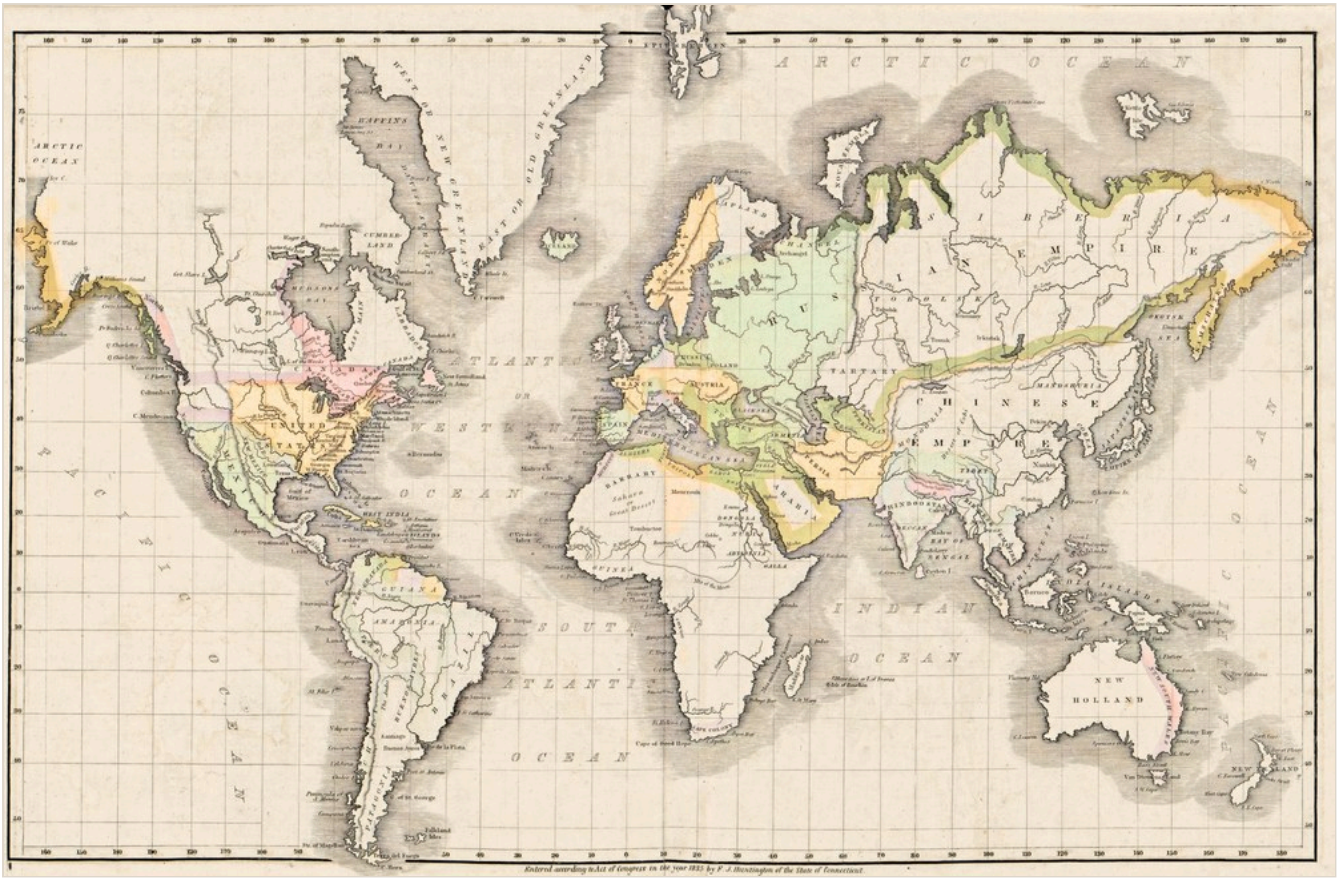


Atlas to accompany A system of universal history

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Emma Willard (1787-1870)
Credits	Emma Willard (1787-1870), author; F.J. Huntington and Co., publisher
Imprint	New York: F.J. Huntington and Co., 1839
Year	1839
Technique	Engraving, hand coloured, Original hand colouring (the record describes the atlas as hand col. maps)
Source	Library of Congress, Geography and Map Division, G1030 .W5 1839, LCCN 2006627640 https://www.loc.gov/item/2006627640/ · LoC no known restrictions
Notes	Plate from the atlas. Relief shown by hachures. Title from cover. Maps show only the known parts of the world for each period; the rest of the world is graphically obscured with opaque clouds. Bound in gray paper.

WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 234.95, warmth 31.0.
- Scanner edge removed: top 0, bottom 0, left 0, right 0 px. No mount board: the sheet was scanned on its own.
- The printed line deepened by a monotone tone curve; ink area changed by 0.76× — the lines are darker, not thicker.

- Owner marks: This sheet carries no library stamps and no pencil shelfmarks, so nothing was erased from it. The frame was set by hand to an even margin on all four sides, and loose specks were lifted from the paper. What the tools flag along the left edge is the edge of the sheet itself, two pixels wide, not a mark. No retouching was done over printed lines; the hand colouring is original and untouched.
- Hand colour returned from the source scan: the tone curve that deepens the printed line also lifts watercolour washes toward the paper, so hue and saturation were taken from the archive scan and laid back over 7.6% of the sheet — exactly where that scan carries colour. Brightness stays the restored one; the colour is the sheet's own. Nothing was coloured in that the scan does not already carry.

WHAT WAS NOT DONE

- no map content added, removed or redrawn
- no retouching over printed ink
- no change of proportions
- no global filter
- paper neither bleached white nor tinted
- authenticity marks kept: plate mark, deckle edge, honest patina

MEASURED ON RELEASE

The line is deep, not thickened	ink core 16 of 255 · ink area 0.76× the source
Nothing is burnt out at either end	0.00% of the sheet clipped to white · 0.00% crushed to black
The paper is even across the whole sheet	level 235 · unevenness 1.17, where 4 is the limit
The paper is warm — neither bleached nor tinted	R–B 31, inside the 24–40 band of the studio standard (paper tone D)
Paper texture is kept, not smoothed away	0.99 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.58× the source · halo 1.23%
Nothing of the archive is left behind	stains 0.00% · specks 0.00%

Engine revision 8, standard revision 7.1. Every criterion, with its target and the measured value, is listed in the record below.

WHAT IS IN THE ARCHIVE

110-atlas-accompany-system-universal-1839-full-300dpi.jpg	13.2 MB
110-atlas-accompany-system-universal-1839-trim-300dpi.jpg	12.4 MB
formats/110-atlas-accompany-system-universal-1839-3x2-300dpi.jpg	12.5 MB
formats/110-atlas-accompany-system-universal-1839-4x3-300dpi.jpg	13.3 MB
formats/110-atlas-accompany-system-universal-1839-5x4-300dpi.jpg	13.7 MB
formats/110-atlas-accompany-system-universal-1839-iso-300dpi.jpg	12.9 MB
110-atlas-accompany-system-universal-1839-passport.pdf	this document

Six print files and this passport, 78 MB in total, delivered as six separate ZIP archives (one print file, the passport and a READ ME in each). Nothing else: the catalogue previews and the 1:1 detail crops shown on the shop page are not padding out this archive —

any crop you want is already inside the full-resolution file.

Largest print at 300 dpi: 43.5 × 28.4 cm. At 240 dpi: 54.3 × 35.5 cm. At 200 dpi, still sharp on matte paper at arm's length: 65.2 × 42.6 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	16.0	2-22
black point (full resolution)	6.0	2-14
white point	241.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.0	0
paper level	234.95	227-237
paper evenness across the sheet	1.17	0-4
paper warmth R-B	31.0	24-40
residual stains, %	0.0	0-0.2
residual specks, %	0.0	0-0.5
paper texture kept vs source	0.99	0.60-1.00
edge sharpness vs source	1.58	>= 1.00
halo around lines	1.23	0-2
ink area vs source	0.76	0.90-1.12
absolute edge sharpness	440.8	>= 20

Restoration © Old Map Studio, 2026-10-01. The original map is in the public domain. This passport records what was measured, not what was hoped for.