

# Brief History of Book & Bookbinding Techniques



# Overview



- ◆ Brief History of Books and Paper
- ◆ Parts of the Book
- ◆ Traditional Binding Styles
- ◆ Bookbinding Tools and Materials
- ◆ Bookbinding Courses and Instruction
- ◆ Practical Exercise: Sewing a 3-hole soft cover pamphlet

# History and Development of the “Book”

From Ancient Sumer to the Digital Age

## 4 Major Transformations of the “Book”

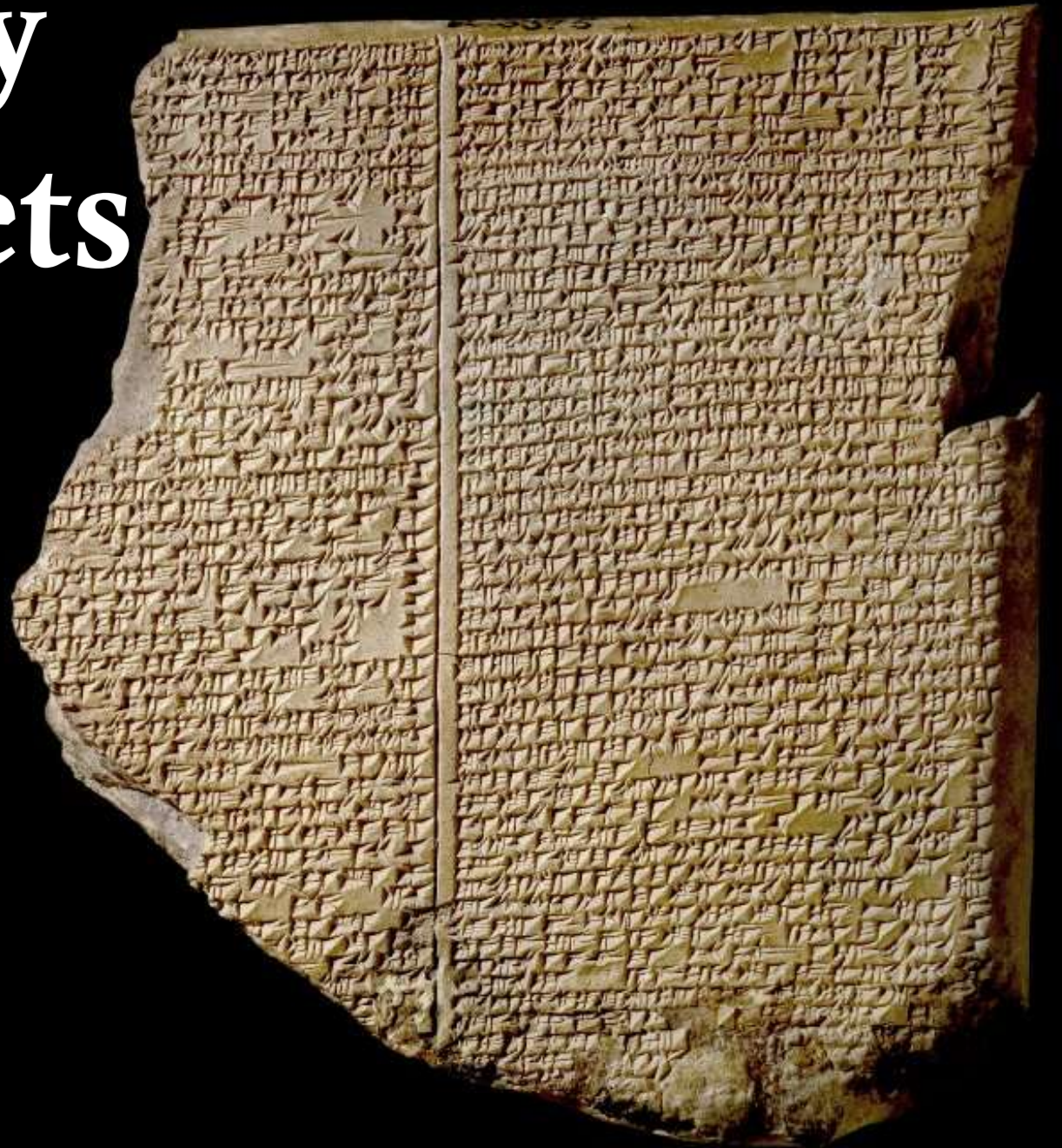
- ◆ Clay tablets (2500 BCE – 100 CE)
- ◆ Papyrus scrolls (2000 BCE – 700 CE)
- ◆ Codex (100 CE – present)
- ◆ Electronic book (20<sup>th</sup> century – present)



# Clay Tablets

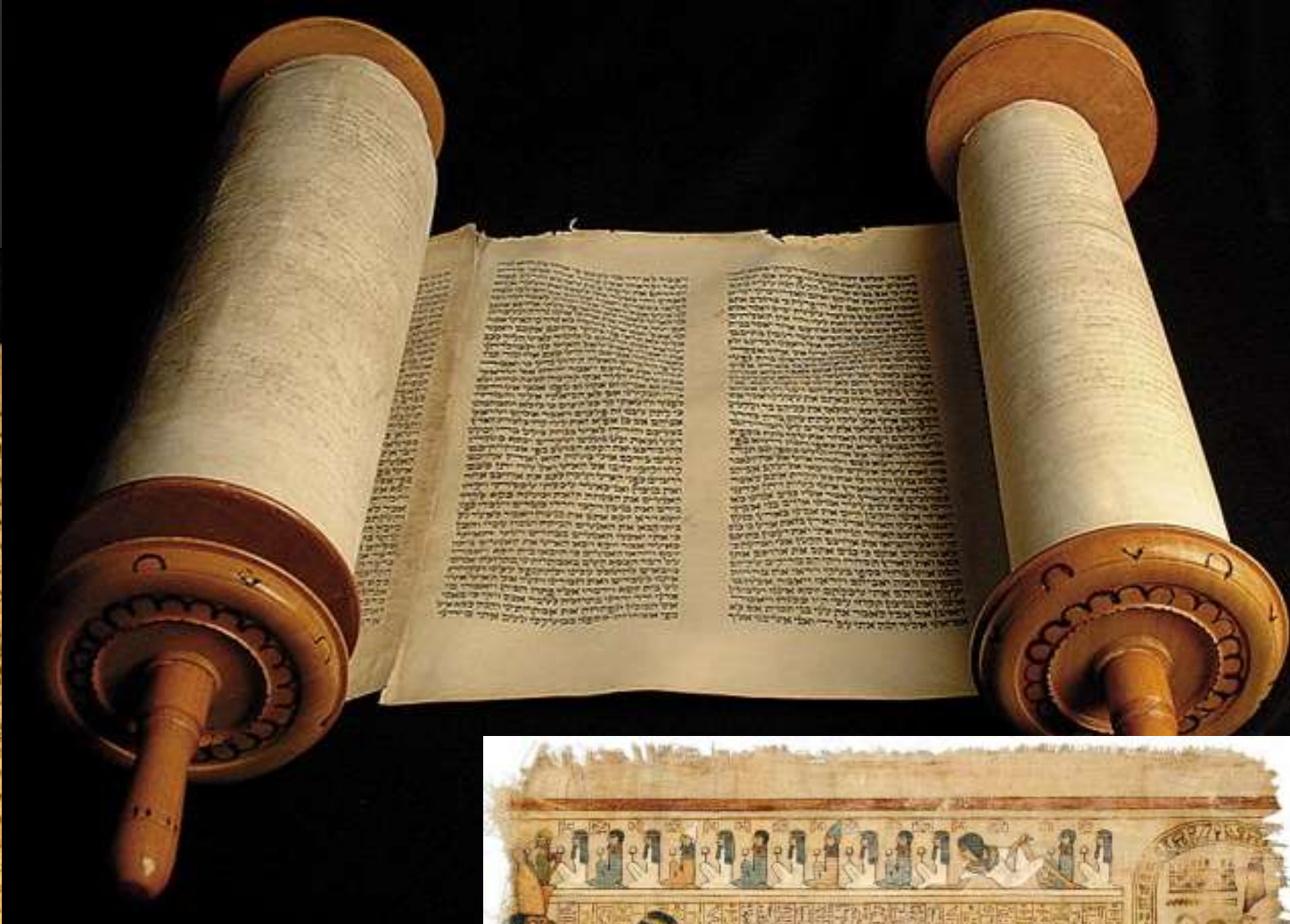


Code of Hammurabi (The Louvre)





# Papyrus Scrolls





# The Codex





## The Migration of Paper Making Technology





[http://en.wikipedia.org/wiki/Printing\\_press](http://en.wikipedia.org/wiki/Printing_press)

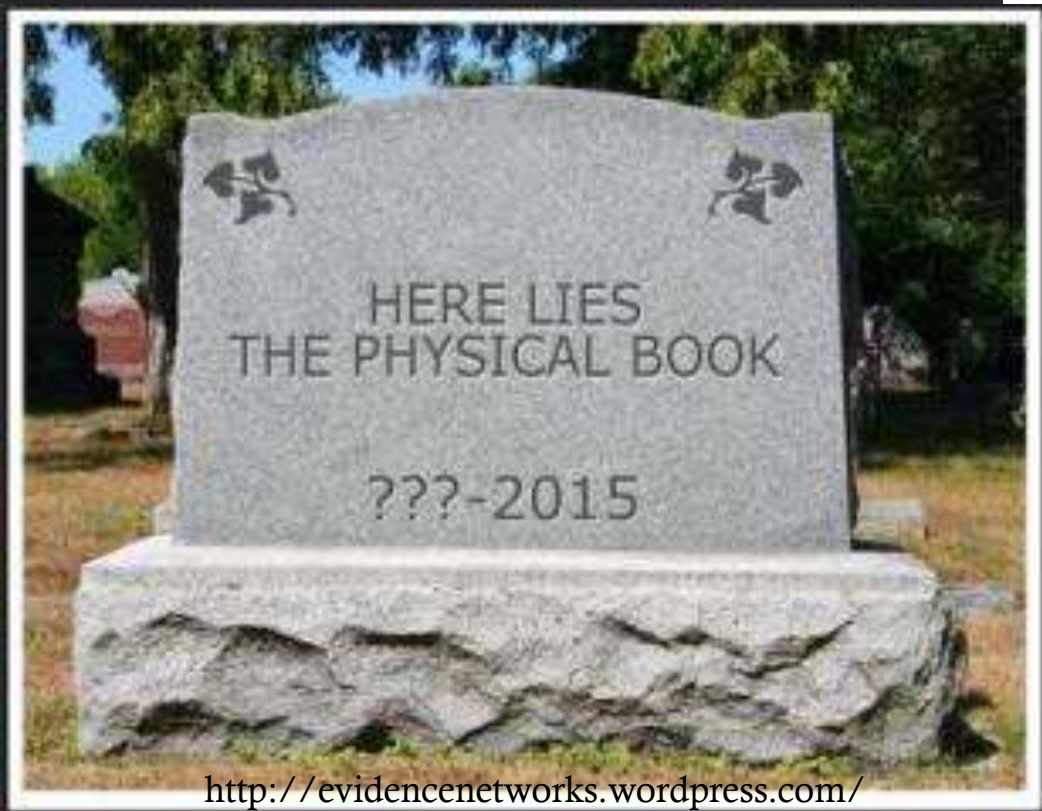


<http://revolutionarypeoplefromtherenaissance.weebly.com/johannes-gutenberg.html>



# E-Books

<http://www.saskatoonlibrary.ca/node/1325>



<http://evidencenetworks.wordpress.com/>

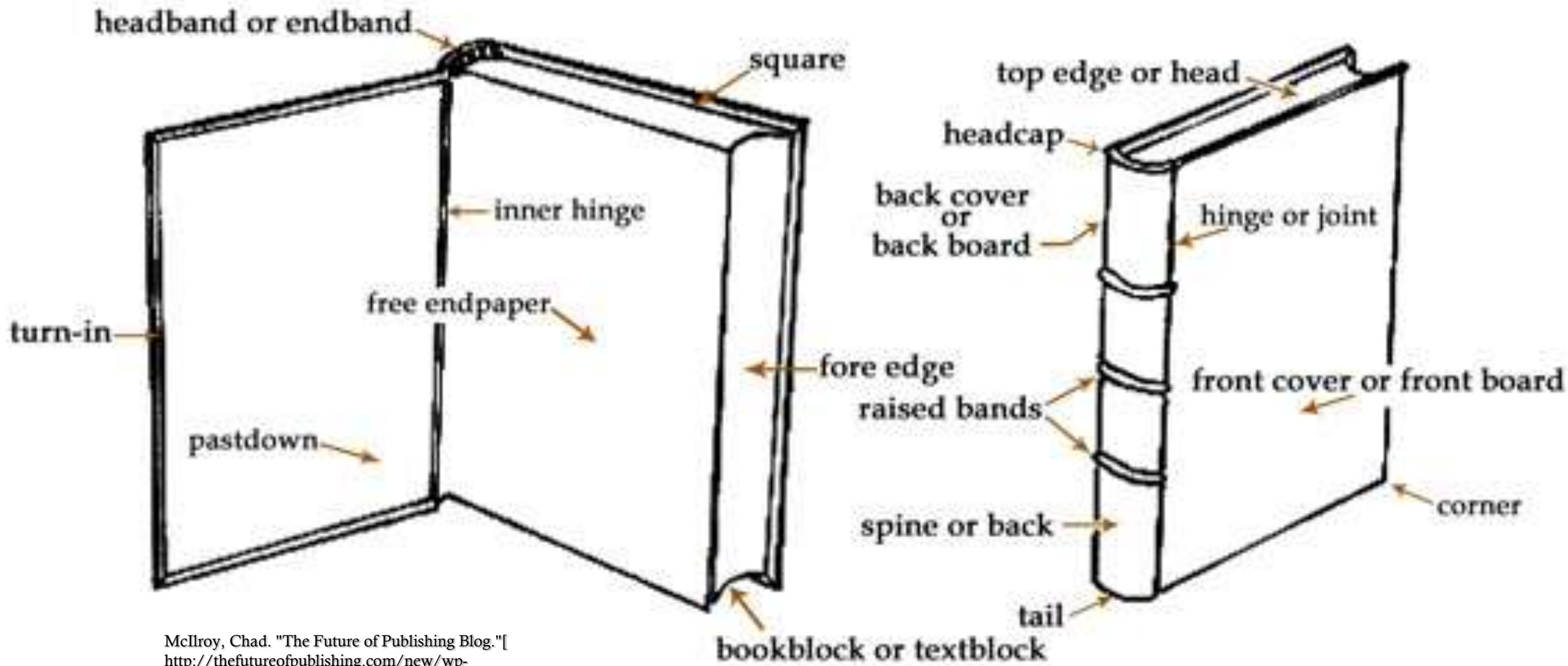


# Parts of the Book

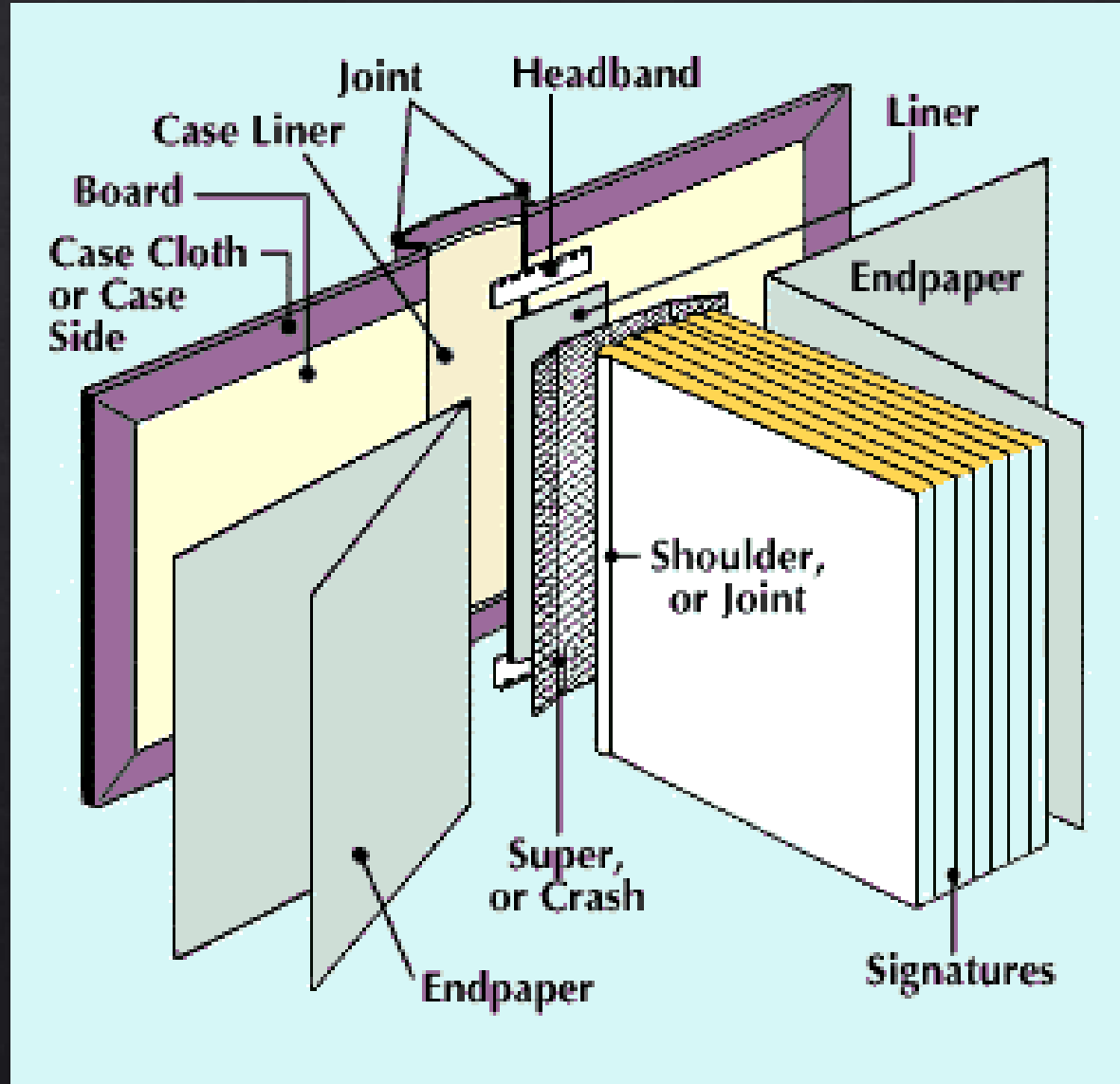
Using Proper Terminology



# Parts of a Book



# Parts of a Typical Case Binding





# Traditional Binding Styles



# Nag Hammadi Codex

[http://www.dotkrause.com/books/2006/source/nag\\_hammadi.html](http://www.dotkrause.com/books/2006/source/nag_hammadi.html)



<http://www.gsd.harvard.edu/#/loeblibrary/collections/conservation-lab/irina-gorstein.html>



# Coptic / Ethiopian Binding



<http://www.bexxcaswell.com/HistoricModels.html>



<http://nuntiablog.blogspot.ca/2012/02/next-week-we-leap.html>

# Byzantine/Syriac Binding



<http://micaherwin.wordpress.com/2010/02/>



<http://www.patmosworkshop.com/workshop-2010/>



# Mamluk Binding



<http://almashriq.hiof.no/ddc/projects/jafet/manuscripts/MS172.2/index.html>



[http://www.metmuseum.org/toah/hd/vmos/hd\\_vmos.htm](http://www.metmuseum.org/toah/hd/vmos/hd_vmos.htm)



# Medieval/Gothic Binding



**Model of a German binding, 16th century AD**  
Handmade paper text block sewn double-flexible  
Wooden boards with spine of alum tawed goat  
Braided leather closures with brass hardware



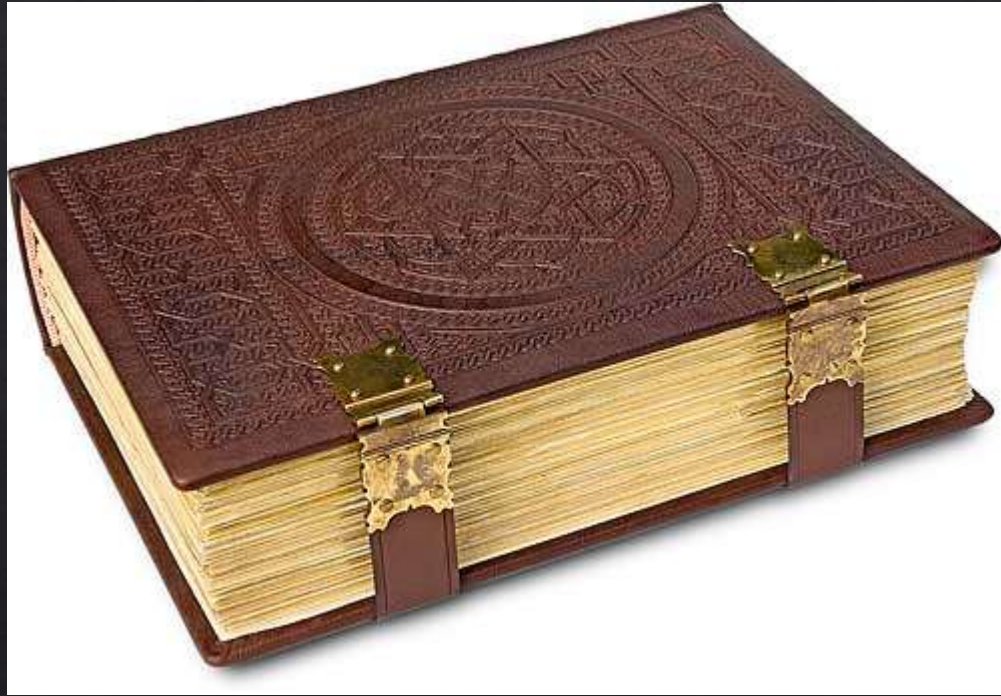
<http://www.bexxcaswell.com/HistoricModels.html>



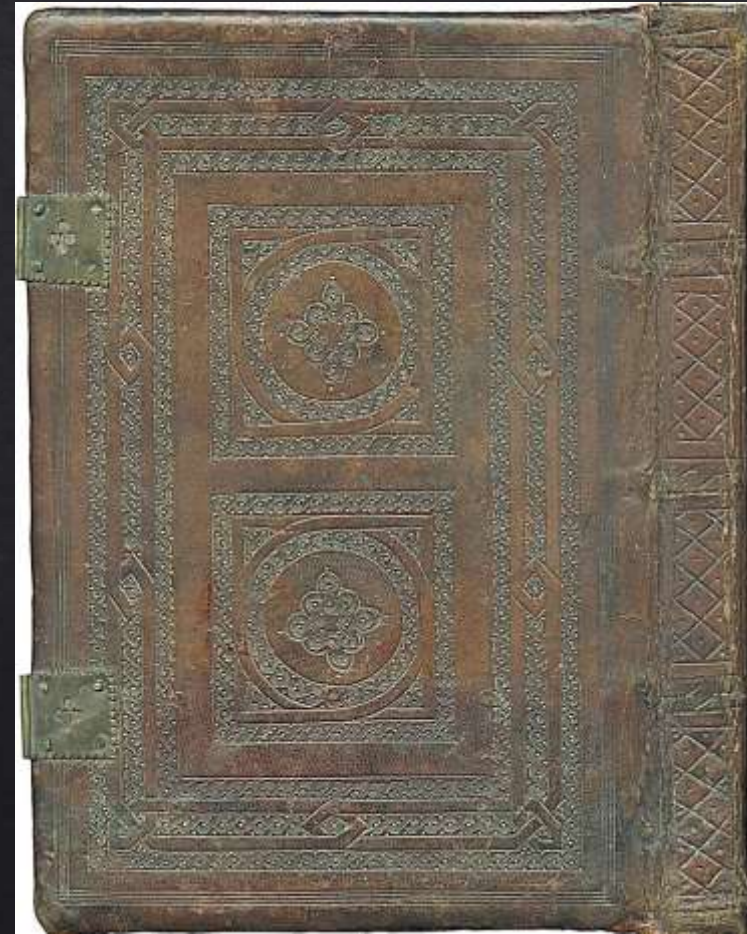
<http://www.schoyencollection.com/liturgy.html>



# Mudejar Binding (Iberian Peninsula)



<http://www.facsimile-editions.com/en/ab/>



<http://www.schoyencollection.com/literatureGreek.html>

# Long-Stitch Binding



<http://www.pinterest.com/pin/141793088237805706/>



<http://www.craftster.org/forum/index.php?topic=287962.0#axzz2uPebttko>



# Limp-vellum Binding



<http://www.clarksonconservation.com/profile/page/2/>

<http://sangeministudies.info/blog/5288>

# Cambridge Panel



<http://wieringbooks.com/bindersticket/?p=430>

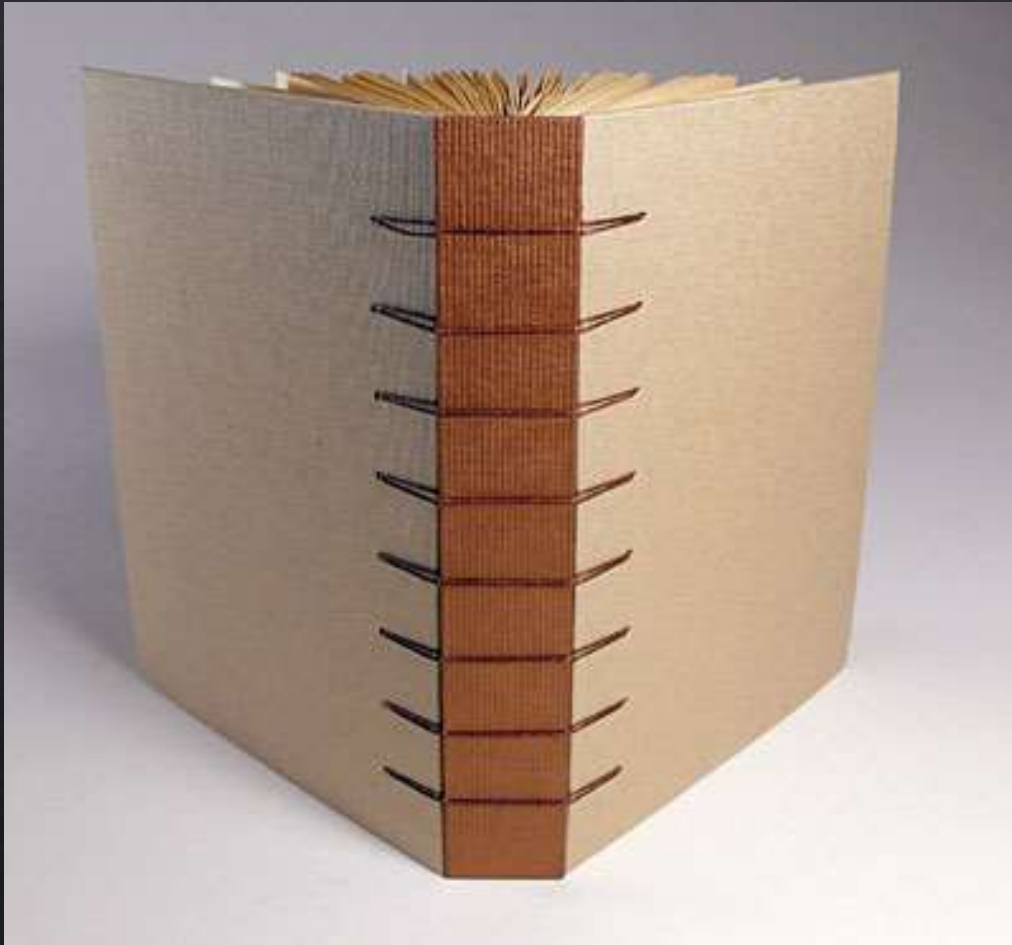
<http://henryhebert.wordpress.com/2012/11/24/18th-century-trade-binding/>



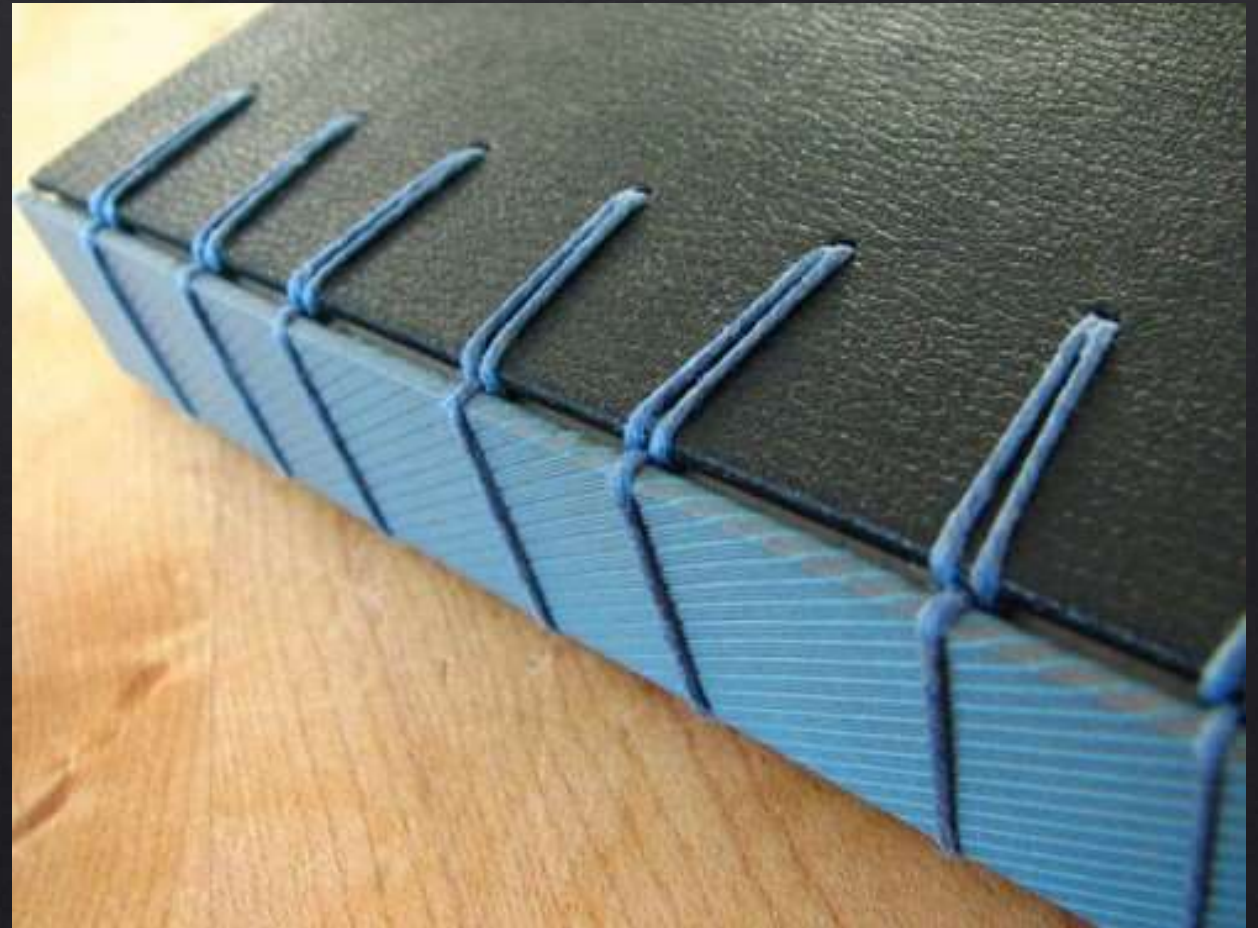
# Japanese/Chinese Stab-Stitch



# Secret-Belgian Binding

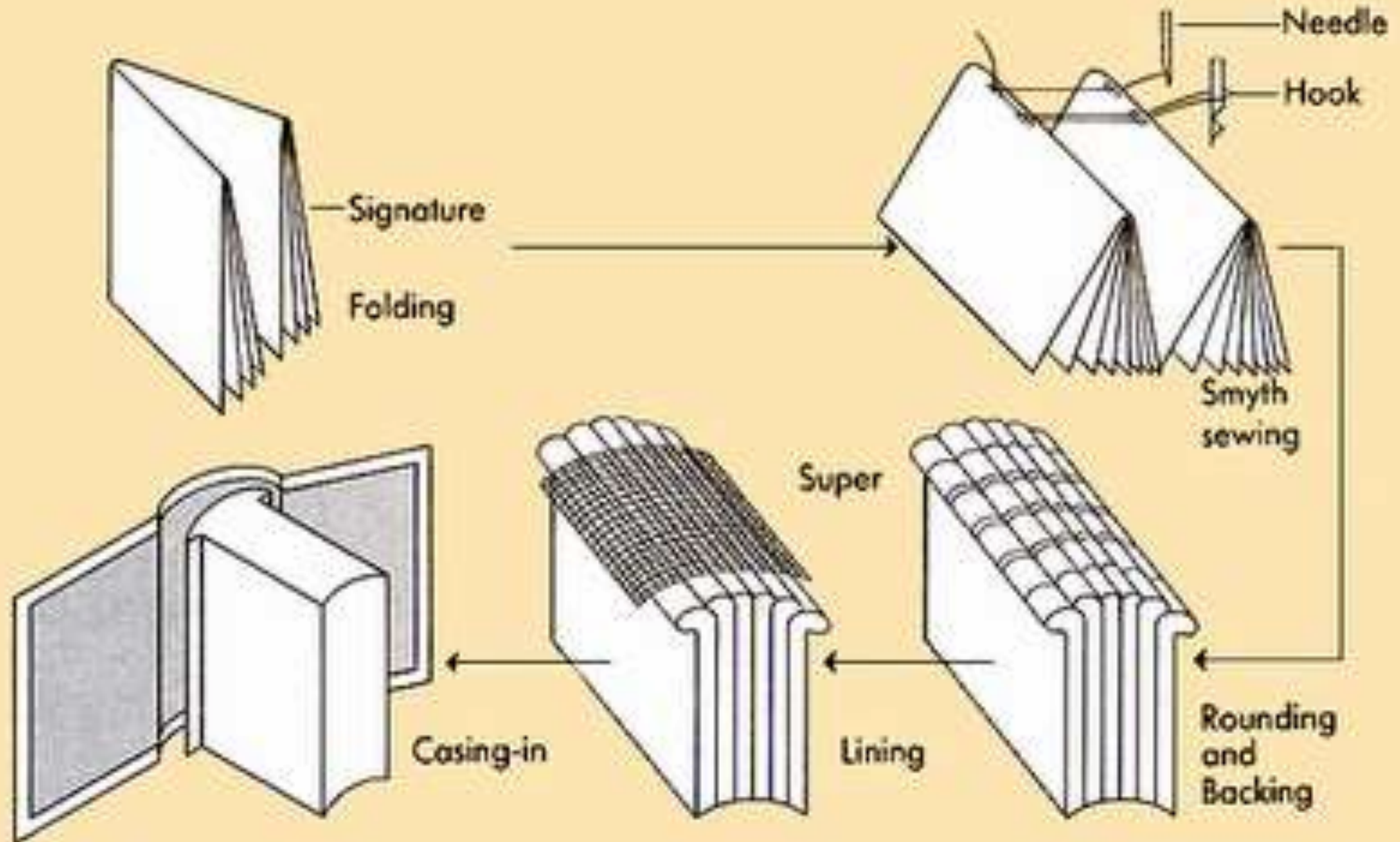


<http://cailun.info/archives/319-Secret-Belgian-Binding.html>



<http://emilyduong.com/blog/a-visual-reference-bookbinding>



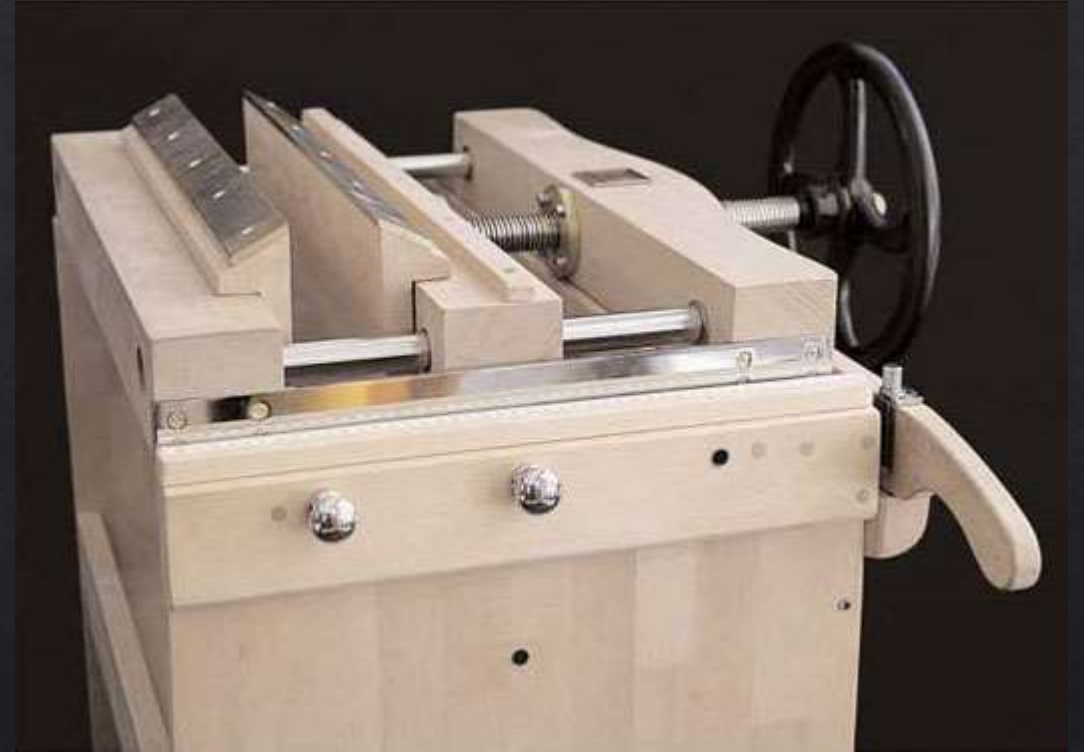


# Bookbinding Tools & Materials

The Bookbinders Survival Kit



# Machinery (plough, book press, backing press)



# Tools

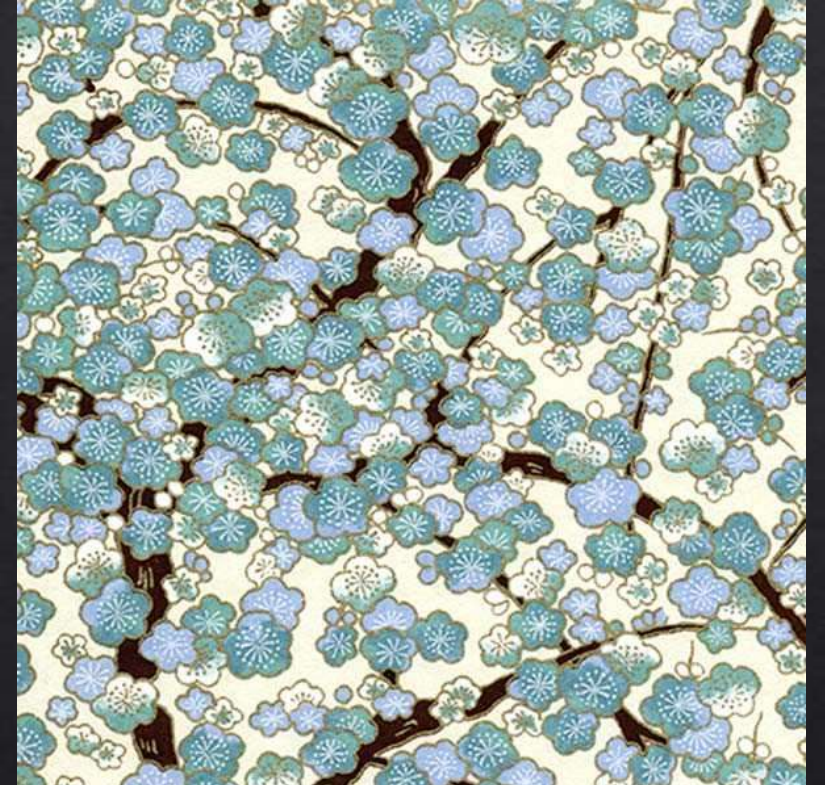
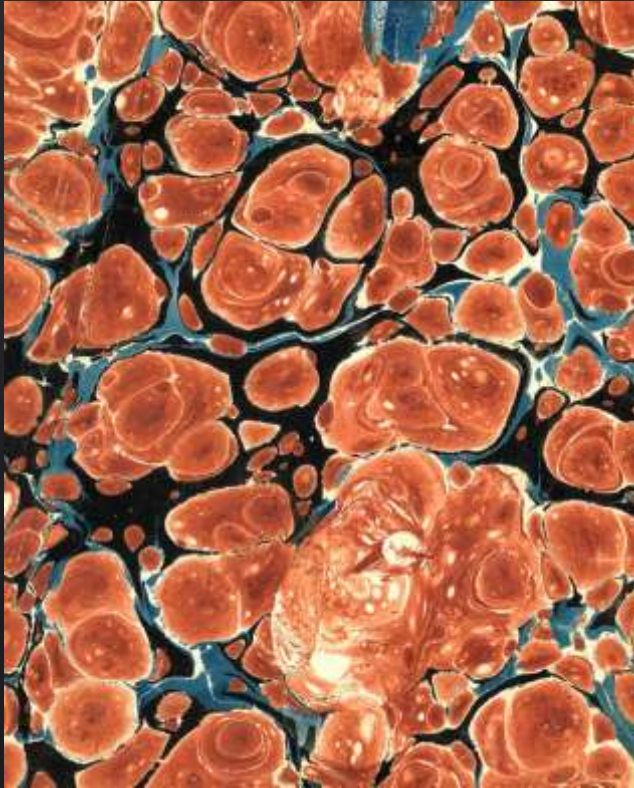
- ◇ Knives
- ◇ Saws
- ◇ Rasps/sandpaper
- ◇ Dividers
- ◇ Awls
- ◇ Scissors
- ◇ Rulers/straight edges
- ◇ Bone folders/ Teflon folders
- ◇ Hammer
- ◇ Weights
- ◇ Sewing needles
- ◇ Brushes
- ◇ Finishing tools





# Materials

- ◇ Paper for textblock
- ◇ Thread and cord for sewing
- ◇ Linen/silk threads for endbands
- ◇ Covering papers
- ◇ Endpapers
- ◇ Leather / Cloth
- ◇ Binding boards / Wooden boards
- ◇ Paste
- ◇ Waste paper
- ◇ Blotting paper
- ◇ Ribbons
- ◇ Metal/bronze pieces
- ◇ Gold leaf
- ◇ Ink



So you want to learn more?

Where to find out more information about bookbinding and courses



# Courses & Programs in Bookbinding

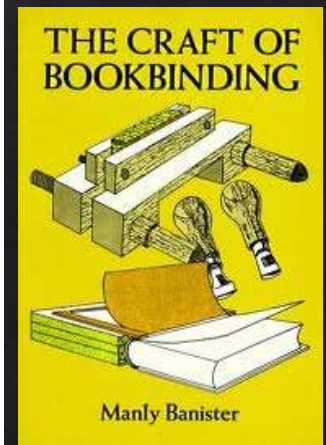
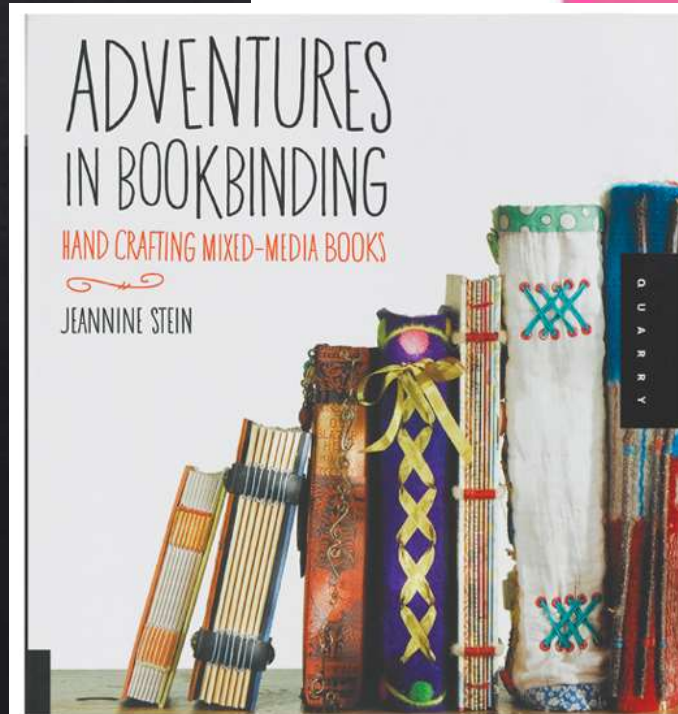
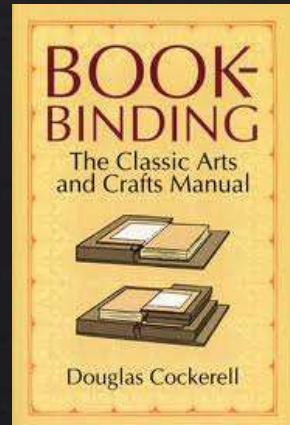
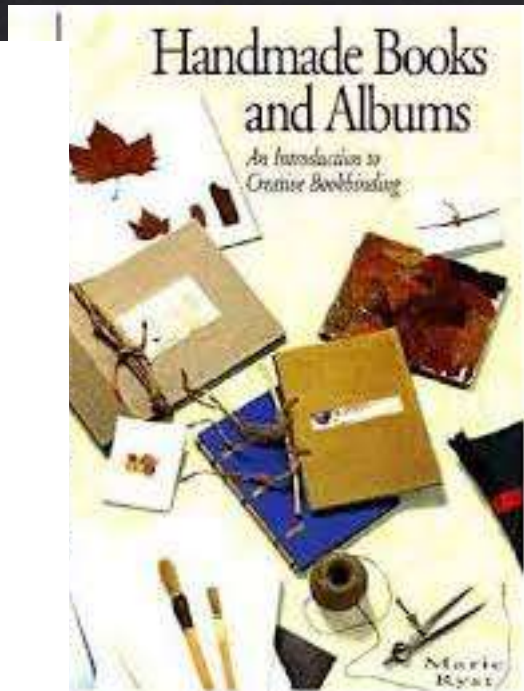
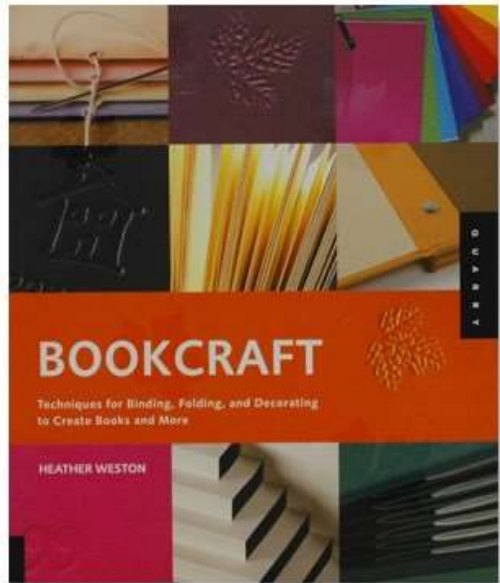
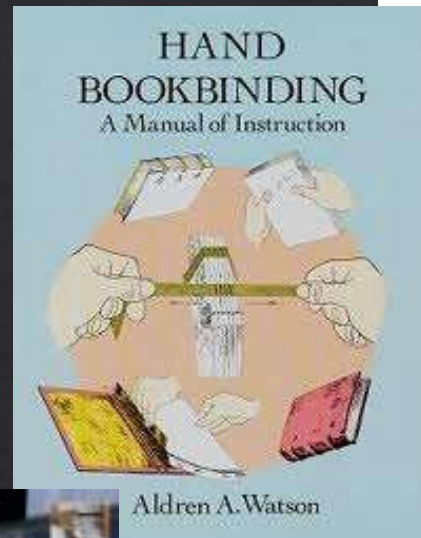
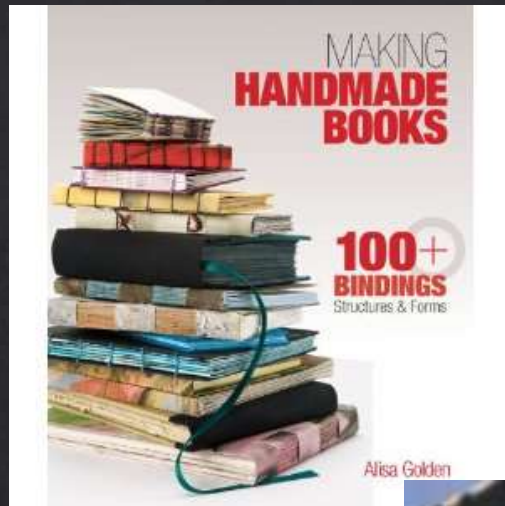
- ◇ Canadian Bookbinders and Book Arts Guild (CBBAG) – In-class workshops and self-directed study <http://www.cbbag.ca/workshp.html>
- ◇ American Academy of Bookbinding Courses in Telluride, Colorado <http://bookbindingacademy.org/>
- ◇ Montefiascone Conservation Project in Montefiascone, Italy <http://monteproject.co.uk/en/study-programme/>
- ◇ University of Alabama MFA Book Arts (SLIS) <http://www.bookarts.ua.edu/>
- ◇ North Bennet Street School Program and Workshops in Bookbinding <http://www.nbss.edu/education/programs/bookbinding/index.aspx>
- ◇ San Gemini International Institute for Restoration and Preservation Studies – Book Bindings Restoration <http://sangeministudies.info/program-c-book-bindings-restoration>
- ◇ London Centre for Book Arts Workshops <http://www.eventbrite.co.uk/o/london-centre-for-book-arts-2714163072>
- ◇ Book Arts Web List of Other Courses and Programs <http://www.philobiblon.com/programs.shtml>

# Courses & Programs in Rare Books

- ◆ Rare Books School (RBS) at the University of Virginia <http://www.rarebookschool.org/>
- ◆ University of London MA History of the Book <http://www.ies.sas.ac.uk/study-training/masters-courses/history-book/history-book-ma>
- ◆ London Rare Books School Workshops <http://www.ies.sas.ac.uk/study-training/research-training-summer-schools/london-rare-books-school/programme-2014>
- ◆ Midwest Book and Manuscript Studies at the iSchool of Illinois <http://www.lis.illinois.edu/academics/degrees/mbms>
- ◆ California Rare Book School (CalRBS) <http://www.calrbs.org/>
- ◆ Australasian Rare Book School in Dunedin, New Zealand <http://www.otago.ac.nz/englishlinguistics/english/drbs/>
- ◆ Book History Workshop – Institut d’Histoire du Livre – Lyon, France <http://ihl.enssib.fr/en/book-history-workshop>



# BOOKS ON BOOKS!!!!







# Practical Exercise

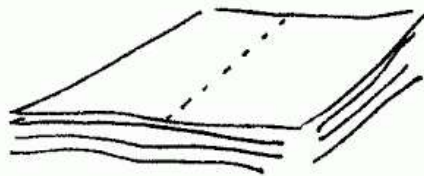
Sewing a Simple 3-hole stitch pamphlet



# Why Sew a Pamphlet?

- ◆ Sewing pamphlets and signatures is the fundamental part of bookbinding. Once you master that, you can begin to branch out and make case bindings and then more complex bindings

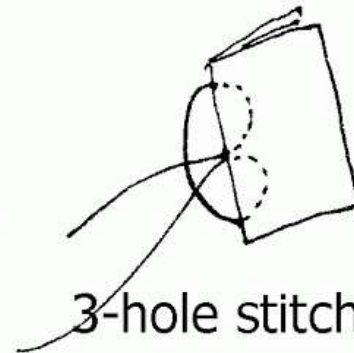
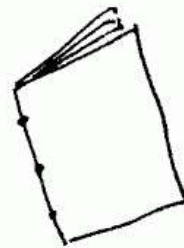
Text Pages



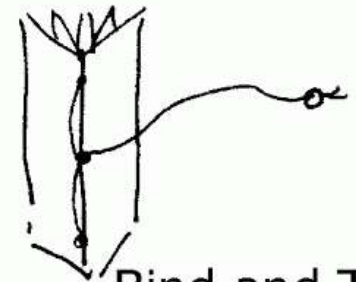
Cover Page



Stacked Folios



3-hole stitch



Bind and Tie

# References

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