# From Copper Plate to Collotype: A Guide to the Technical History of Making Multiples

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# **Engraving**

Printmaking technique where an image is carved into a metal, usually copper, plate with a tool called a burin. Ink fills the lines in the plate, and the image is transferred to a dampened sheet via a printing press.

### **Etching**

Printmaking technique in which the artist freely draws onto a metal plate with a prepared ground. The plate is placed into an acid bath, coated with ink, and run through a printing press.

# Woodburytype

Hardened gelatin produces a relief, which is transferred to a lead plate through pressure, creating a mold. Pigmented gelatin fills the mold, against which paper is pressed to reveal the image.

### Photogravure

Also known as a photo-etching, this method combines etching technique and photographic chemistry to generate an image from a metal plate.

# Collotype

Photograph made with a sensitized glass plate run through a printing press.

### Albumen silver print

Photograph made through a combination of albumen (egg white) and silver salts. The image is made as a direct contact print, where the negative is placed on paper and exposed to light to create the print.

### Gelatin silver print

Photographs captured on silver gelatin paper. An image is exposed onto the paper and developed out through photochemistry.

#### Autochrome

A color photograph made through a dye matrix of potatostarch grains.

### Platinum print

A direct contact photographic print made with platinum. The platinum printing technique was quickly discontinued in the early twentieth century, as the precious metal was needed for war efforts during WWI.

# Cyanotype

A direct contact photographic print made with Prussian blue pigment.

<sup>\*</sup> Adapted from George Eastman Museum, Photographic Processes glossary, Tate Modern art terms, and National Gallery of Art guides.