| **c?** | **Classification Directory Name** | **Kbd1**  **lett** | **3**  **lett**  **ers** | **Any Mnemonic Explanation** | **Shows Up As** |
| --- | --- | --- | --- | --- | --- |
| c1 | Outside\_Cover\_Reuse | O | orc | Don't want to confuse optical character recognition, so outside reuse  cover | Outside cover reuse |
| c2 | Under\_Cover\_Reuse | R | ucr | Initialism | undeR coveR  Reuse |
| c3 | Spine\_Protection\_Reuse | P | spr | Initialism | sPine Protection reuse |
| c4 | Front-back\_Matter\_Reuse | F | fmr | front matter reuse | Front-back matter reuse |
| ~~c5~~ | ~~One\_Behind\_Reuse~~ | *~~H~~* | ~~obr~~ | ~~Initialism~~ | TRYING WITHOUT THIS FOR FHTW 2025 ~~one beHind reuse~~ |
| c6 | Cover\_Wraparound\_Reuse | W | cwa | cover wraparound | cover  Wraparound reuse |
| c7 | Tiny\_Background\_Reuse | T | tbr | Initialism |  |
| c8 | Connecting\_or\_Guard\_Reuse | C | scg | small connecting or guard | Connecting or guard reuse |
| c9 | Across\_Book\_Gutter\_Reuse (Note this includes across-book-gutter OIC; dir name to change after project) | G | abg | across book gutter | across book Gutter reuse |
| c10 | Wrapper\_Reuse | 4 | wpr | wrapper | wrapper reuse (4) |
| %c11 | Not\_In\_Situ\_Reuse\_Cover | V | nsc | not in situ reuse cover | %%%% TO %%%% |
| %c12 | Not\_In\_Situ\_Reuse\_Front-back | A | nsf | not in situ reuse front-back | %%%% BE %%%% |
| %c13 | Not\_In\_Situ\_Reuse\_Spine\_Protection | 9 | nsp | not in situ reuse (s)pine | %%% COMB- %% |
| %c14 | Not\_In\_Situ\_Reuse\_Small\_Connecting\_Guard | 7 | nst | not in situ reuse connecting like (s)trap; 7 in like a backwards gamma -> G sound -> Guard | %%% INED %%% |
| c15 | General\_Not\_In\_Situ\_Reuse | Y | gni | general not in situ reuse; Y as in whY are these so difficult? |  |
| ... | ... | ... | ... | Perhaps more, one day | ... |
| c101 | Multiple\_Classes | = | mcl | multiple classes | multiple classes (=) |
| c102 | Multiple\_Binding\_Reuse\_Classes | B | mbr | multiple binding  reuse | multiple Binding reuse classes |
| c103 | Multiple\_Mixed\_But\_All\_Not\_Binding | X | mmx | multiple mixed (the x can help you think of not binding; the word, binding, x-ed out) | multiple miXed but all not binding |
| ... | ... | ... | ... | Maybe multiple more, but idk. | ... |
| … | … | … | … | … | … |
| c111 | Fake\_Out | K | fko | fake-out | faKe-out |
| c112 | Important\_as\_Counter\_Example (could also be called … as contrast, often, has a structure that would be a class, but no information of the surface) | Z | iac |  |  |
| … | … | … | … | … | … |
| c121 | No\_For\_Binding\_Reuse | 0 | nbr | no for-binding reuse | n0 for binding reuse (0) |
| c122 | No\_Binding\_Reuse\_but\_Other\_Interesting\_Classes | - | oic | other interesting  *c*lasses | other interesting classes (-) |
| c123 | Nothing\_Interesting | N | noi | nothing of interest | NothiNg iNterestiNg |
| c124 | Do\_Not\_Use | D | dnu | Initialism | Do not use |
| c125 | Unsure | U |  | no addition is given, so that when someone else checks the image, they can classify it however is needed | UnsUre |
| ... | ... | ... | ... | Likely not many (or none) after this. | ... |

Notes: Contains only the classes used for the fragments-in-bindings study for the Family History Technology Workshop in 2025. At the moment, I'm leaving the 'one beHind reuse' class out of the FHTW 2025 parameter file, though that might change.

Other classes to be used later in Manuscript Studies things

Possible number/Dir Name | three-letters

c50 / Stitching\_Any\_Type | stc  
Should later be moved into one of the following |

c51 / Stitching\_Level\_1 | st1  
(parchment maker, basic repairs with twine, |  
 no-longer-there veil stitch holes, |  
… anything else I think of) |

c52 / Stitching\_Level\_2 | st2  
 (beyond basic twine, hole stitch, not embroidery, |  
 baseball stitch, green Vs, |  
 … other things maybe) |

c53 / Stitching\_Level\_3\_Embroidery\_etc | st3  
 (Embroidery, in-place veils, other fancy, |  
 … and blah and blah and blah) |

c54 / Manicule | man

c55 / Non\_Manicule\_Nota\_Bene | nmn

c56 / Fingerprint | fgp  
 (Has to have loops/whirls, or at least visual |  
 separation between the grooves |  
 … any other details) |

c57 / Hair\_on\_parchment | hop  
 (Meaning animal hair, like in the holes of the |  
 parchment, or even still looking like fur/wool |  
 on a used page) |

c58 / Very\_Visible\_Watermark | vvw

c59 / Not\_For\_Binding\_Reuse | nfb

c60 / Iron\_Gall\_or\_other\_Corrosion\_Thru | igt

c61 / Squished\_Bug\_Remains | sbr

Still thinking about

Portrait of Scribe

Portrait of Illustrator/Illuminator

Portrait of Parchment Maker

Portrait of Reader

Portrait of Binder

Portrait of Paper Maker (different ones, here)

Portrait of Printer

Line Drawing

Kinds of Clothes

Missing Initial/Illumination (Marked or Unmarked)

Parchment Animal Veins

Pop-ups, rotating thingies (there’s a technical term), etc.

Non-Commentary Marginal Notes

(Not quite same project, I think) abbreviations (let’s get completeness)

NSFW (some of those are pretty bawdry)

Hole Which Had Initial or Image Removed

Bookmarks – either the ones with string that can rotate or the ones sewn on edges

Difficult (?) Anything Left Inadvertently (Lost)

A Wolf Preaching to Sheep (I wanted to find this, once, but couldn’t find it)

Crucifixion Scene

Some study of bookworm, rat, etc. holes

Monk/scribe food in codex

Unique stuff not strained out of paper

Pressed flowers

Anything related to the pope being crossed out (supposedly common in English books around 1570+, but I haven’t found one, yet, as of 2025-05-06).

Crumpled pages put back in (Marks of frustration)

Other levels of iron gall (and other) corrosion from that one description. Need expert.

Palimpsests. Need expert.

Hiding defects with illustrations or creative text things.

OTHER IDEAS

Microfilm damage, Duct tape, Human hand (gloved, fuzzy-gloved {Bigfoot}, watch, ring), Page being turned (shutter open for too long and/or page turned too fast at wrong time, Roman numerals (different forms), Hindu / Arabic Numerals (early vs. late), Greek Numerals, Russian Numerals, etc. Charters in decorative MSS. Candle wax drops (definitely need expert). Drool from sleeping (definitely need expert). Hints of reuse that could be imaged with Macro X-ray fluorescence (MA-XRF) Multi-Spectral Imaging (MSI), other penetrative imaging – giving them some good ones to try on, whether the hints be small groups of ink-colored pixels in the structure of text OR some hint in the structure of the binding that is more likely to have possible-to-find-with-penetrative-imaging reuse (*definitely* need expert, even for some ground truth).

[Write others to put in these documents later]

Things to find for contrastive examples (named as ‘Important\_as\_Counter\_Example’, because I couldn’t come up with the word, contrastive, though I knew that the word, differentiating, was wrong, when I was editing the classifier.param file). I think that quite a few of these will involve languages/scripts. I know I found some first pages with Latin where the reuse-as-paste-down was Greek, and such things will be good.

A mixed language-and-not example: I found some negative examples for binding reuse that have big Hebrew text and big film holes on the side; I don’t want the algorithm to think the large Hebrew characters or the big film holes are what characterize negative for binding reuse. Perhaps more importantly, I don’t want it to classify an instance of reuse that happens to be with large Hebrew text and/or big film holes as being non-reuse, just because no examples of positive-Hebrew-holes are in the dataset.

Big film holes visible.

Smaller images – find out usage for collections on reddit, Flickr (especially Yale’s), blogs, pholder, photographs from microfilm machine, phone pics of manuscripts (need to contact BYU’s, U of U’s libraries), pics of books with examples.

Scans of books with examples. Pics and scans of local library facsimiles.

[Write others to put in these documents later]

Possibly one-offs until later (usually things found discussed or imaged in books, sometimes found in images)

Early illustration showing shadow (need to figure out which audio-book)

Upside-down “brand” in after-Caxton-guy’s kid’s book from printing, now as reuse (need to find audio book)

Pop-up made out of reuse – find that one medical/anatomy book. Book is printed, pop-up is from MS

Interesting sociological/demographic, e.g. the lady’s Gilded (Manuscript) book talking about dark-skinned man.

[Write others to put in these documents later]