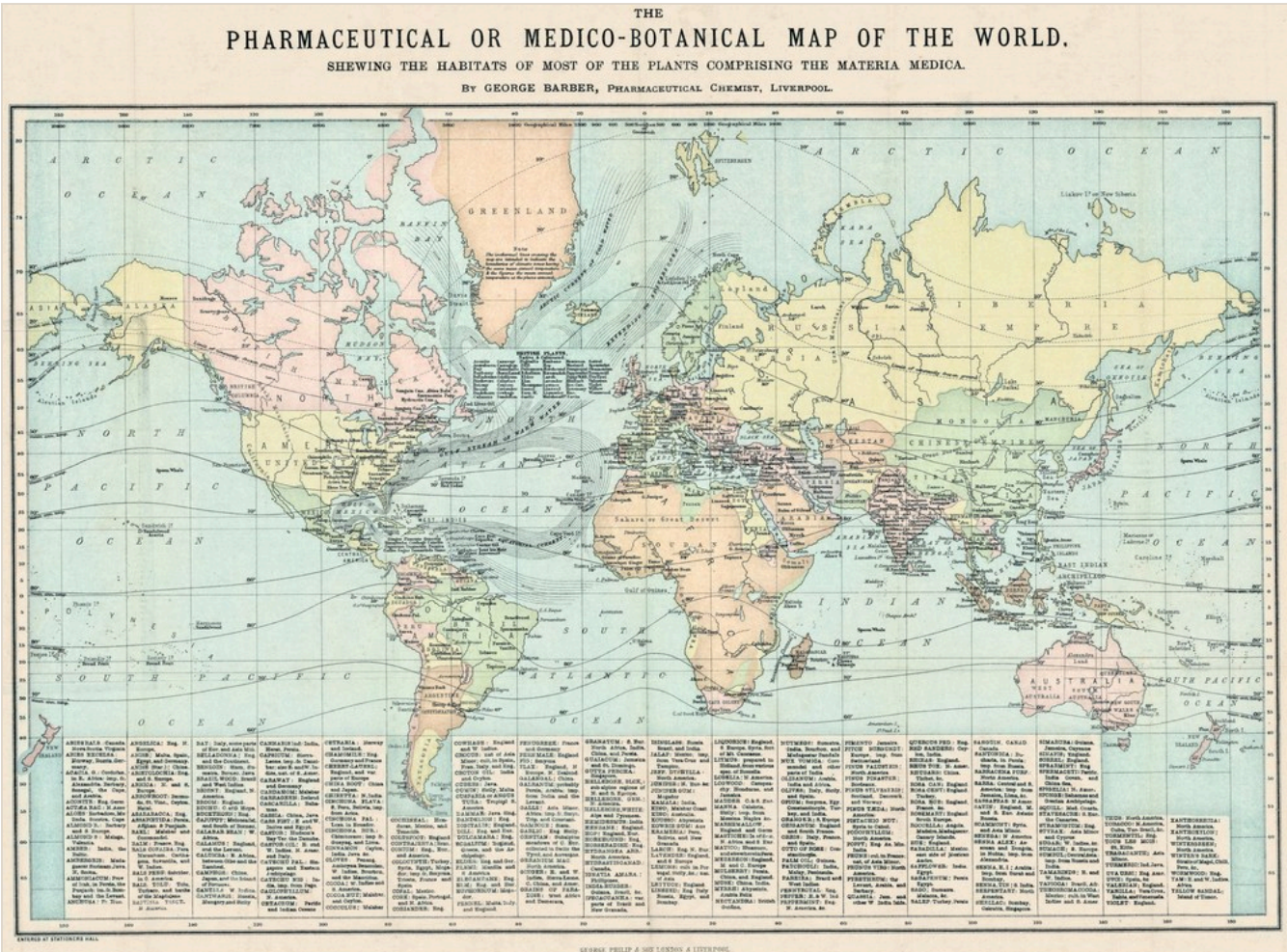


The Pharmaceutical or Medico-Botanical Map of the World

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	George Barber
Credits	George Barber, pharmaceutical chemist, Liverpool (lettered under the title); published by George Philip & Son
Imprint	London & Liverpool : George Philip & Son, [1870]
Year	1870
Technique	Not stated in the record
Source	National Library of Scotland, Maps of our World https://maps.nls.uk/world/ · NLS Scotland CC-BY 4.0 (attr: National Library of Scotland)
Notes	Lettered under the title: By George Barber, Pharmaceutical Chemist, Liverpool. At the foot of the sheet: ENTERED AT STATIONERS HALL and GEORGE PHILIP & SON LONDON & LIVERPOOL. Below the map runs a wide table of drugs of the Materia Medica with the countries they come from, from Amber and Balsam of Peru to Wormwood and Yellow Sandal. Longitude is counted from the Meridian of Greenwich and the scale bars are given in geographical miles. (All read from the sheet; the date 1870 and the attribution to George Barber are from the National Library of Scotland listing of its Maps of our World collection.)

WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 234.83, 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 1.01× — the lines are darker, not thicker.
- Owner marks: No library stamps and no pencil marks were found on this sheet. Two marks flagged by the automatic check were examined at 1:1 and turned out to be the printed dashed graticule lines, so nothing was removed. The scanner edge was not cropped: the restored master has exactly the size of the source scan. A few specks of paper dust remain in the blank margins outside the printed area, and the blank margins are of uneven width, as they are on the original sheet; both were left as they are by the owner's decision.
- 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 60.9% of the sheet — exactly where that scan carries colour. Brightness stays the restored one; the colour is the sheet's own. Apart from what follows, nothing was coloured in that the scan does not already carry. In 3 small patches (about 2.0 cm² in all) the wash had worn thin on the original sheet and showed as pale islands in the sea colour; there the colour was evened out from the surrounding wash of the same sheet. Brightness and every printed line in those patches are untouched.

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 20 of 255 · ink area 1.01× 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 3.57, 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	1.04 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.39× the source · halo 0.00%
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

639-barber-pharmaceutical-map-world-1870-full-300dpi.jpg	17.7 MB
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639-barber-pharmaceutical-map-world-1870-trim-300dpi.jpg	18.4 MB
formats/639-barber-pharmaceutical-map-world-1870-3x2-300dpi.jpg	19.7 MB
formats/639-barber-pharmaceutical-map-world-1870-4x3-300dpi.jpg	18.6 MB
formats/639-barber-pharmaceutical-map-world-1870-5x4-300dpi.jpg	19.3 MB
formats/639-barber-pharmaceutical-map-world-1870-iso-300dpi.jpg	19.0 MB
639-barber-pharmaceutical-map-world-1870-passport.pdf	this document

Six print files and this passport, 113 MB in total, delivered as six separate ZIP archives (one print file, the passport and a README 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: 62.0 × 45.8 cm. At 240 dpi: 77.5 × 57.3 cm. At 200 dpi, still sharp on matte paper at arm's length: 93.0 × 68.7 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	20.0	2-22
black point (full resolution)	9.0	2-14
white point	240.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.0	0
paper level	234.83	227-237
paper evenness across the sheet	3.57	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	1.04	0.60-1.00
edge sharpness vs source	1.39	>= 1.00
halo around lines	0.0	0-2
ink area vs source	1.01	0.90-1.12
absolute edge sharpness	532.96	>= 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.