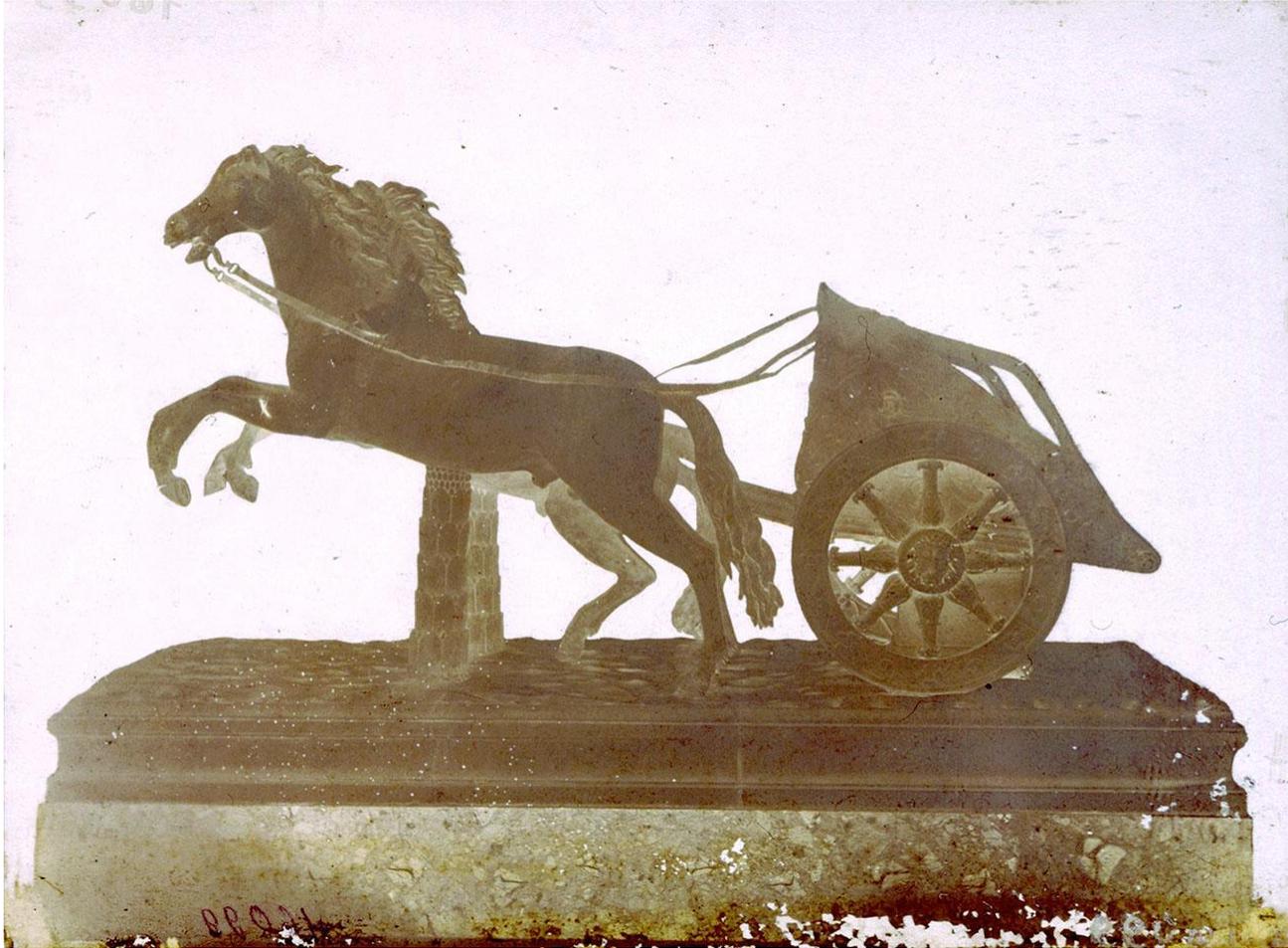


- History and Historic Photographic Technologies
- Archival Management and Preventive Conservation

Historical photographic techniques: description and identification. Wet-plate collodion, albumen silver print, non-silver print

Wet-plate collodion



Silver DOP

Process

- Wet plate collodion

Type

- Negative
- Positive Transparency

Image

- Silver

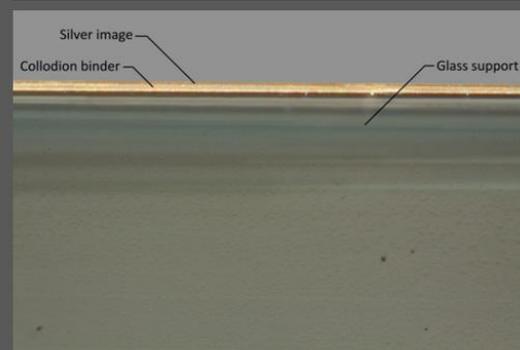
Supports

- Glass

Binder

- Collodion

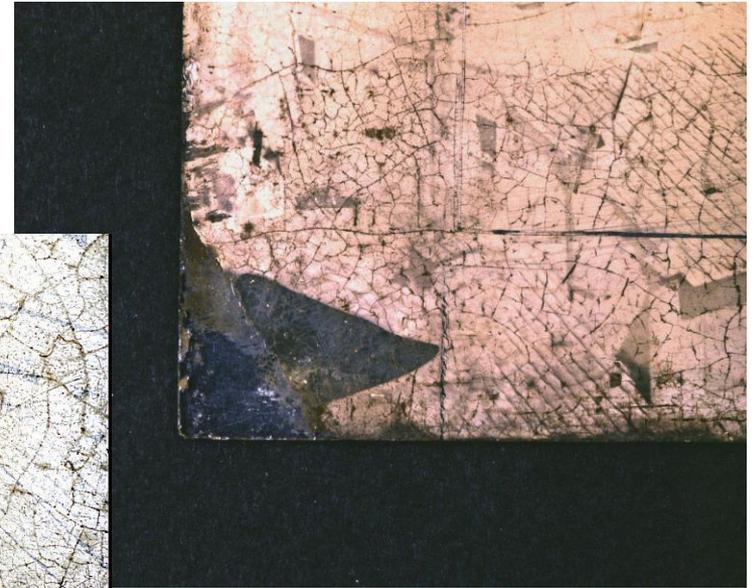
Wet Plate Collodion 1851-1885



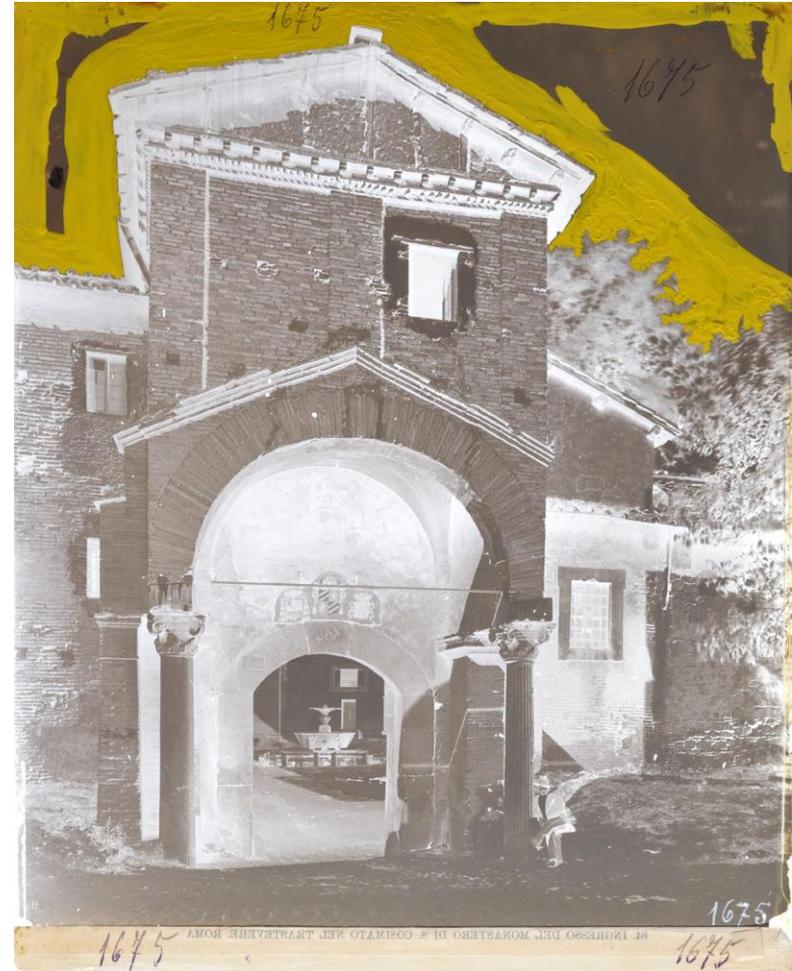
Historical photographic techniques: description and identification



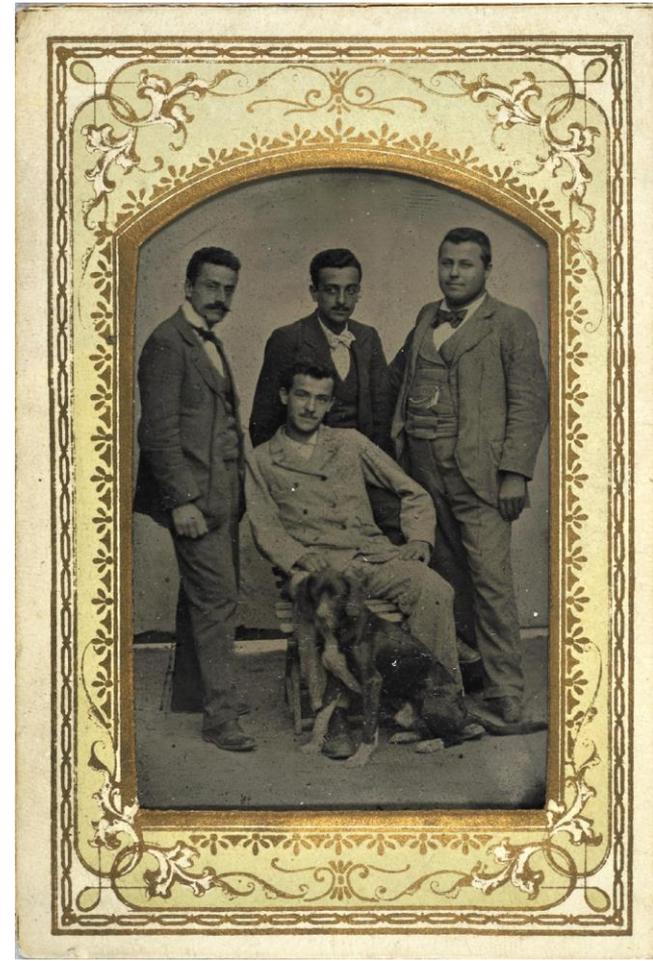
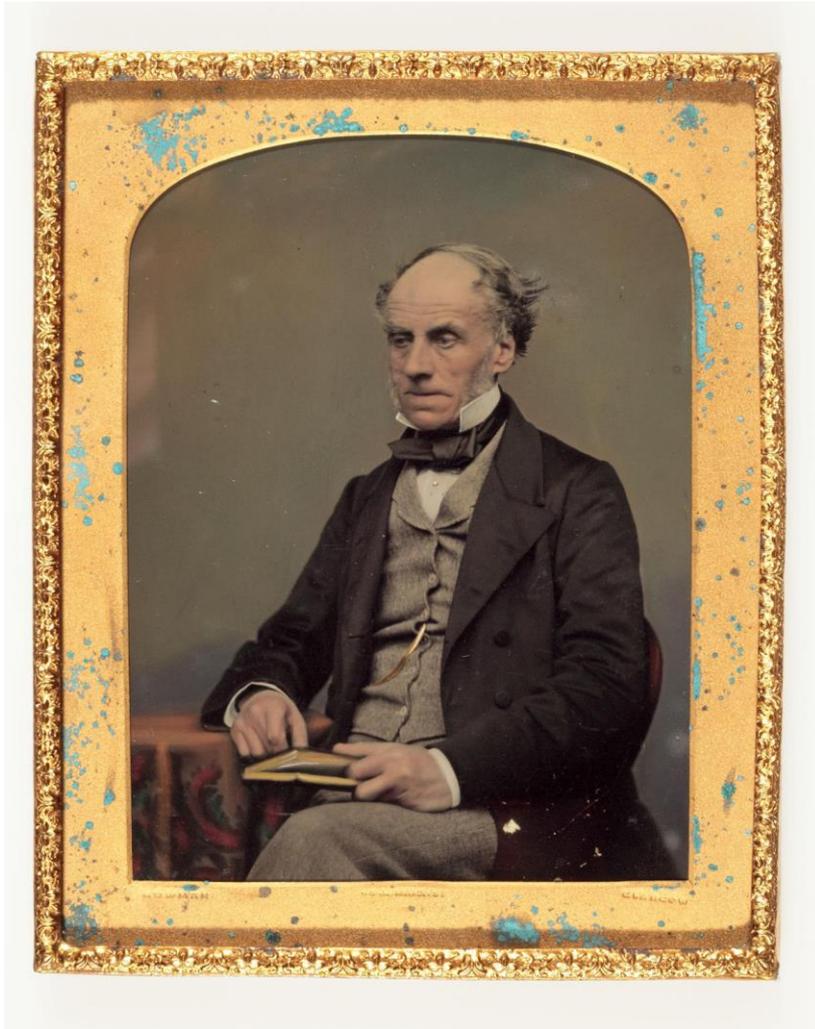
Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification





Albumen print



Silver POP

Two layers

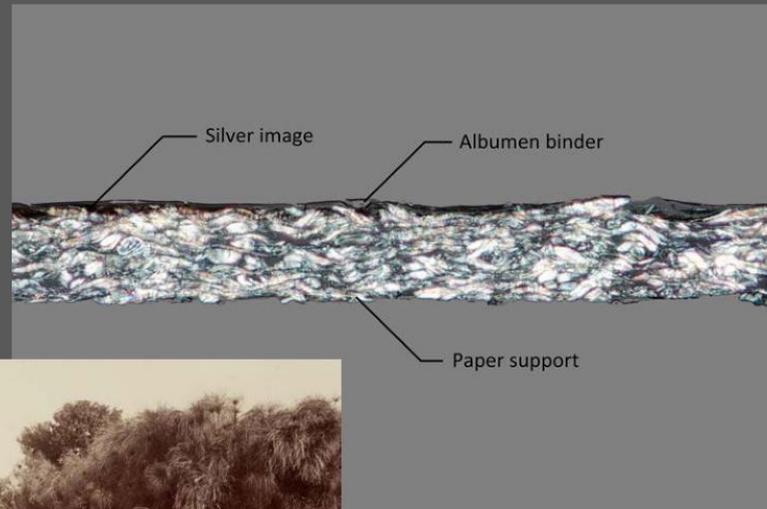


Image material suspended in a binder, binder coated onto paper support



Albumen print



Albumen

Characteristics:

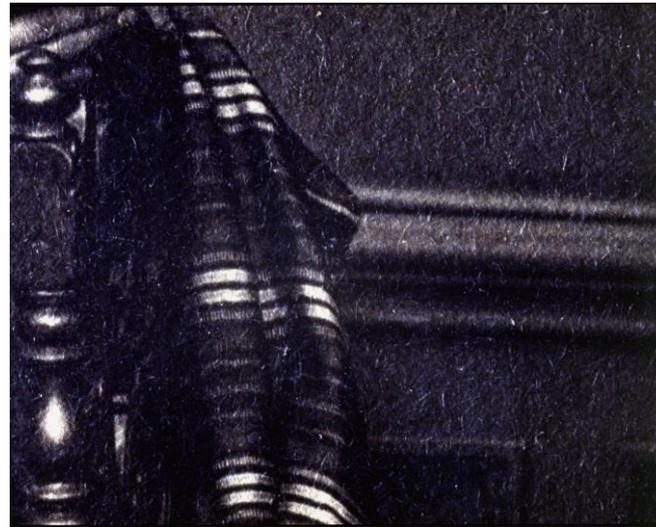
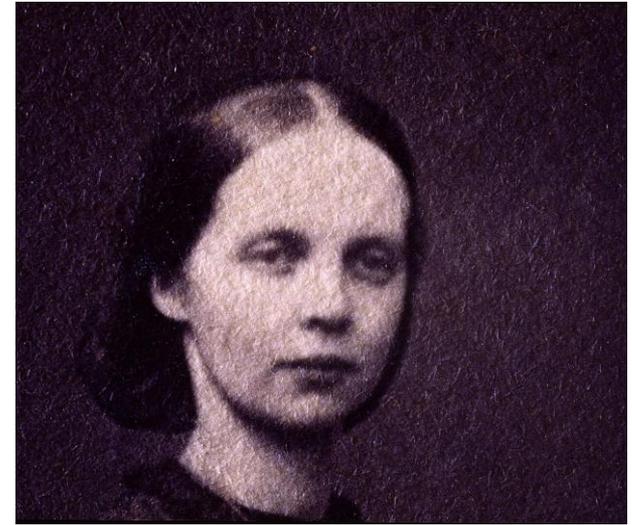
- Purple/red image tone
- Semi-matte or glossy surface sheen
- Continuous in tone
- Image above paper fibers in binder, paper fibers visible



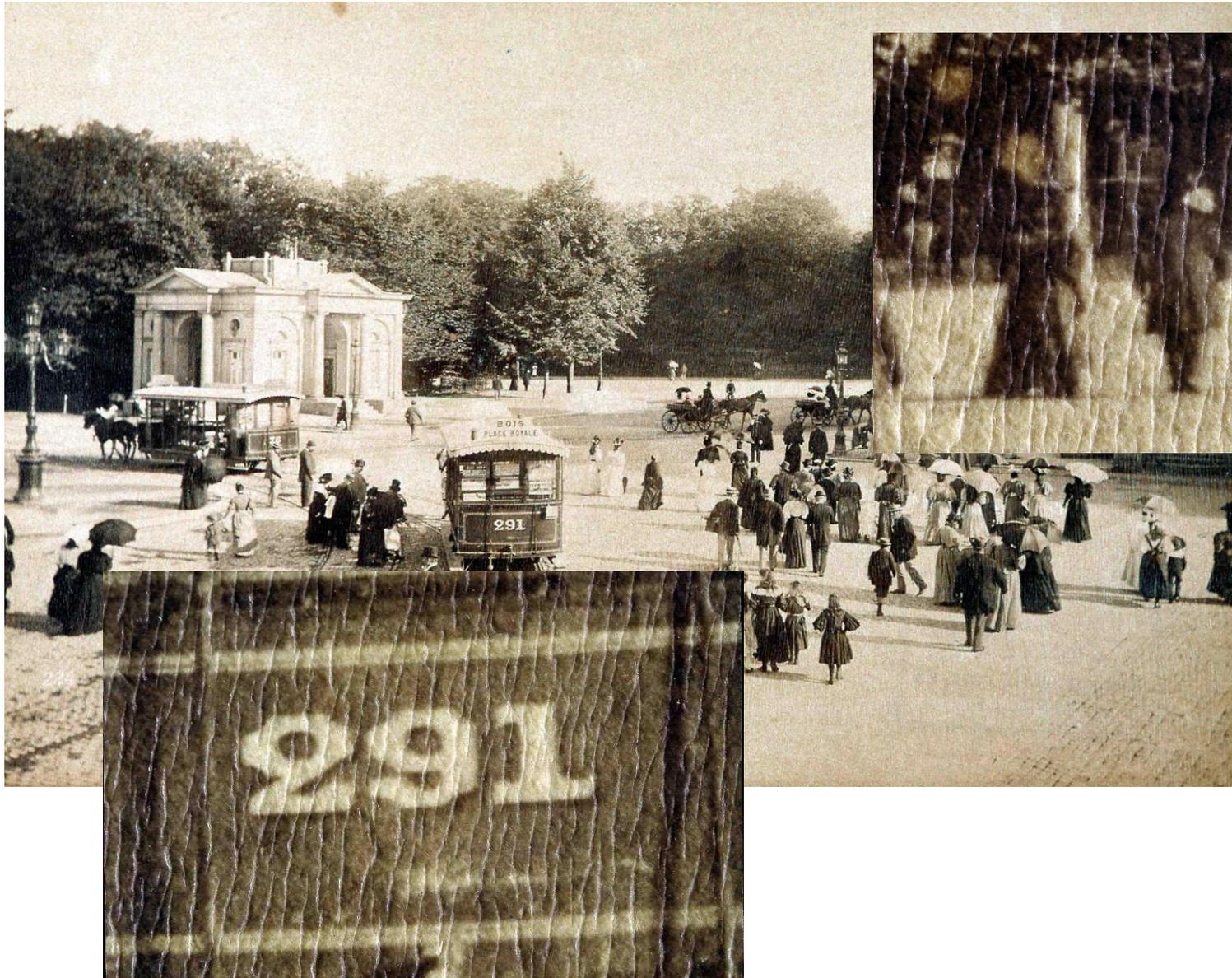
Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



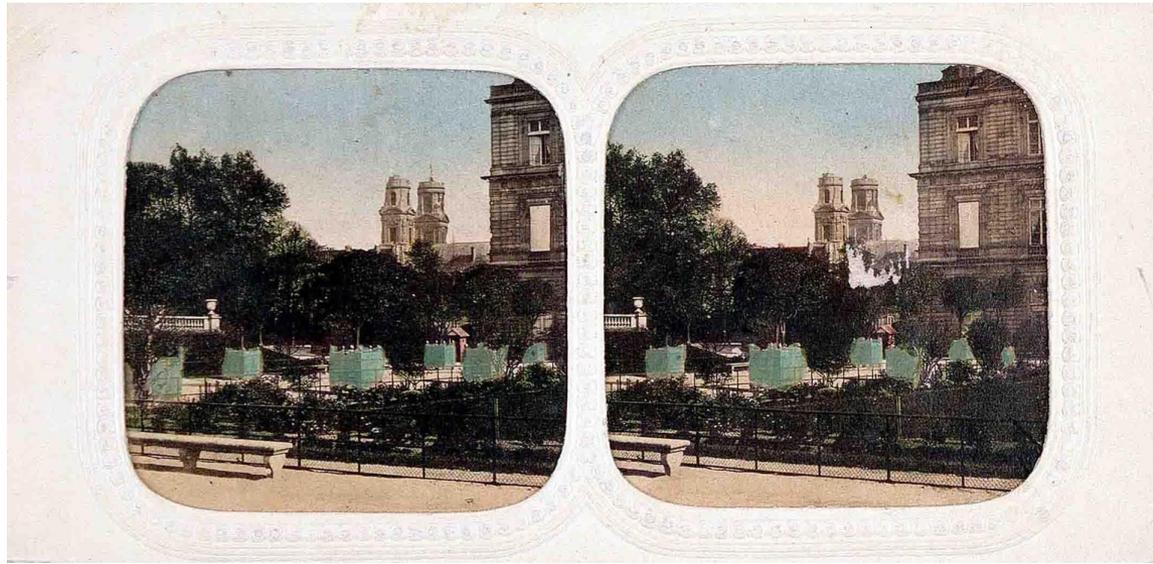
Historical photographic techniques: description and identification



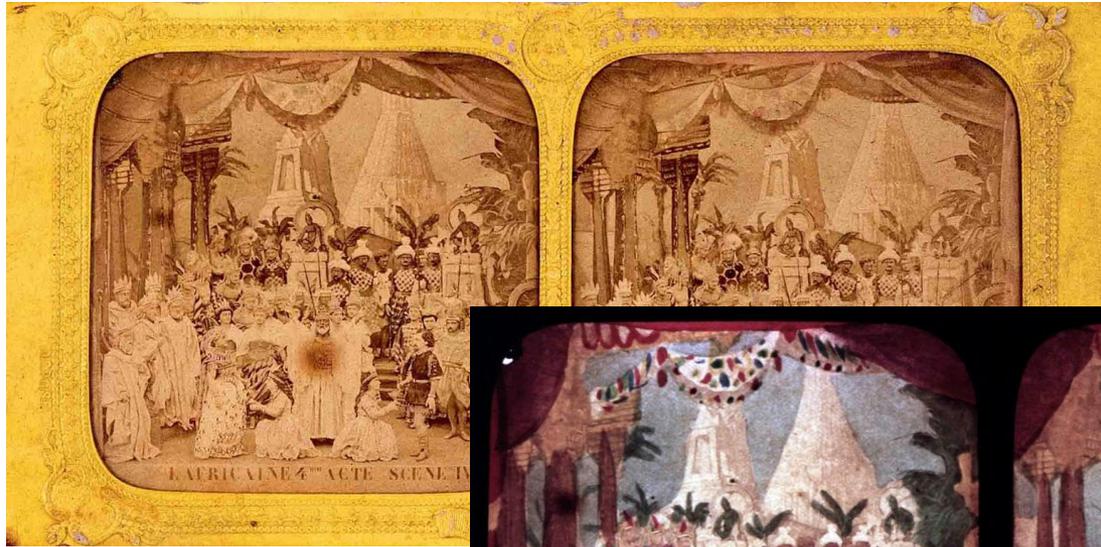
La gran campana a Mungora
si go Tomellate
Birmanie



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



Gelatin POP
Collodion POP
Matte collodion



Silver POP

Three layers

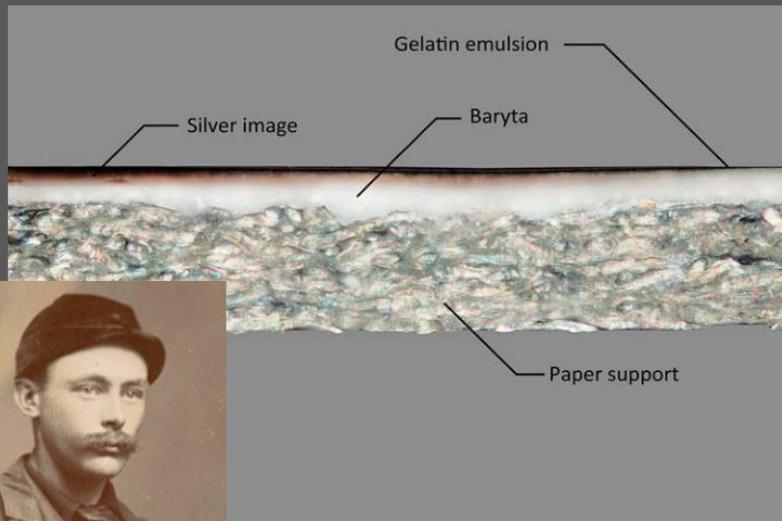


Image material suspended in a binder, binder coated onto baryta, baryta coated onto paper support



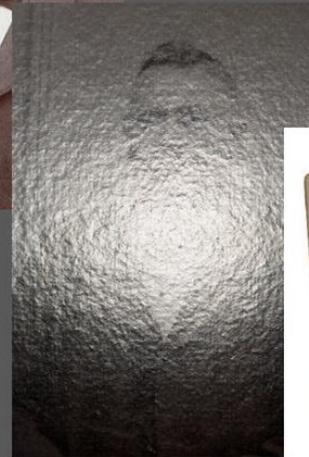
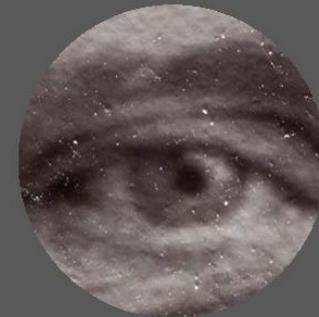
Gelatin POP



Collodion POP

Characteristics:

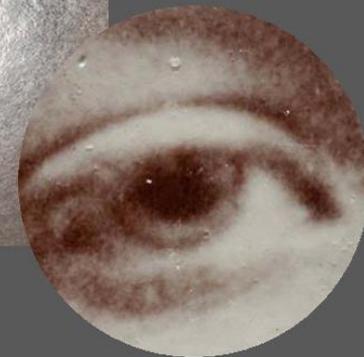
- Purple/red image tone
- Glossy surface sheen, iridescence (sometimes)
- Continuous in tone
- Image in binder, paper fibers obscured



Gelatin POP

Characteristics:

- Purple/red image tone
- Glossy surface sheen
- Continuous in tone
- Image in binder, paper fibers obscured



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification



Historical photographic techniques: description and identification

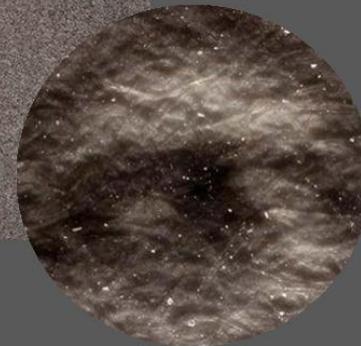
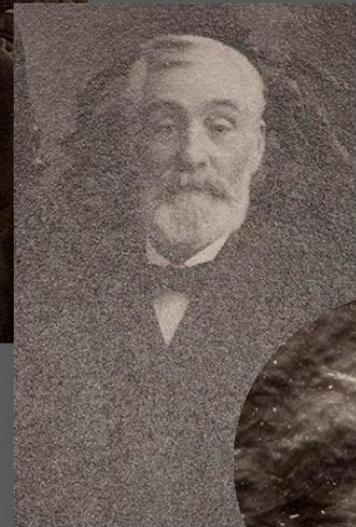
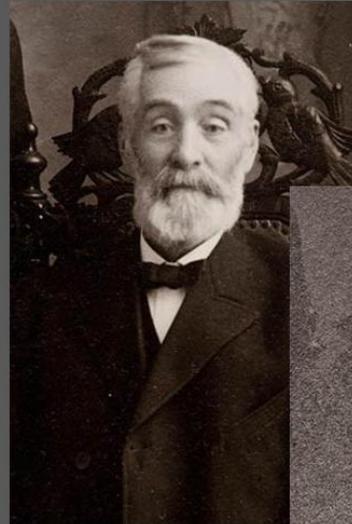




Matte Collodion

Characteristics:

- Purple/red; Brown; Black image tone
- Semi-matte surface sheen
- Continuous in tone
- Image above paper fibers in binder, paper fibers visible



Historical photographic techniques: description and identification



Carbon prints



Chromium

Process

- Carbon

Image Material

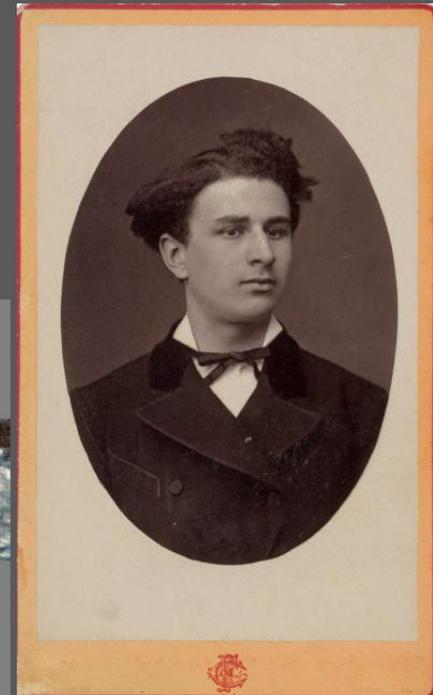
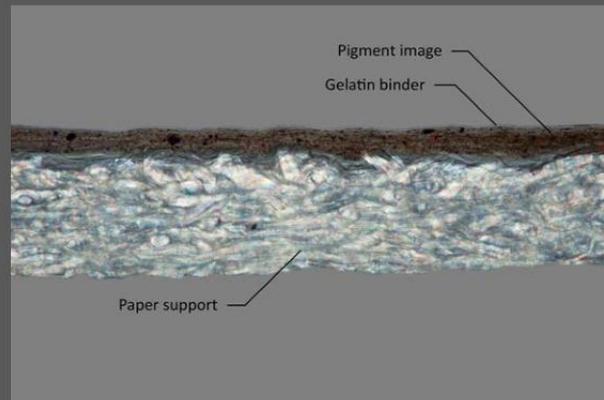
- Pigment

Binder

- Gelatin

Support

- Paper



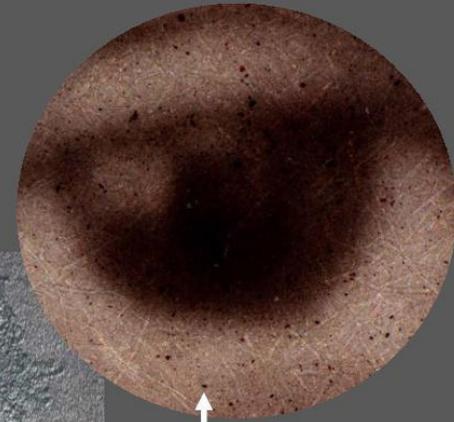
Chromium

Carbon Prints

- Differential Gloss
- Pigment particles (continuous in tone)



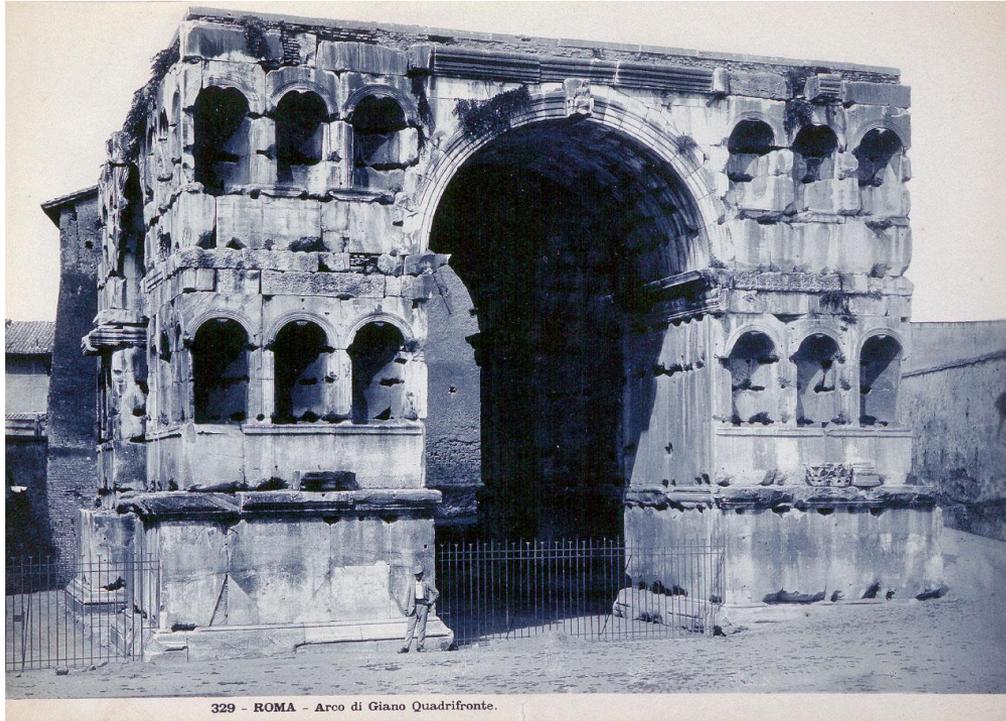
Carbon Print



Pigment particle



Historical photographic techniques: description and identification



329 - ROMA - Arco di Giano Quadrifronte.



Historical photographic techniques: description and identification



Cyanotype

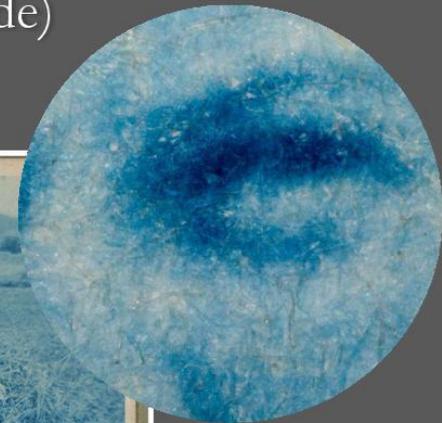
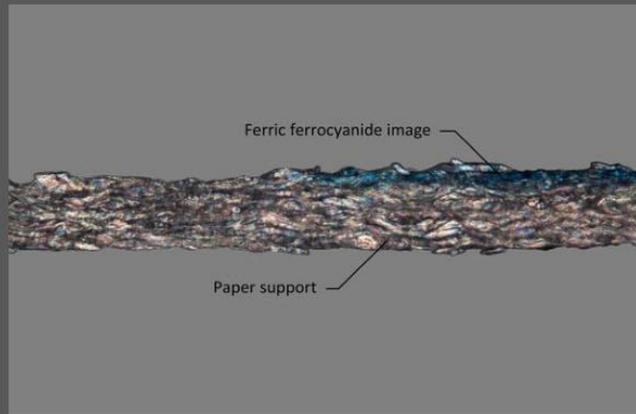


Iron

Process: cyanotype

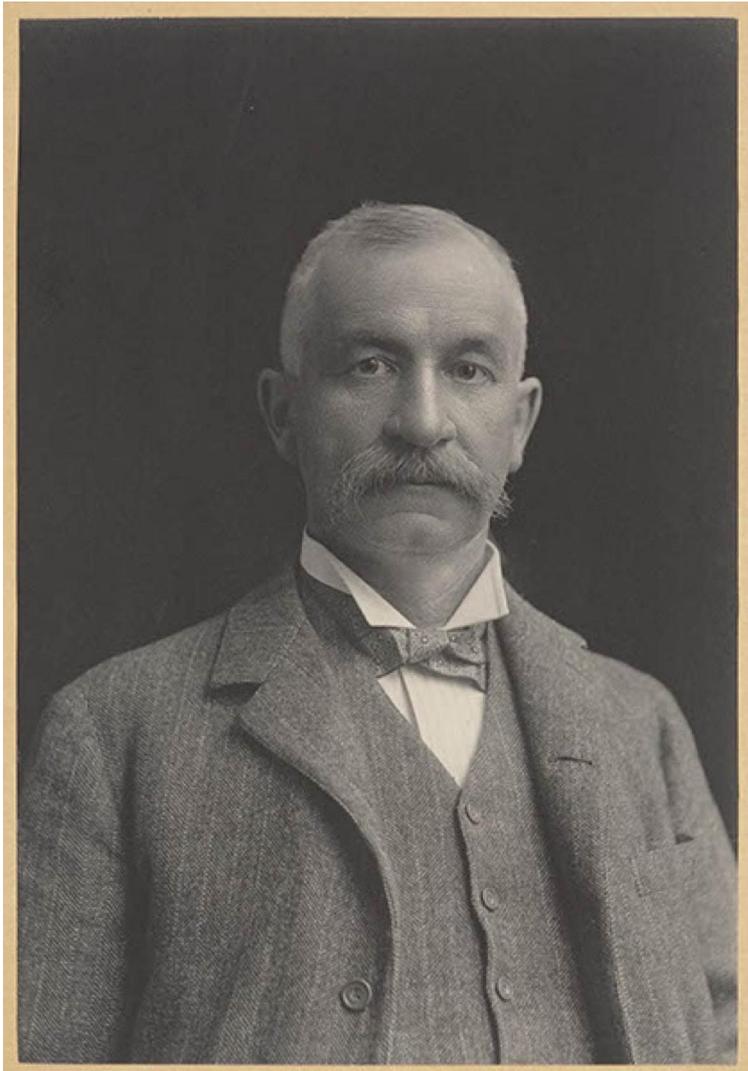
Support: paper

Image Material: Prussian blue (ferric ferrocyanide)



Historical photographic techniques: description and identification





Platinotype



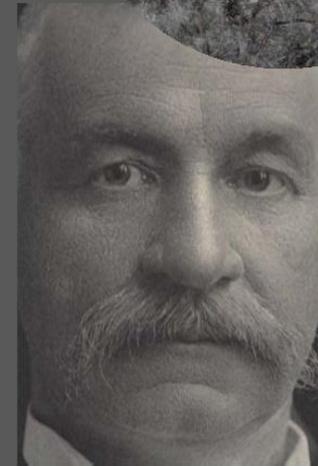
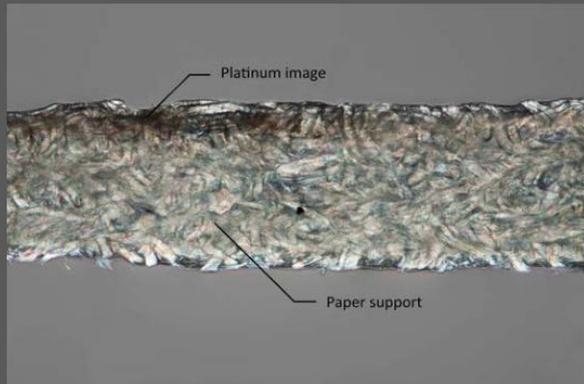
Iron

Process: platinum

Support: paper

Image Material: platinum

50x magnification





One layer

TRUE PHOTOGRAPH · Continuous Tone Image²

Layer Structure and Surface Character



Individual Characteristics

- Red-Brown, Purple, or Yellow-Brown Image Hue¹
- Signs of Fading¹

Process

SALTED PAPER PRINT

- Blue Image Hue¹

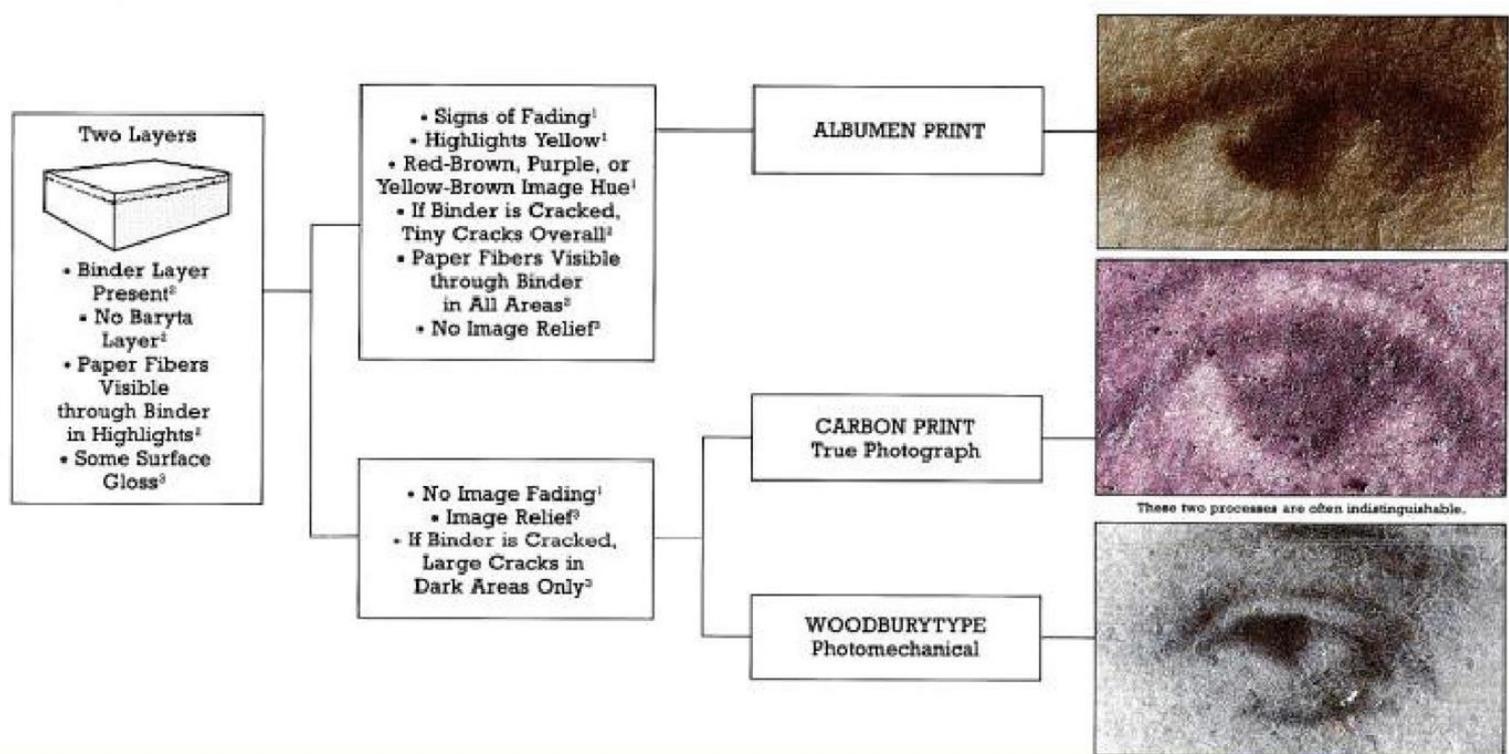
CYANOTYPE

- Neutral Image Hue¹
- No Image Fading¹

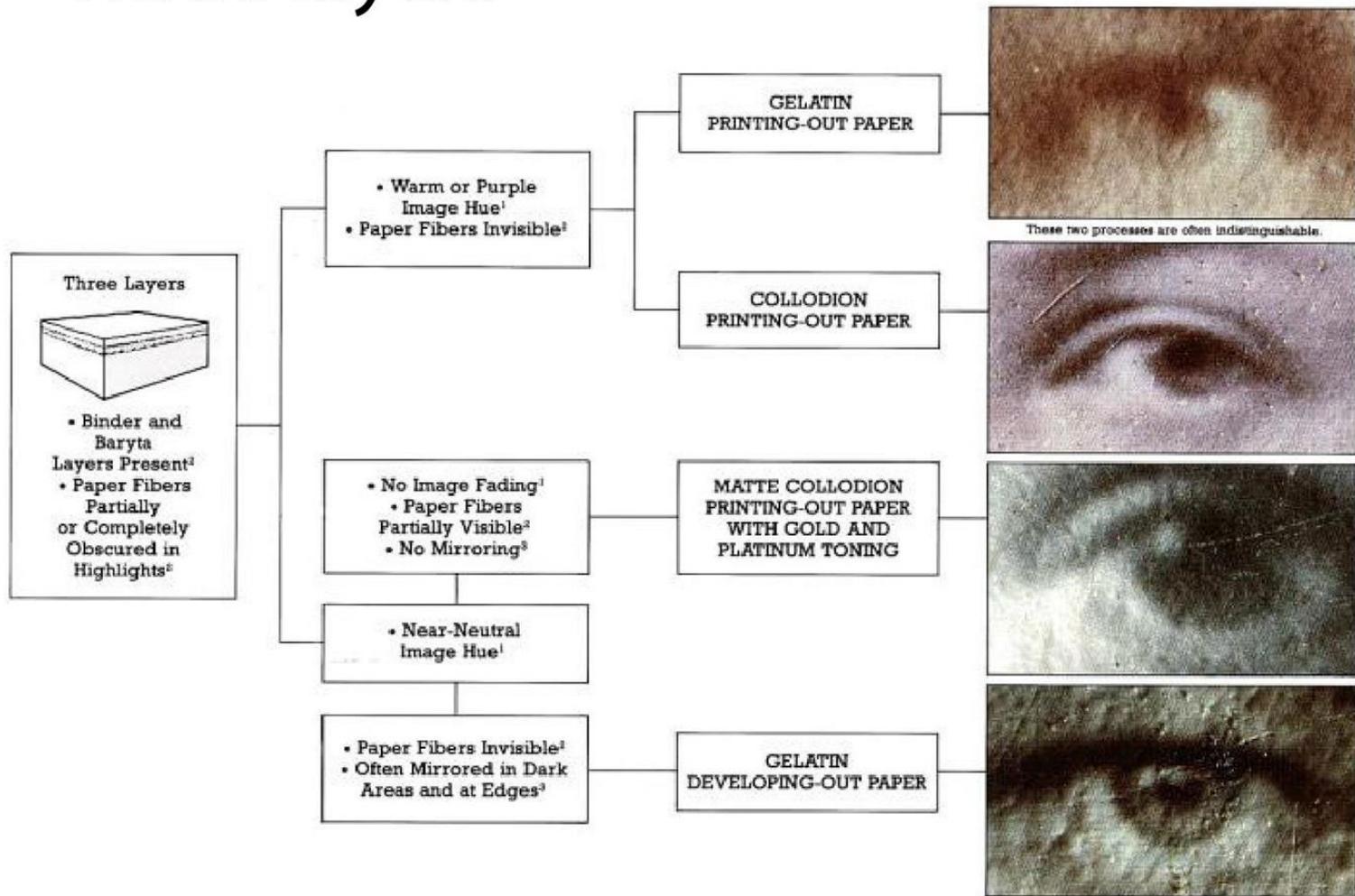
PLATINOTYPE



Two layers



Three layers



Resources

Web Resources

- Graphics Atlas
 - www.graphicsatlas.org
- George Eastman Museum Photographic Processes Series
 - YouTube
- Lingua Franca: A Common Language for Conservators of Photographic Materials
 - iTunes App
- The Atlas of Analytical Signatures of Photographic Processes
 - www.getty.edu/conservation/publications_resources/pdf_publications/atlas.html

Print Resources

- *Care and Identification of 19th Century Photographic Prints* by James Reilly
- *Photographs of the Past: Process and Preservation* by Bertrand Lavedrine
- *In the Darkroom: An Illustrated Guide to Photographic Processes Before the Digital Age* by Sarah Kennel