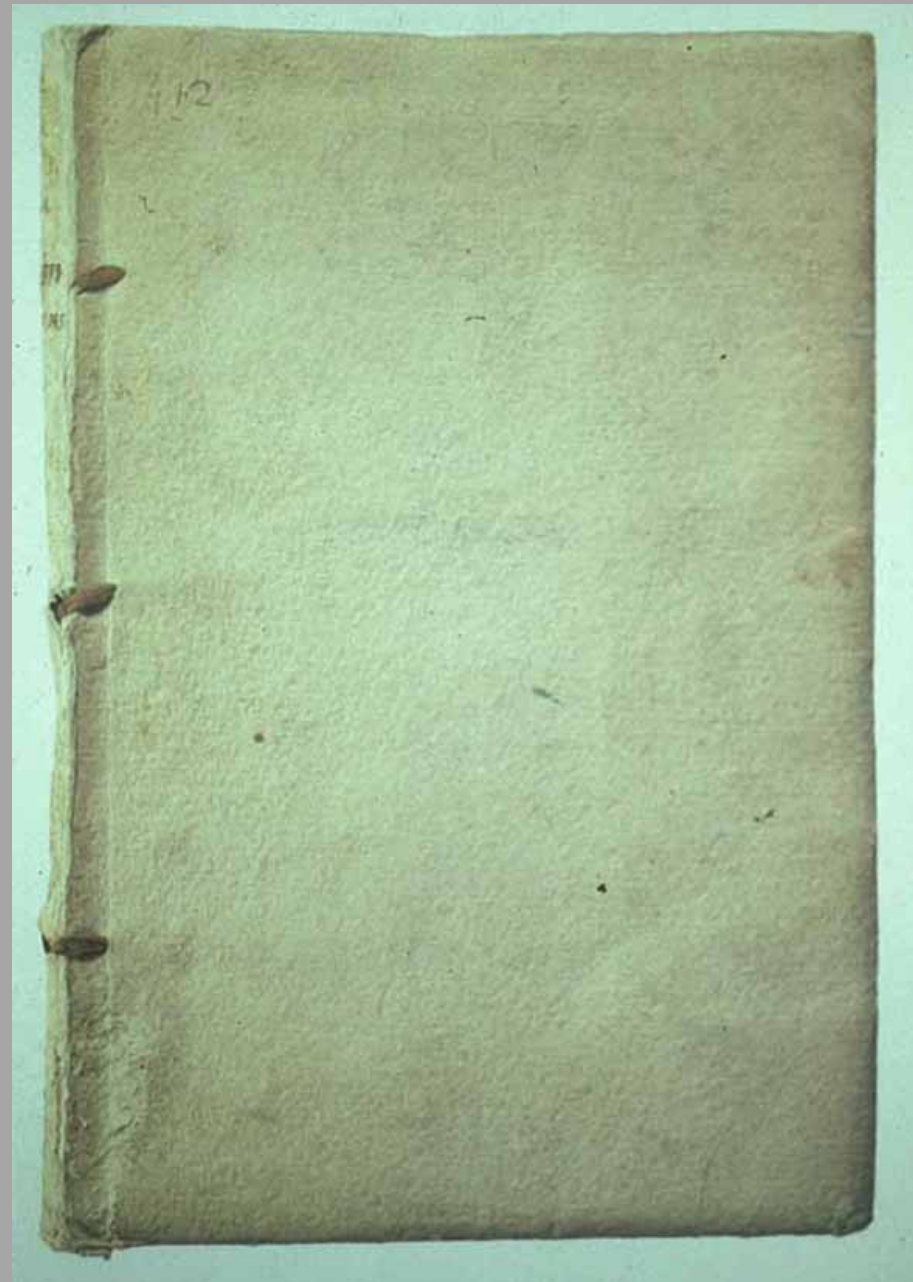
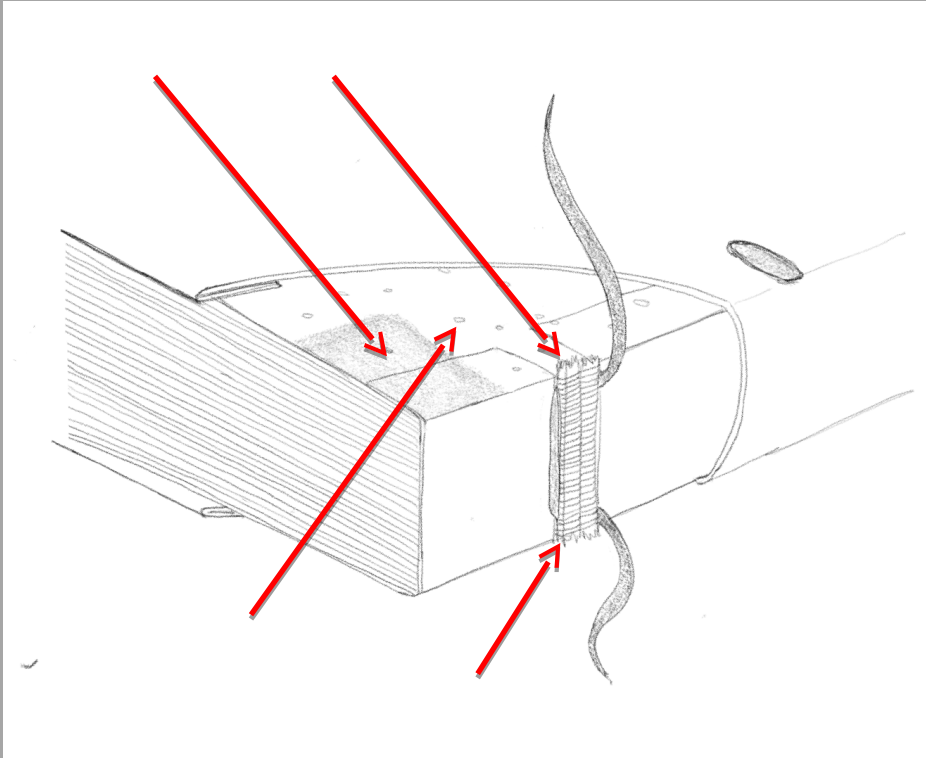
Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497



Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497



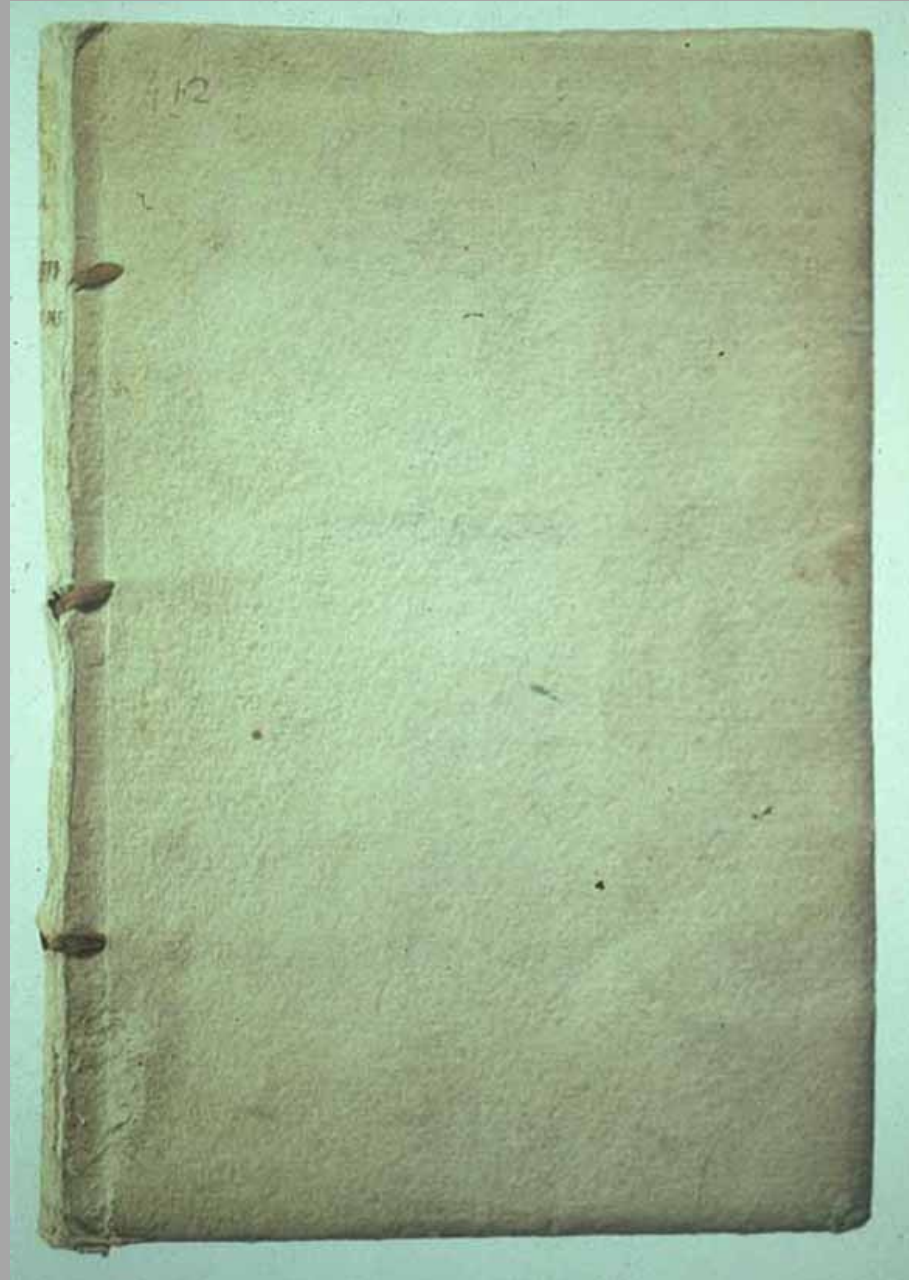
Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497



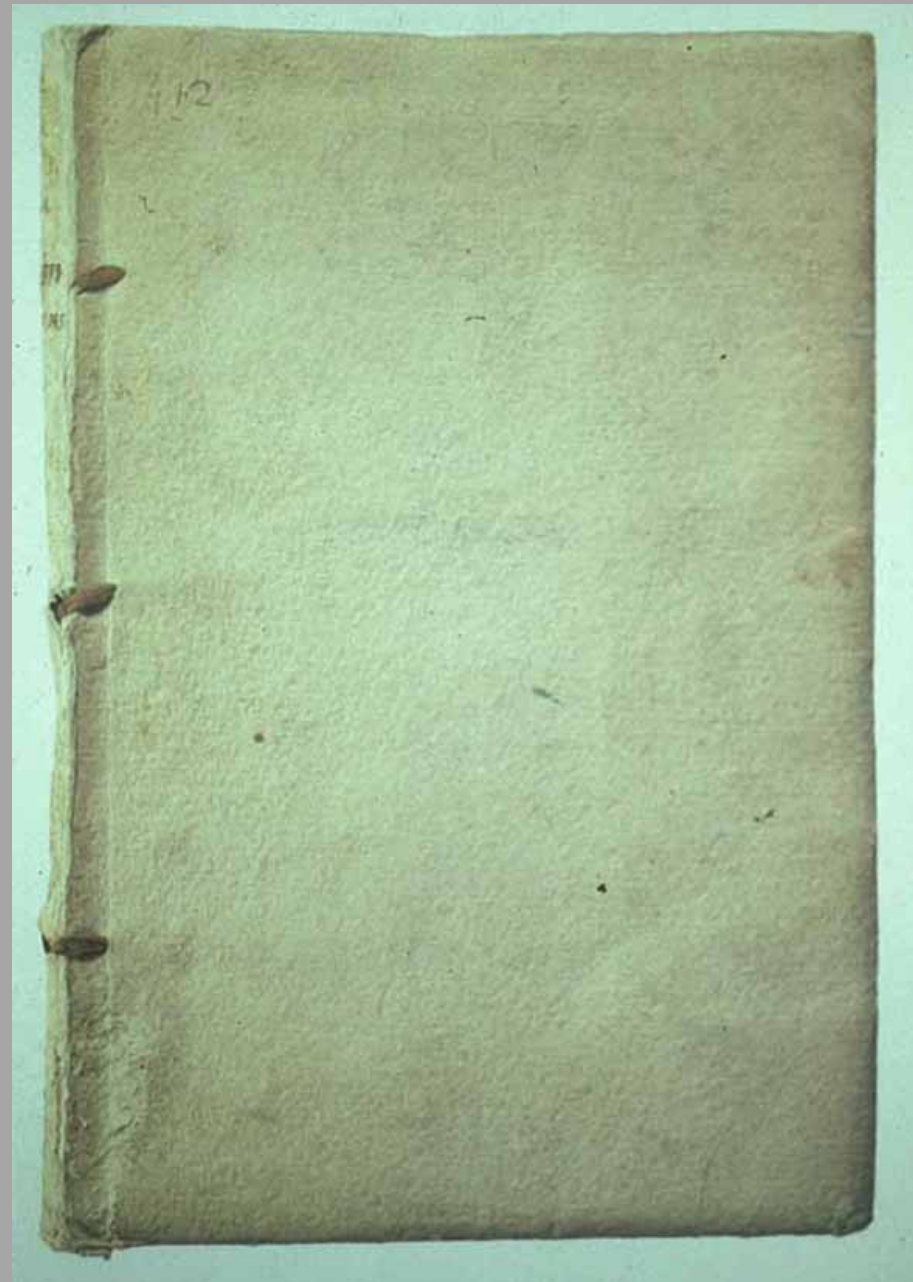
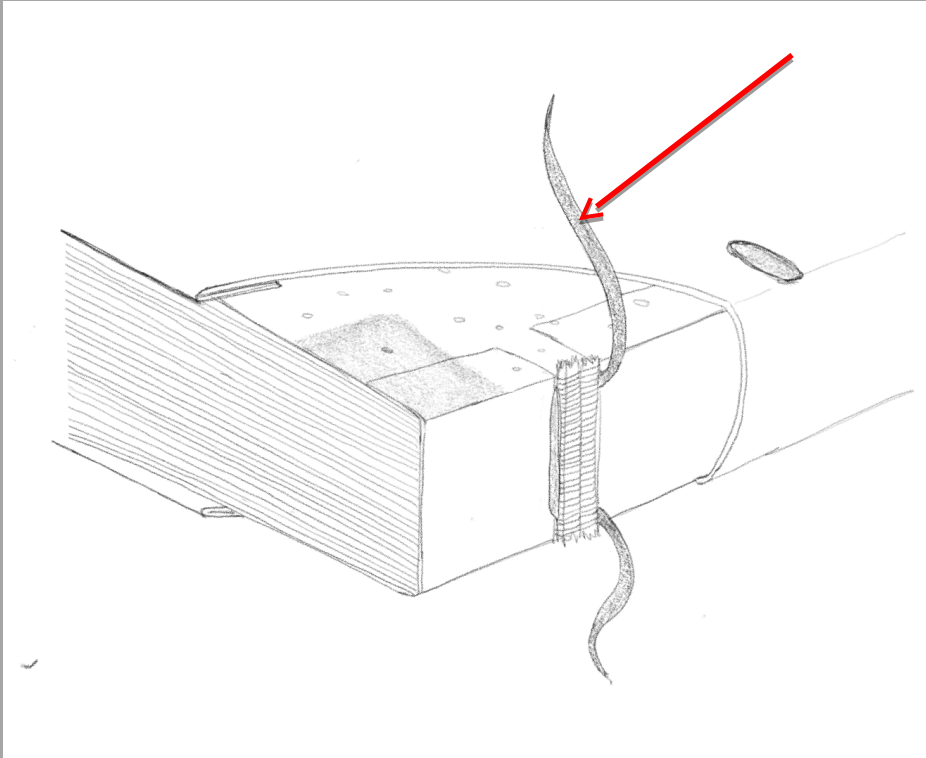
Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497



Ioannes a Sancto Geminiano, *Summa de exemplis*, Venice, 1499



Jacobus Philippus, *De claris mulieribus*, Ferrara, 1497



Jacobus Philippus, *De claris
mulieribus*, Ferrara, 1497

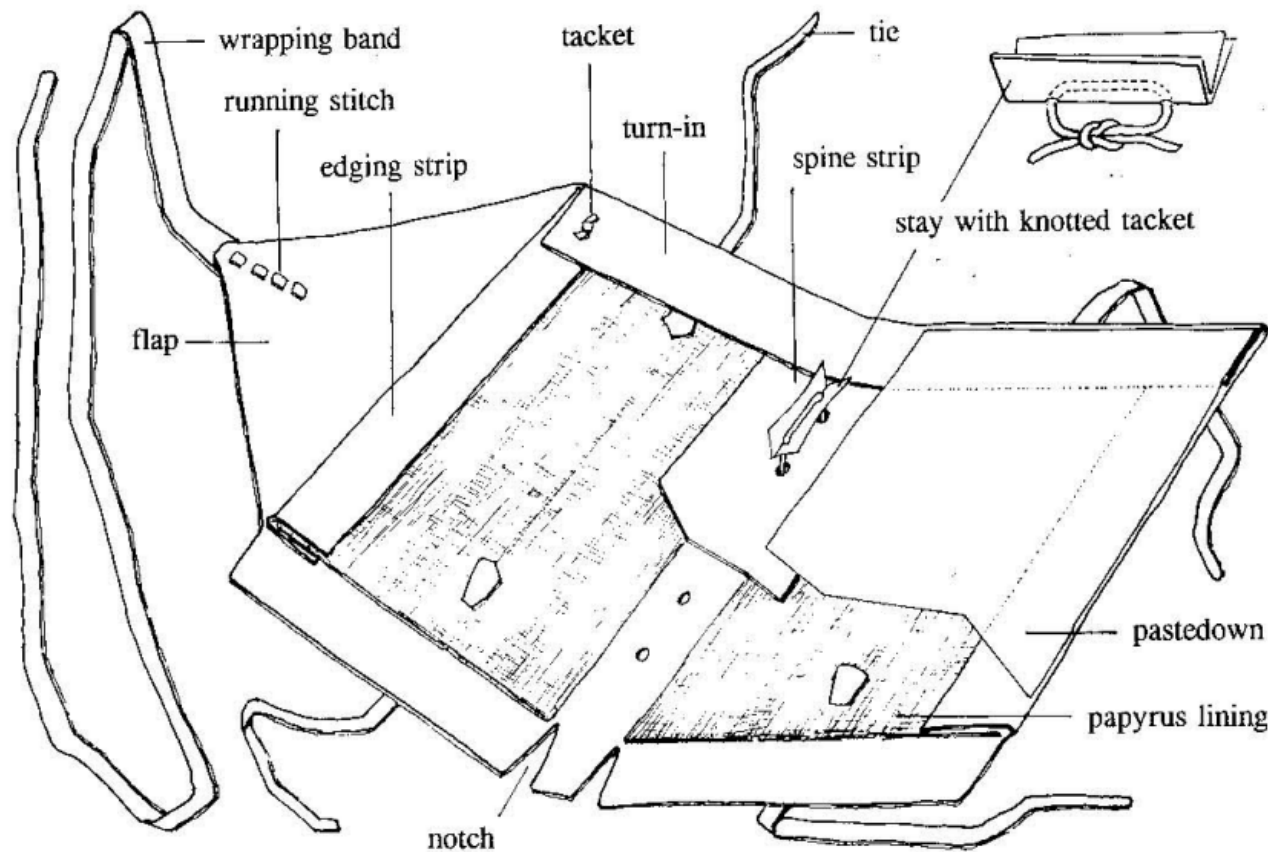


Figure 1.2 Diagram of the construction of the Nag Hammadi codices.

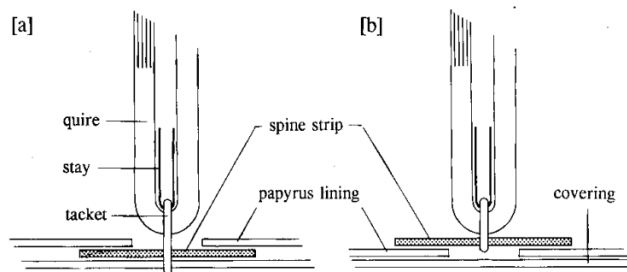


Figure 1.3 Two methods of cover attachment observed on the Nag Hammadi codices: [a], direct attachment with the tacket passing through the whole of the cover; [b], attachment mediated through the spine strip, the tacket passing through the spine strip only and remaining hidden under the covering.

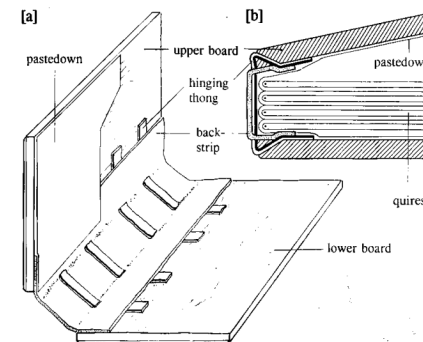


Figure 2.6 Board attachment of early Coptic codices, based on the structure of the Glazier codex (PML G 67). Diagram [a] presents the inner face of the covers, [b] shows a cross-section of the hinging thongs passing through the boards.

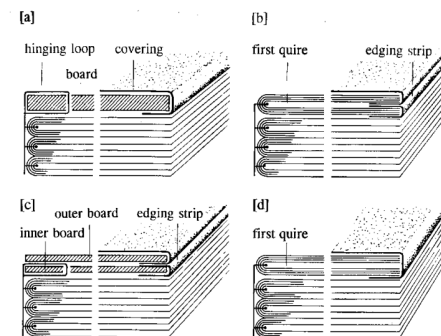


Figure 3.5 Various methods of board construction and shaping of the board edges. In [a] and [b], separately prepared pasteboard is employed and attached to the bookblock with hinging loops; in [b], a distinct grooved edge is produced by joining two boards. In [c] and [d], the outer quire, sewn with the bookblock, is used to produce the board by pasting together its leaves; a groove results when the edges of the two halves of the folded board are covered separately, [c].

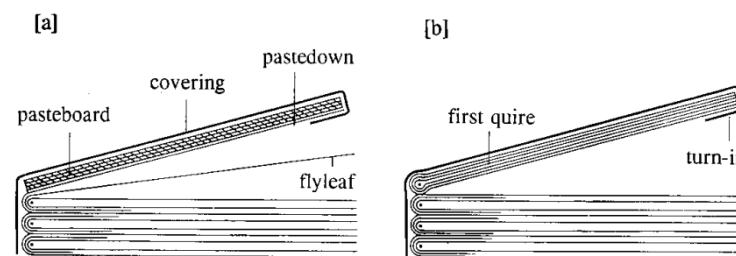


Figure 2.10 Two different methods of board construction: [a], the first leaf of the first quire is pasted down on the inner face of the upper board; [b], all leaves of the first quire are pasted together *in situ* to form the upper board ([a] is reconstructed after Bodmer P. XVI, [b] is based on Bodmer P. III).

5. ADDED ENDLEAVES CONDITION									
<input type="checkbox"/> Sound					<input type="checkbox"/> Sound				
Extent	Severity	Extent	Severity		Extent	Severity	Extent	Severity	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LEFT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RIGHT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Worn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cockling
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ragged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pleading
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tears	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Folding
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stains
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rodent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adhesive
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	tape	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Losses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Detached/loose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Detached/loose

2

<p>1. No. of stations <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> PREPARATION <input checked="" type="checkbox"/> Pierced hole <input type="checkbox"/> Single knife cut <input type="checkbox"/> V-nick <input type="checkbox"/> Other <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> <input type="checkbox"/> NK </p>	<p>6. SEWING SUPPORTS <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> Number of supports <input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> NK </p> <p>MATERIAL <input type="checkbox"/> Tawed <input type="checkbox"/> Tanned <input type="checkbox"/> Cord <input type="checkbox"/> Parchment <input type="checkbox"/> NK <input type="checkbox"/> Other <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> </p> <p>FORMATION <input type="checkbox"/> Strap <input type="checkbox"/> Twisted <input type="checkbox"/> Rolled <input type="checkbox"/> NK <input type="checkbox"/> Other <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> </p>	<p>8. STATION MEASUREMENTS</p> <div style="position: relative; height: 400px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; text-align: center;">head</div> <div style="position: absolute; bottom: 0; left: 0; width: 100%; text-align: center;">tail</div> <div style="position: absolute; top: 50px; left: 50px; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black;"></div> <div style="position: absolute; top: 50px; left: 50px; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black;"></div> <div style="position: absolute; top: 50px; left: 50px; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black;"></div> </div>																								
<p>2. SEWING GUARDS <input type="checkbox"/> None <input type="checkbox"/> All gatherings <input type="checkbox"/> Beginning & end <input type="checkbox"/> NK </p> <p><input type="checkbox"/> Parchment <input type="checkbox"/> Paper <input type="checkbox"/> Inside <input type="checkbox"/> Outside </p>	<p>7. SUPPORT ROUTE</p> <p>Double <div style="display: inline-block; width: 50px; height: 50px; border: 1px solid black; border-radius: 50%; border-style: dashed; margin: 5px;"></div></p> <p>Single <div style="display: inline-block; width: 50px; height: 50px; border: 1px solid black; border-radius: 50%; border-style: dashed; margin: 5px;"></div></p> <p><input type="checkbox"/> Linked <input type="checkbox"/> Not linked <input type="checkbox"/> NK </p>																									
<p>3. THREAD <input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> S-ply <input type="checkbox"/> Z-ply <input type="checkbox"/> NK <input type="checkbox"/> Plain <input type="checkbox"/> Silk <input type="checkbox"/> NK <input type="checkbox"/> Waxed </p> <p><input checked="" type="checkbox"/> Same as endband <input type="checkbox"/> Thin <input type="checkbox"/> Medium <input type="checkbox"/> Thick <input type="checkbox"/> Tight twist <input type="checkbox"/> Medium twist <input type="checkbox"/> Loose twist Thread colour <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block; background-color: #f0f0f0;"></div> </p>	<p>9. SEWING CONDITION</p> <p>STRUCTURE <input checked="" type="checkbox"/> Sound <input type="checkbox"/> Loose <input type="checkbox"/> Broken left / right <input type="checkbox"/> Broken in centre <input type="checkbox"/> Complete breakdown <input type="checkbox"/> Sewing removed <input type="checkbox"/> Other <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> </p> <p>THREAD <input checked="" type="checkbox"/> Sound <input type="checkbox"/> Weak <input type="checkbox"/> Totally decayed <input type="checkbox"/> Existing repairs </p>																									
<p>4. SUPPORTED <input type="checkbox"/> Yes</p> <p><input type="checkbox"/> All-along <input type="checkbox"/> 2-on <input type="checkbox"/> Other <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> <input type="checkbox"/> NK </p>	<p>10. EDGES</p> <p>DECORATION <input checked="" type="checkbox"/> None <input type="checkbox"/> Coloured <input type="checkbox"/> Painted <input type="checkbox"/> Gilt <input type="checkbox"/> Gaufrered <input type="checkbox"/> Sprinkled <input type="checkbox"/> NK <input type="checkbox"/> Other </p> <p>COLOURS <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin-bottom: 5px;"></div> </p>																									
<p>5. UNSUPPORTED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Single sequence <input type="checkbox"/> Double sequence <input type="checkbox"/> NK </p>	<p>11. EDGE CONDITION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Extent</th> <th>Severity</th> <th></th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/> Sound</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Worn</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Rounded</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Stained/soiled</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Soft</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Faded</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Other</td> </tr> </tbody> </table>		Extent	Severity		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Sound	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Worn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rounded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Stained/soiled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Soft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Faded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other
Extent	Severity																									
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Sound																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Worn																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rounded																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Stained/soiled																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Soft																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Faded																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other																								

see p 10

MS	Ethiopia	3
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2. MATERIAL			
<input checked="" type="checkbox"/> PARCHMENT	<input type="checkbox"/> MS waste	<input checked="" type="checkbox"/> PARCHMENT	<input type="checkbox"/> MS waste
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<input type="checkbox"/> PAPER	<input type="checkbox"/> Arabic	<input type="checkbox"/> PAPER	<input type="checkbox"/> Arabic
<input type="checkbox"/> Western	<input type="checkbox"/> Syriac	<input type="checkbox"/> Western	<input type="checkbox"/> Syriac
<input type="checkbox"/> Eastern	<input type="checkbox"/> Hebrew	<input type="checkbox"/> Eastern	<input type="checkbox"/> Hebrew
<input type="checkbox"/> NK	<input type="checkbox"/> Latin	<input type="checkbox"/> NK	<input type="checkbox"/> Latin
<input type="checkbox"/> Polished	<input type="checkbox"/> Other	<input type="checkbox"/> Polished	<input type="checkbox"/> Other
<input type="checkbox"/> NK		<input type="checkbox"/> NK	
<input type="checkbox"/> Watermark	<input type="checkbox"/> Printed waste	<input type="checkbox"/> Watermark	<input type="checkbox"/> Printed waste
<input type="checkbox"/> 1st use	<input type="checkbox"/> Greek	<input type="checkbox"/> 1st use	<input type="checkbox"/> Greek
<input checked="" type="checkbox"/> Ruled	<input type="checkbox"/> Arabic	<input checked="" type="checkbox"/> Ruled	<input type="checkbox"/> Arabic
<input type="checkbox"/> Mastara	<input type="checkbox"/> Hebrew	<input type="checkbox"/> Mastara	<input type="checkbox"/> Hebrew
<input type="checkbox"/> Pricked	<input type="checkbox"/> Black letter	<input type="checkbox"/> Pricked	<input type="checkbox"/> Black letter
<input checked="" type="checkbox"/> Ruled same as text	<input type="checkbox"/> Roman/Italic	<input checked="" type="checkbox"/> Ruled same as text	<input type="checkbox"/> Roman/Italic
<input type="checkbox"/> NK	<input checked="" type="checkbox"/> Other	<input type="checkbox"/> NK	<input type="checkbox"/> Other

3. CONDITION						LEFT		RIGHT					
Extent		Severity	<input type="checkbox"/> Sound			<input type="checkbox"/> Sound							
			<input type="checkbox"/> Worn		100	30		Cocking		100	20		Cocking
			<input type="checkbox"/> Ragged		10	10		Pleating					Pleating
			<input type="checkbox"/> Tears					Folding					Folding
			<input type="checkbox"/> Insect		20	30		Stains		20	40		Stains
			<input type="checkbox"/> Rodent					Adhesive tape					Adhesive tape
			<input type="checkbox"/> Losses					Other					Other
			<input type="checkbox"/> Detached/loose										Detached/loose

4. ADDED ENDLEAVES		Yes <input type="checkbox"/> No <input type="checkbox"/>	LEFT	RIGHT	Yes <input type="checkbox"/> No <input type="checkbox"/>
<input type="checkbox"/> Paper	<input type="checkbox"/> Parchment	<input type="checkbox"/> NK		<input type="checkbox"/> Paper	<input type="checkbox"/> Parchment <input type="checkbox"/> NK
<input type="checkbox"/> Western				<input type="checkbox"/> Western	
<input type="checkbox"/> Eastern	<input type="checkbox"/> Other <input type="text"/>			<input type="checkbox"/> Eastern	<input type="checkbox"/> Other <input type="text"/>
<input type="checkbox"/> Burnished				<input type="checkbox"/> Burnished	

5. ADDED ENDLEAVES CONDITION									
Extent		Severity	<input type="checkbox"/> Sound	LEFT	RIGHT	Extent		Severity	<input type="checkbox"/> Sound
<input type="checkbox"/>				Worn	<input type="checkbox"/>				Worn
<input type="checkbox"/>				Ragged	<input type="checkbox"/>				Ragged
<input type="checkbox"/>				Tears	<input type="checkbox"/>				Tears
<input type="checkbox"/>				Insect	<input type="checkbox"/>				Insect
<input type="checkbox"/>				Rodent	<input type="checkbox"/>				Rodent
<input type="checkbox"/>				Adhesive tape	<input type="checkbox"/>				Adhesive tape
<input type="checkbox"/>				Losses	<input type="checkbox"/>				Losses
<input type="checkbox"/>				Detached/loose	<input type="checkbox"/>				Detached/loose

5. SEWING (CURRENT), EDGES

MS	Ethiopia	3
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<p>1. No. of stations <input type="text" value=""/> PREPARATION <input checked="" type="checkbox"/> Pierced hole <input type="checkbox"/> Single knife cut <input type="checkbox"/> V-nick <input type="checkbox"/> Other <input type="text"/> <input type="checkbox"/> NK</p>	<p>6. SEWING SUPPORTS <input type="text" value=""/> Number of supports <input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> NK MATERIAL <input type="checkbox"/> Tawed <input type="checkbox"/> Tanned <input type="checkbox"/> Cord <input type="checkbox"/> Parchment <input type="checkbox"/> NK <input type="checkbox"/> Other <input type="text"/> FORMATION <input type="checkbox"/> Strap <input type="checkbox"/> Twisted <input type="checkbox"/> Rolled <input type="checkbox"/> NK <input type="checkbox"/> Other <input type="text"/></p>	<p>8. STATION MEASUREMENTS</p> <div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>head</p> <p>5</p> <p>36</p> <p>67</p> <p>105</p> <p>136</p> <p>165</p> <p>192</p> <p>tail</p> </div> <div style="flex: 2; border-left: 1px solid black; border-right: 1px solid black; height: 500px; position: relative;"> <div style="position: absolute; top: 0; right: 0;">head</div> <div style="position: absolute; bottom: 0; left: 0;">tail</div> </div> <div style="flex: 1; text-align: right;"> <p>Current</p> <p>Previous</p> <p>Earlier</p> </div> </div>																								
<p>2. SEWING GUARDS <input type="checkbox"/> None <input type="checkbox"/> All gatherings <input type="checkbox"/> Beginning & end <input type="checkbox"/> NK <input type="checkbox"/> Parchment <input type="checkbox"/> Paper <input type="checkbox"/> Inside <input type="checkbox"/> Outside</p>	<p>7. SUPPORT ROUTE <input type="text" value=""/> Double <input type="text" value=""/> Single <input type="checkbox"/> Linked <input type="checkbox"/> Not linked <input type="checkbox"/> NK</p>																									
<p>3. THREAD <input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> S-ply <input type="checkbox"/> Z-ply <input type="checkbox"/> NK <input type="checkbox"/> Plain <input type="checkbox"/> Silk <input type="checkbox"/> NK <input type="checkbox"/> Waxed <input checked="" type="checkbox"/> Same as endband <input type="checkbox"/> Thin <input type="checkbox"/> Medium <input type="checkbox"/> Thick <input type="checkbox"/> Tight twist <input type="checkbox"/> Medium twist <input type="checkbox"/> Loose twist Thread colour <input type="text" value=""/></p>	<p>9. SEWING CONDITION</p> <div style="display: flex;"> <div style="flex: 1;"> <p>STRUCTURE <input checked="" type="checkbox"/> Sound <input type="checkbox"/> Loose <input type="checkbox"/> Broken left / right <input type="checkbox"/> Broken in centre <input type="checkbox"/> Complete breakdown <input type="checkbox"/> Sewing removed <input type="checkbox"/> Other <input type="text"/></p> </div> <div style="flex: 1;"> <p>THREAD <input checked="" type="checkbox"/> Sound <input type="checkbox"/> Weak <input type="checkbox"/> Totally decayed <input type="checkbox"/> Existing repairs</p> </div> </div>																									
<p>4. SUPPORTED <input type="checkbox"/> Yes <input type="checkbox"/> All-along <input type="checkbox"/> 2-on <input type="checkbox"/> Other <input type="text"/> <input type="checkbox"/> NK</p>	<p>10. EDGES <input type="checkbox"/> Uncut <input checked="" type="checkbox"/> Cut <input type="checkbox"/> Cut before sewing METHOD <input checked="" type="checkbox"/> Plain cut <input type="checkbox"/> Knife cut <input type="checkbox"/> Blade marks <input type="checkbox"/> NK DECORATION <input checked="" type="checkbox"/> None <input type="checkbox"/> Coloured <input type="checkbox"/> Painted <input type="checkbox"/> Gilt <input type="checkbox"/> Gaufered <input type="checkbox"/> Sprinkled <input type="checkbox"/> NK <input type="checkbox"/> Other <input type="text"/> COLOURS <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p>	<p>11. EDGE CONDITION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Extent</th> <th>Severity</th> <th></th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/> Sound</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Worn</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Rounded</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Stained/soiled</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Soft</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Faded</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/> Other <input type="text"/></td> </tr> </tbody> </table>	Extent	Severity		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Sound	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Worn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rounded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Stained/soiled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Soft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Faded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other <input type="text"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Faded																								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other <input type="text"/>																								

5. SEWING (CURRENT), EDGES

MS

Ethiopia

3

1. No. of stations

PREPARATION

- ☒ Pierced hole
☐ Single knife cut
☐ V-nick
☐ Other
☐ NK

2. SEWING GUARDS

- ☒ None ☐ Parchment
☐ All gatherings ☐ Paper
☐ Beginning & end ☐ Inside
☐ NK ☐ Outside

3. THREAD

- ☐ Single ☒ Same as endband
☒ Double ☐ Thin
☐ S-ply ☐ Medium
☒ Z-ply ☐ Thick
☐ NK ☒ Tight twist
☐ Plain ☐ Medium twist
☐ Silk ☐ Loose twist
☐ NK ☐ Thread colour
☐ Waxed ☒ OTHER
 gets twisted thread

4. SUPPORTED ☐ Yes

- ☐ All-along
☐ 2-on
☐ Other
☐ NK

5. UNSUPPORTED

- ☒ Yes
☐ Single sequence
☐ Double sequence
☐ NK

6. SEWING SUPPORTS

Number of supports

- ☐ Single
☐ Double
☐ NK

MATERIAL

- ☐ Tawed
☐ Tanned
☐ Cord
☐ Parchment
☐ NK
☐ Other

FORMATION

- ☐ Strap
☐ Twisted
☐ Rolled
☐ NK
☐ Other

7. SUPPORT ROUTE

Double



Single



Raised



Recessed

☐ NK

Flat

8. STATION MEASUREMENTS

head

5

36

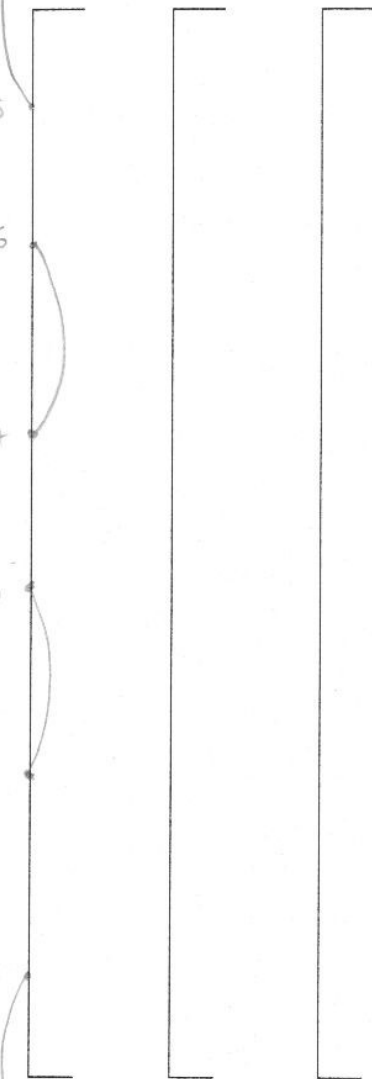
67

105

136

165

tail



Current

Previous

Earlier

9. SEWING CONDITION

STRUCTURE

- ☒ Sound

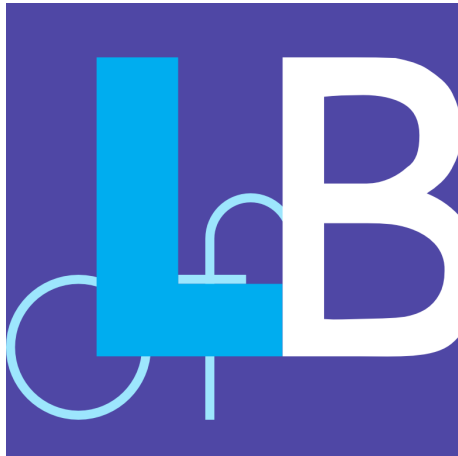
THREAD

- ☒ Sound

Implied relationships

Component \rightarrow Type
component *is of* type

Component \rightarrow Component
component *is part of* component



Language of Bindings Thesaurus



<http://www.ligatus.org.uk/lob>

4. ENDLEAVES *see p 10* MS *Ethiopia* 3

1. LEFT

☒ Yes ☐ No ☐ NK ☒ INTEGRAL ☐ SEPARATE

No.

outermost gathering

2
1

☒ Full size ☐ Undersize ☐ Extended ☐ Deckles ☐ NK

RIGHT

☐ Yes ☐ No ☐ NK ☐ INTEGRAL ☒ SEPARATE

No.

outermost gathering

2
1

☐ Full size ☐ Undersize ☐ Extended ☐ Deckles ☐ NK

2. MATERIAL

☒ PARCHMENT
☐ PAPYRUS
☐ PAPER

☐ MS waste
☐ Greek
☐ Arabic
☐ Syriac
☐ Hebrew
☐ Latin
☐ Other

☐ Western
☐ Eastern
☐ NK

☐ Polished
☐ NK

☐ Watermark
☐ 1st use
☒ Ruled
☐ Mastara
☐ Pricked
☒ Ruled same as text
☐ NK

☐ Printed waste
☐ Greek
☐ Arabic
☐ Hebrew
☐ Black letter
☐ Roman/Italic
☐ Other

2nd endleaf has a print on paper stick

☒ PARCHMENT
☐ PAPYRUS
☐ PAPER

☐ MS waste
☐ Greek
☐ Arabic
☐ Syriac
☐ Hebrew
☐ Latin
☐ Other

☐ Western
☐ Eastern
☐ NK

☐ Polished
☐ NK

☐ Watermark
☐ 1st use
☒ Ruled
☐ Mastara
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☒ Ruled same as text
☐ NK

☐ Printed waste
☐ Greek
☐ Arabic
☐ Hebrew
☐ Black letter
☐ Roman/Italic
☐ Other

2nd endleaf has a print on paper stick

3. CONDITION

☐ Sound

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

LEFT

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

RIGHT

☐ Sound

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

4. ADDED ENDLEAVES

☐ Yes ☒ No

☐ Paper
☐ Western
☐ Eastern
☐ Burnished

☐ Parchment
☐ NK
☐ Other

LEFT

☐ Yes ☒ No

☐ Paper
☐ Western
☐ Eastern
☐ Burnished

☐ Parchment
☐ NK
☐ Other

RIGHT

☐ Yes ☒ No

☐ Paper
☐ Western
☐ Eastern
☐ Burnished

☐ Parchment
☐ NK
☐ Other

5. ADDED ENDLEAVES CONDITION

☐ Sound

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

LEFT

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

RIGHT

☐ Sound

Extent Severity

Worn

Ragged

Tears

Insect

Rodent

Losses

Detached/loose

Extent Severity

Cockling

Pleating

Folding

Stains

Adhesive tape

Other

5. SEWING (CURRENT), EDGES MS *Ethiopia* 3

1. No. of stations

PREPARATION

☒ Pierced hole
☐ Single knife cut
☐ V-nick
☐ Other
☐ NK

2. SEWING GUARDS

☐ None
☐ All gatherings
☐ Beginning & end
☐ NK

☐ Parchment
☐ Paper
☐ Inside
☐ Outside

3. THREAD

☐ Single
☒ Double
☐ S-ply
☐ Z-ply
☐ NK
☐ Plain
☐ Silk
☐ Waxed

☒ Same as endband
☐ Thin
☐ Medium
☐ Thick
☒ Tight twist
☐ Medium twist
☐ Loose twist

Thread colour
☒ OTHER

gold twisted thread

6. SEWING SUPPORTS

Number of supports

☐ Single
☐ Double
☐ NK

MATERIAL

☐ Tawed
☐ Tanned
☐ Cord
☐ Parchment
☐ NK
☐ Other

FORMATION

☐ Strap
☐ Twisted
☐ Rolled
☐ NK
☐ Other

7. SUPPORT ROUTE

Double

☐ Linked
☐ Not linked
☐ NK

Single

Raised

Recessed

Flat

☐ NK

8. STATION MEASUREMENTS

head

5

36

62

105

136

165

192

tail

Current

Previous

Earlier

9. SEWING CONDITION

STRUCTURE

☒ Sound
☐ Loose
☐ Broken left / right
☐ Broken in centre
☐ Complete breakdown
☐ Sewing removed
☐ Other

THREAD

☐ Sound
☐ Weak
☐ Totally decayed
☐ Existing repairs

tail

head

10. EDGES

☐ Uncut
☒ Cut
☐ Cut before sewing

DECORATION

☒ None
☐ Coloured
☐ Painted
☐ Gilt
☐ Gauffered
☐ Sprinkled
☐ NK
☐ Other

COLOURS

11. EDGE CONDITION

Extent Severity

Sound

Worn

Rounded

Stained/soiled

Soft

Faded

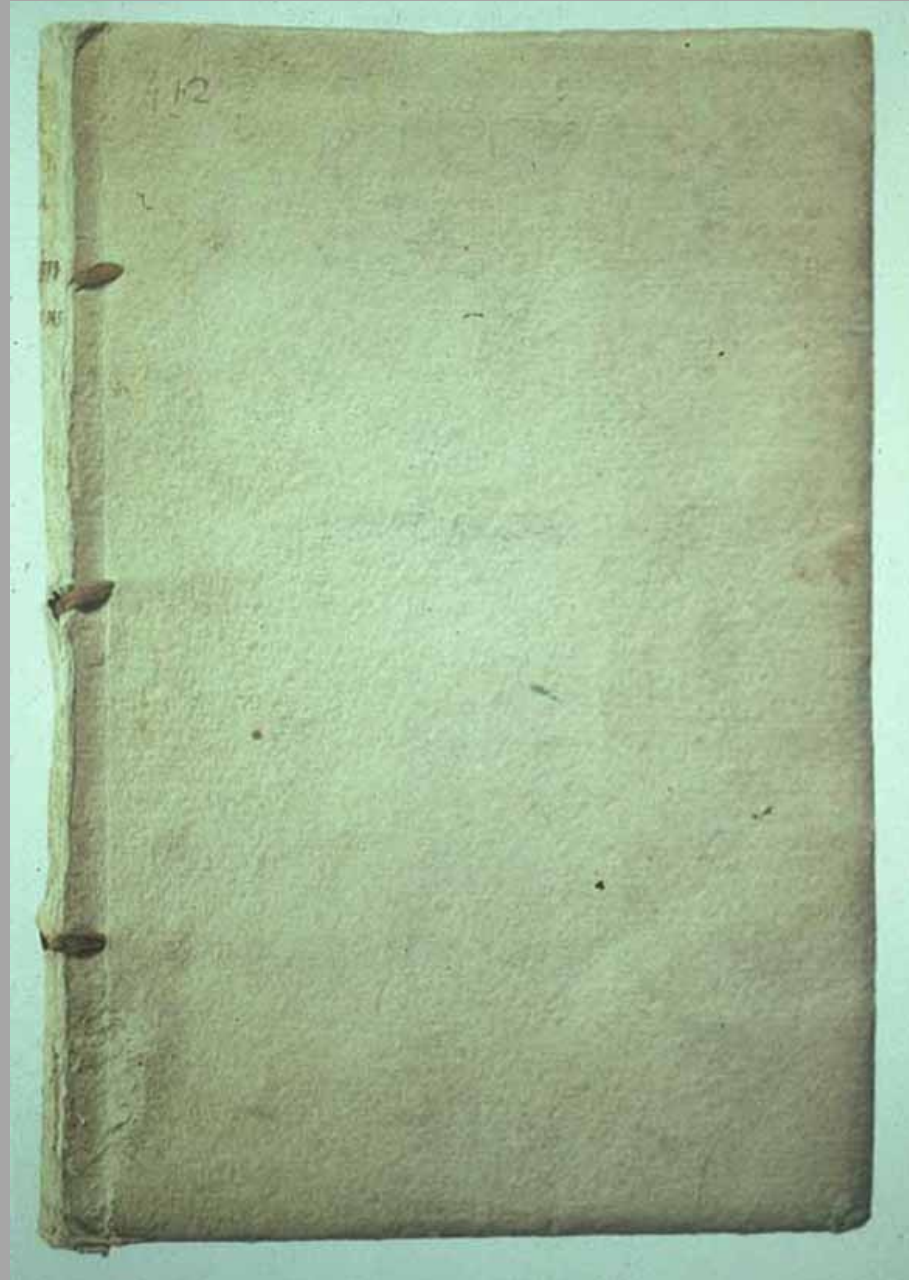
Other

Types with implied period of time

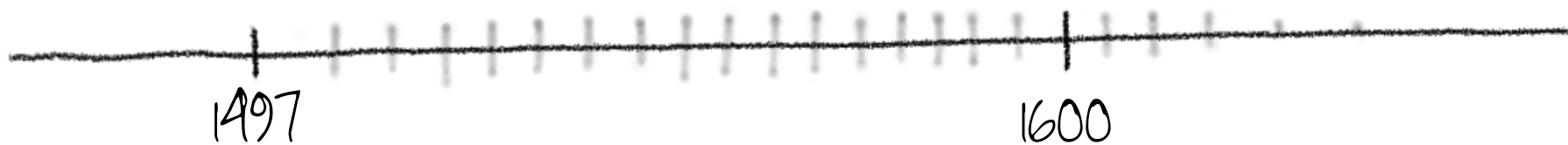
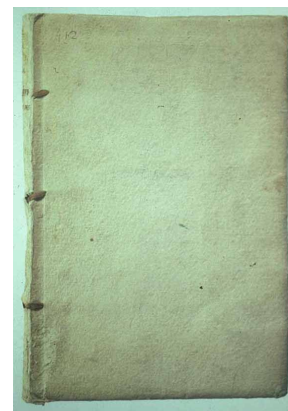
- Added endleaves
- Current – Previous – Earlier



Ioannes a Sancto Geminiano, *Summa de exemplis*, Venice, 1499



Jacobus Philippus, *De claris mulieribus*, Ferrara, 1497



Jacobus Philippus, De claris mulieribus
(Book)

produced

to

1497 boards
(Component)

happened during

added

Board addition

Binding



1497

1600

Jacobus Philippus, De claris mulieribus
(Book)

Binding

produced

to

happened during

Board addition

1497 boards
(Component)

added



Jacobus Philippus, De claris mulieribus
(Book)

Alteration

altered

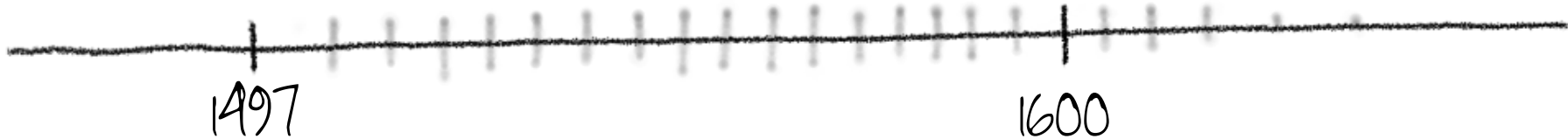
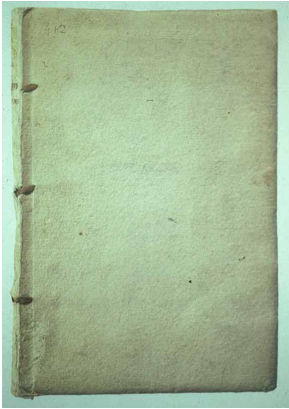
from

happened during

Board removal

1497 boards
(Component)

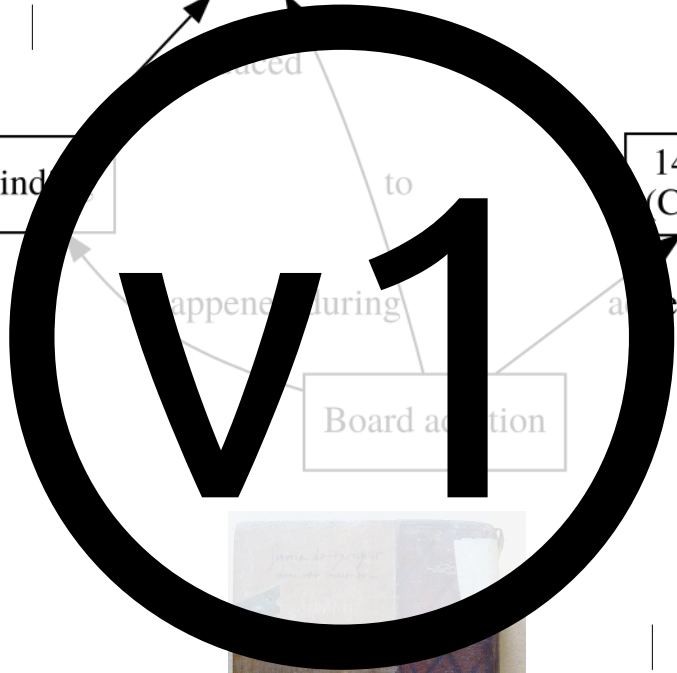
removed



Jacobus Philippus, De claris mulieribus
(Book)

Bind

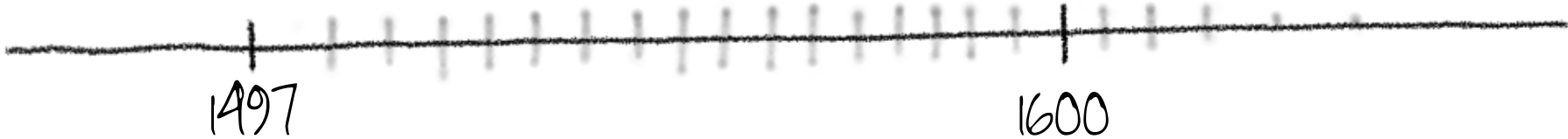
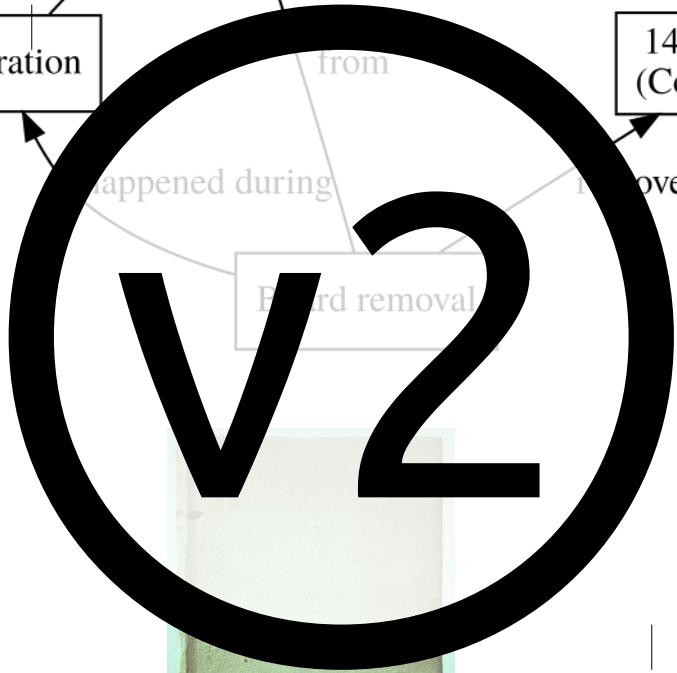
1497 boards
(Component)



Jacobus Philippus, De claris mulieribus
(Book)

Alteration

1497 boards
(Component)





Definition of the CIDOC Conceptual Reference Model

Produced by the ICOM/CIDOC
Documentation Standards Group,
Continued by the
CIDOC CRM Special Interest Group

Version 6.2

May 2015

Current Main Editors: Patrick Le Boeuf, Martin Doerr, Christian Emil Ore, Stephen Stead

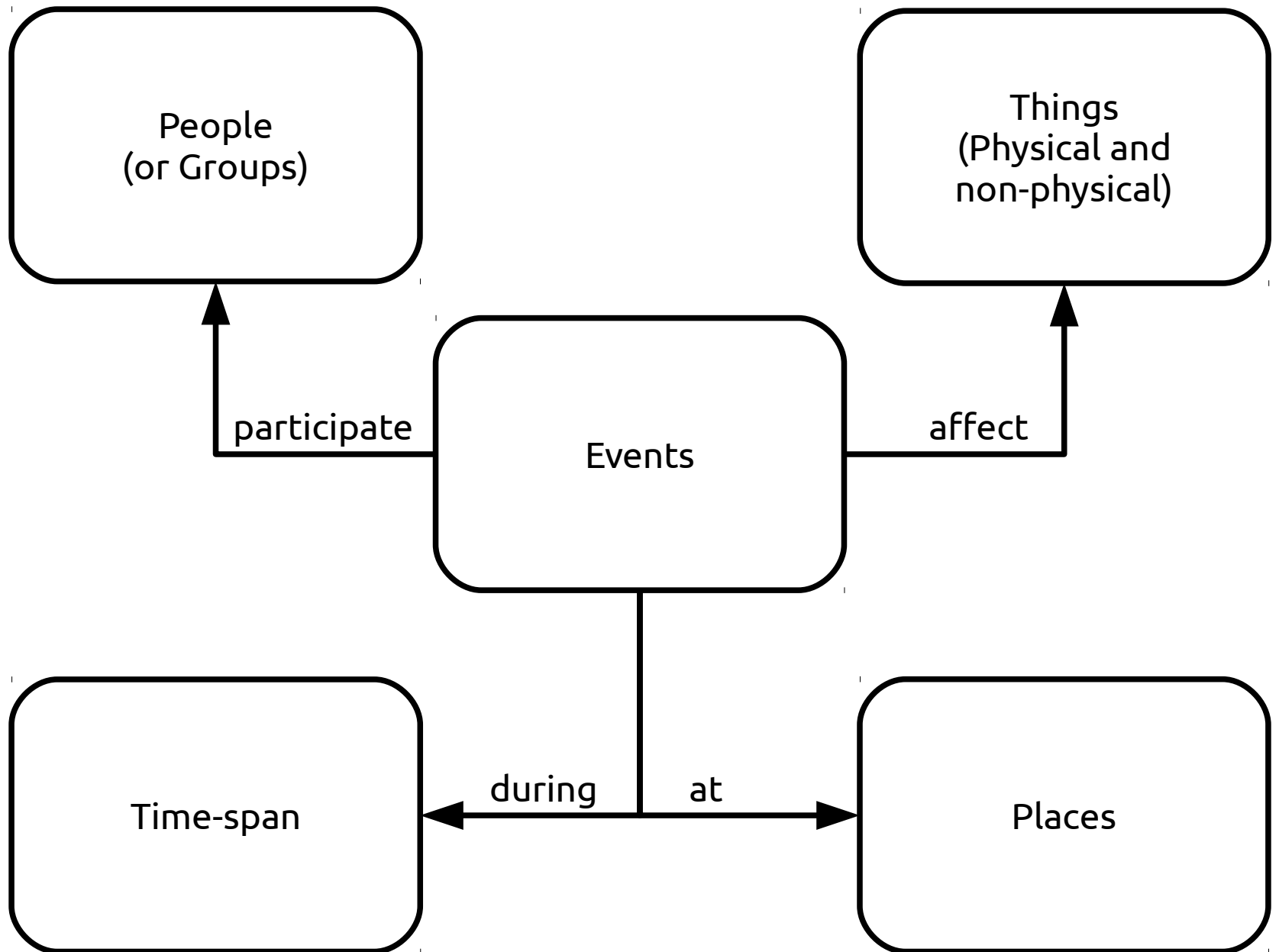
Contributors: Trond Aalberg, Detlev Balzer, Chryssoula Bekiari, Lina Boudouri, Nick Crofts, Gordon Dunsire, Øyvind Eide, Tony Gill, Günther Goerz, Monika Hagedorn-Saupe, Gerald Hiebel, Jon Holmen, Juha Inkari, Dolores Iorizzo, Juha Kotipelto, Siegfried Krause, Karl Heinz Lampe, Carlos Lamsfus, Jutta Lindenthal, Mika Nyman, Pat Riva, Lene Rold, Richard Smiraglia, Regine Stein, Matthew Stiff, Maja Žumer

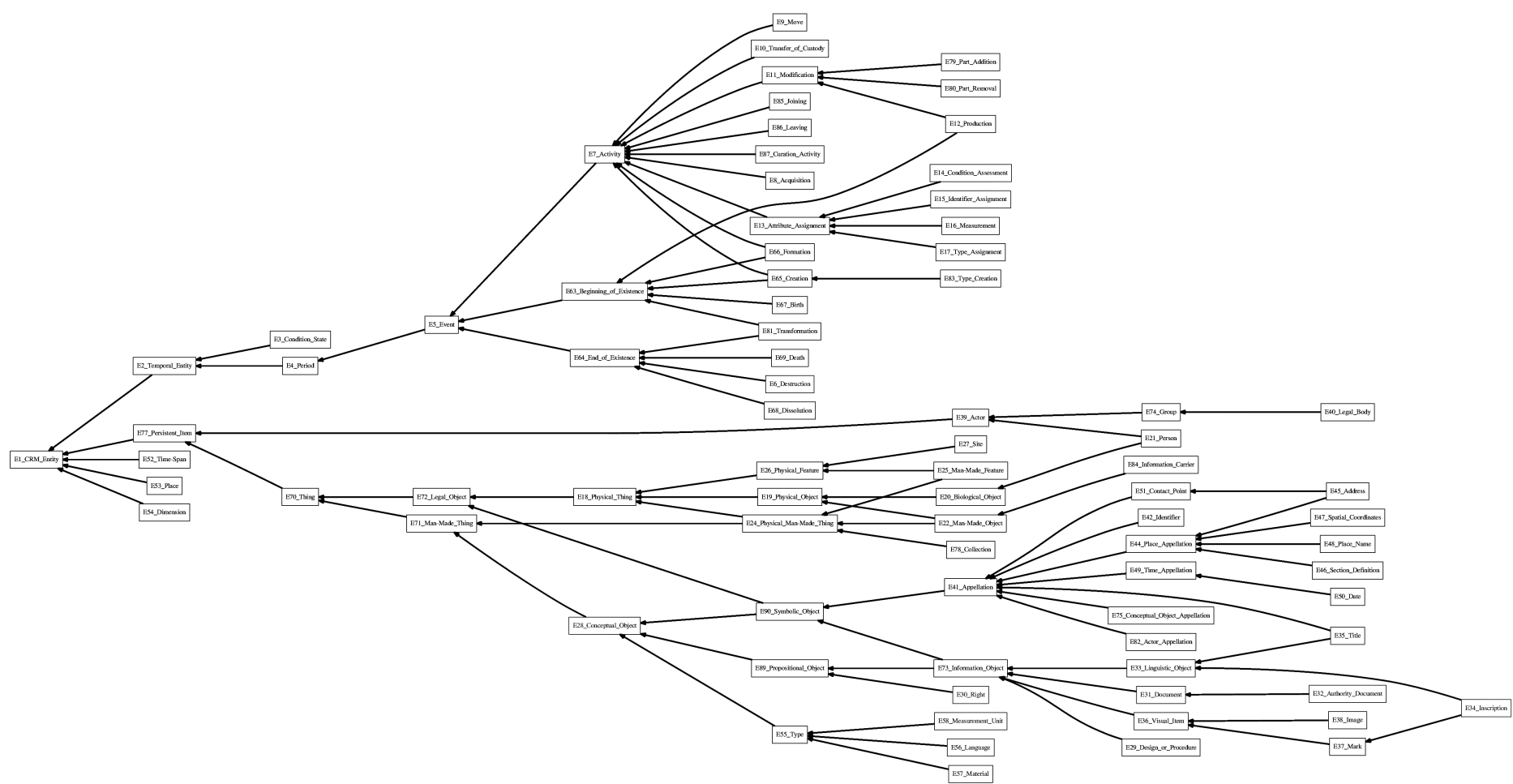
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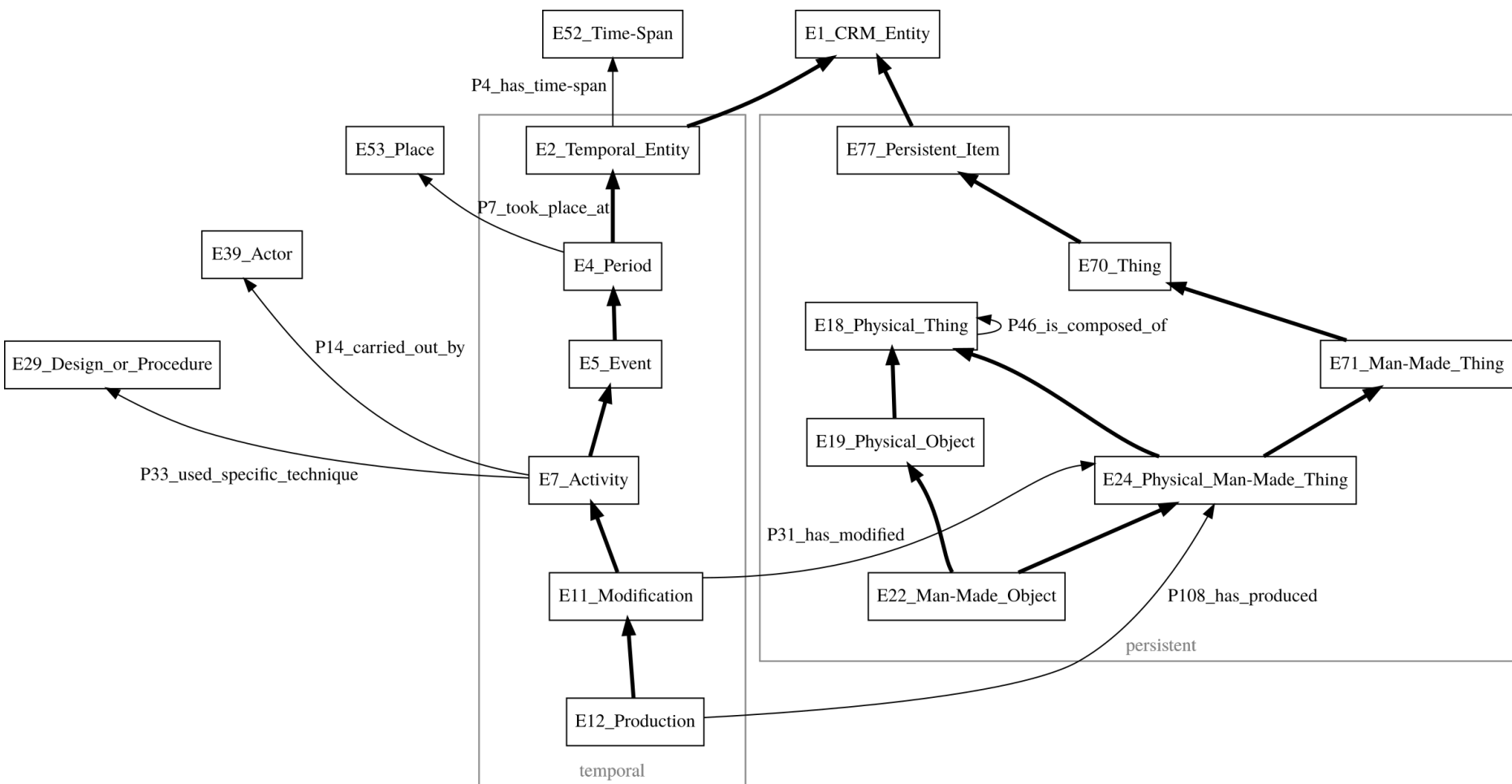
The screenshot shows the ISO 21127:2014 product page. The top navigation bar includes 'Standards', 'About us', 'Standards Development', 'News', and 'Store'. The 'Store' tab is active. Below the navigation bar, the breadcrumb trail reads: 'Store > Standards catalogue > By ICS > TC 46 Information and documentation > SC 4'. The main title is 'ISO 21127:2014' with a small 'e' icon. Below it is the subtitle 'Information and documentation -- A reference ontology for the interchange of cultural heritage information'. There is a 'Preview ISO 21127:2014' button. The 'Abstract' section contains two paragraphs of text. To the right, there is a 'FORMAT' section with icons for PDF, EPUB, and PAPER, and a 'LANGUAGE' dropdown set to 'English'. Below this, the price is shown as 'CHF 198' with an 'Add to basket' button. A 'Keep up to date with ISO' section encourages signing up for a newsletter. At the bottom, there is a 'Got a question?' section with a link to 'Check out our FAQs' and 'Email customer services' information.

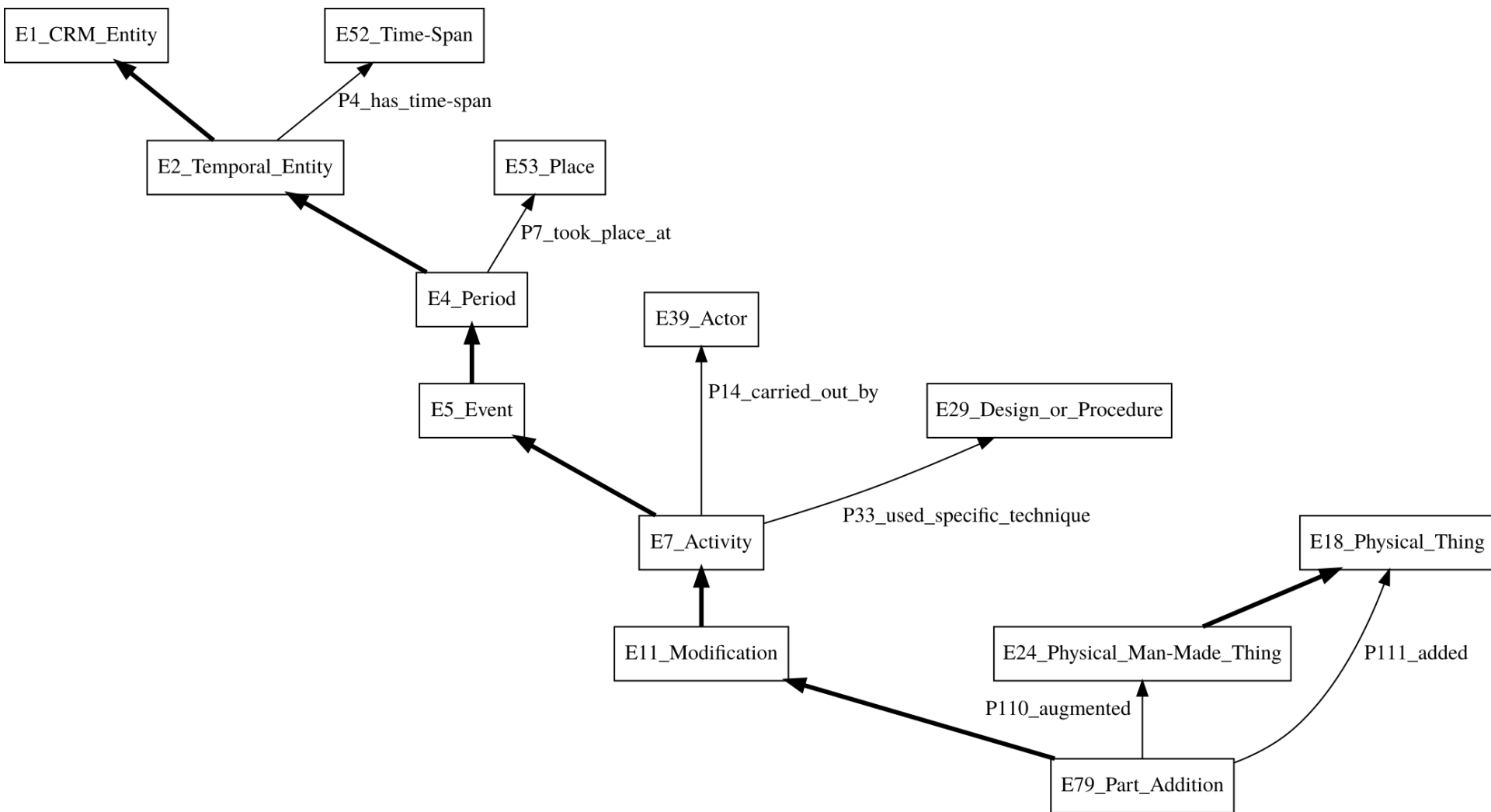


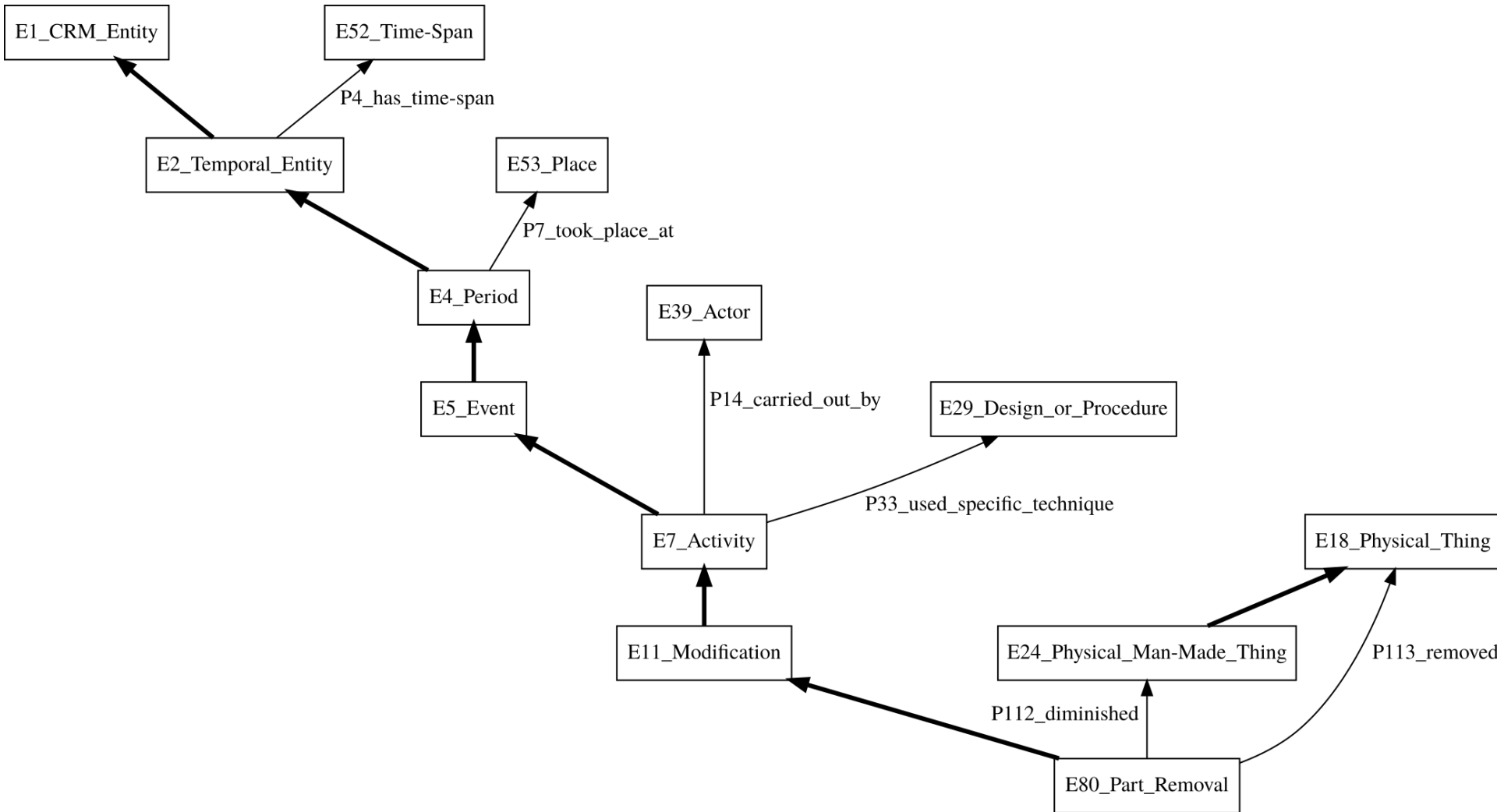
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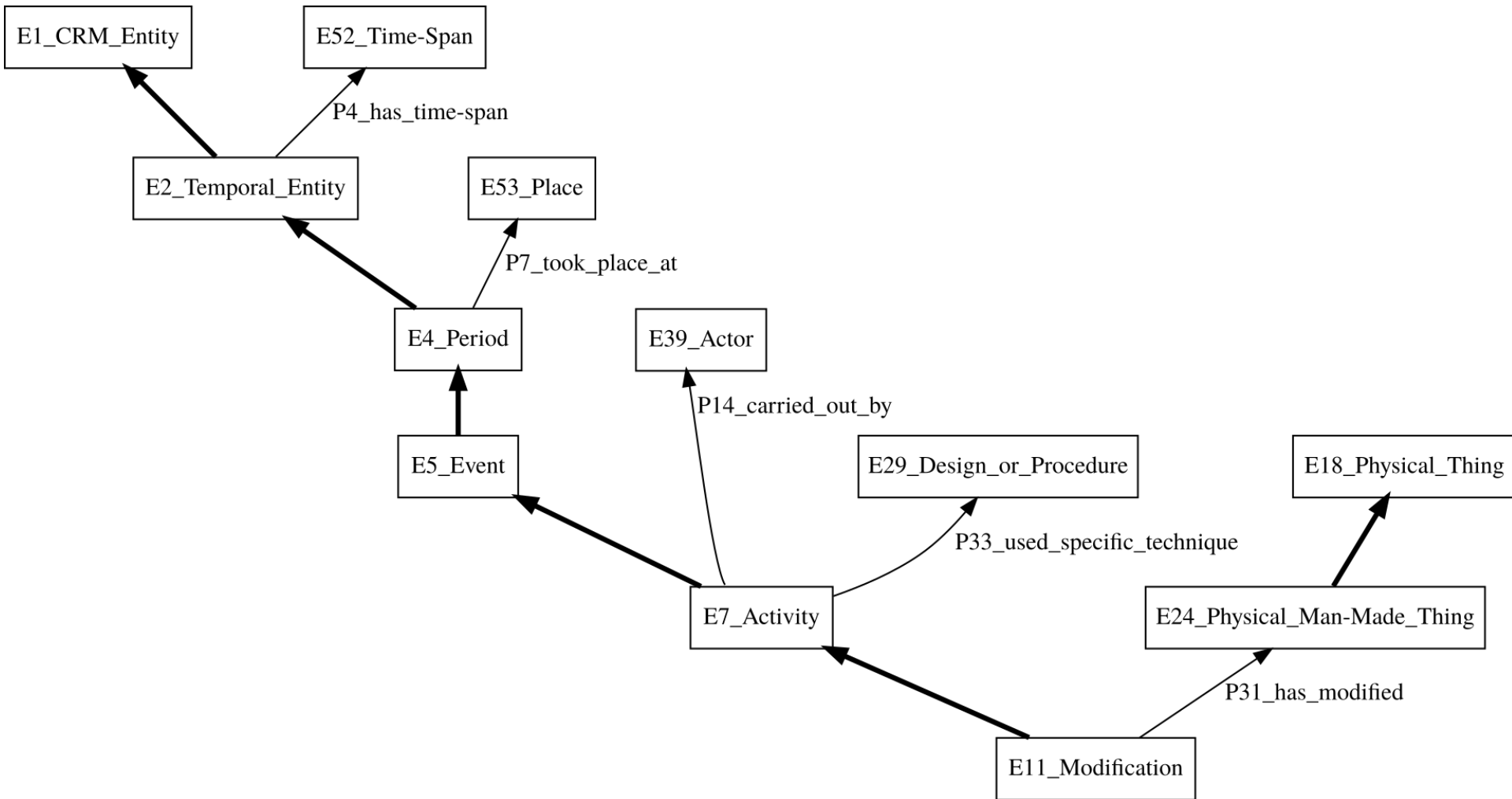


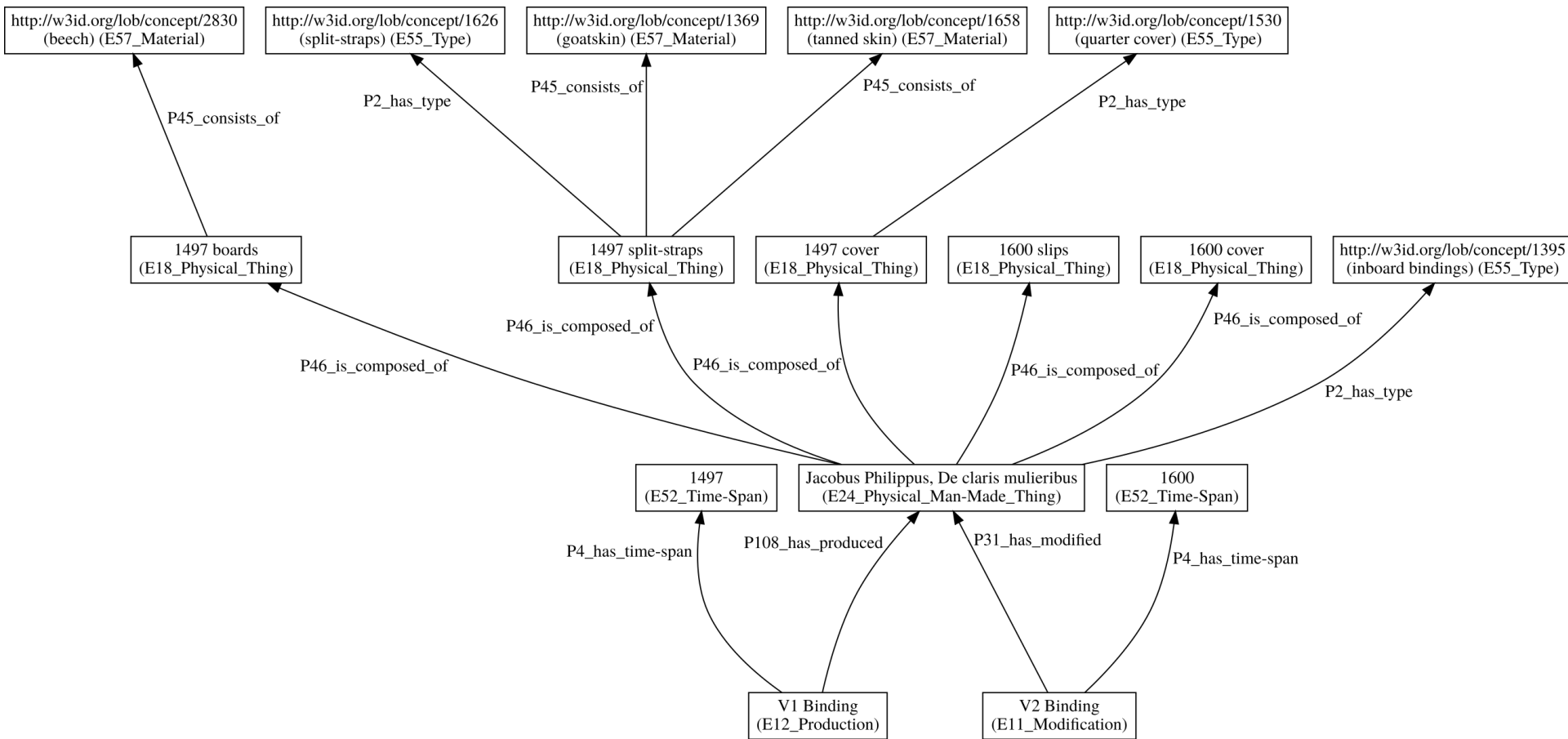


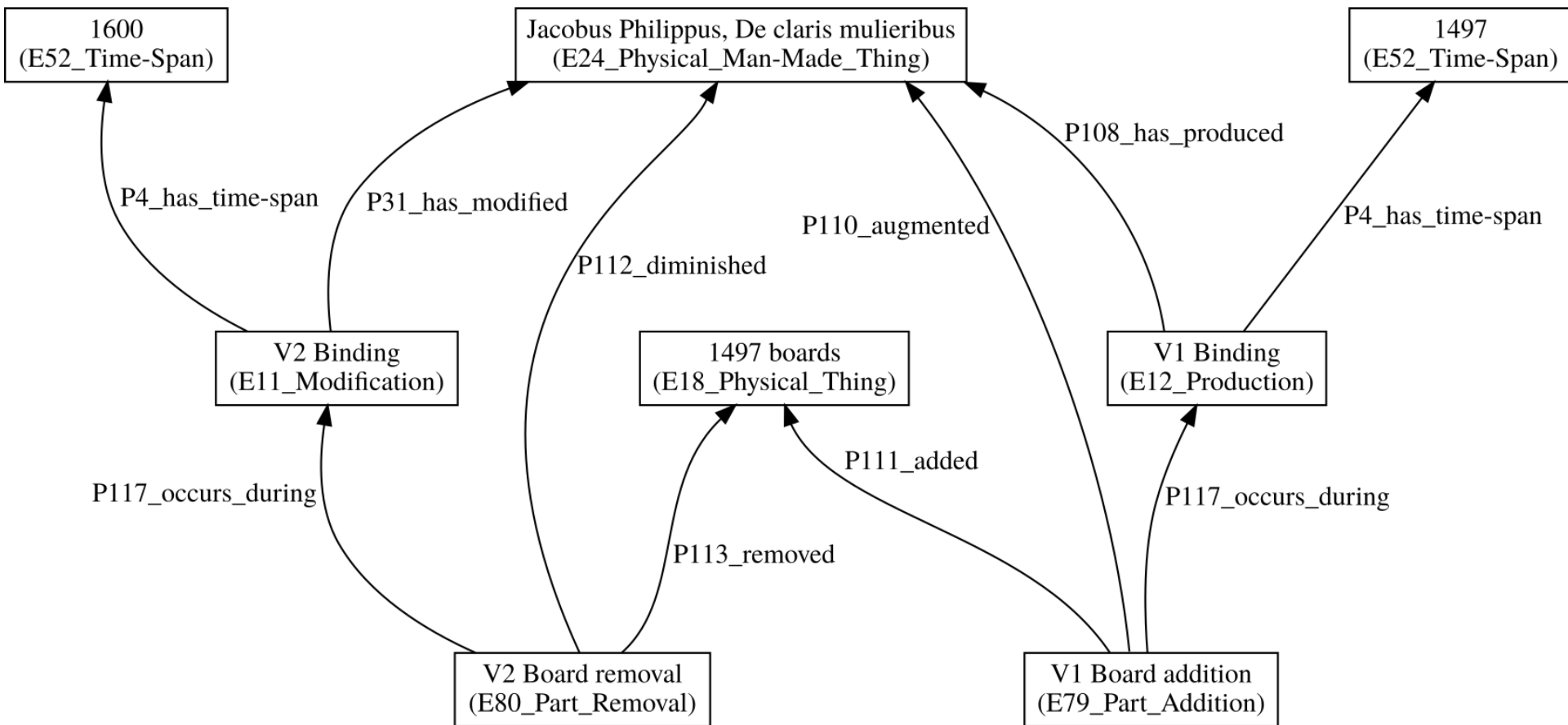












Issues to discuss

- Subjectivity
 - are there objective criteria to define versions?

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- Observation and deduction
 - what do I see and what do I know?

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are there objective criteria to define versions?
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what do I see and what do I know?
- **Thousands of identifiers**
how do we manage them?

Issues to discuss

- **Subjectivity**
are there objective criteria to define versions?
- **Observation and deduction**
what do I see and what do I know?
- **Thousands of identifiers**
how do we manage them?
- **Communicate structure**
how do we make the schema/model accessible to professionals?

