

MAHONIA

Vessels very small (25-50 μ mean tangential diameter) commonly in irregular clusters, which tend to be grouped in radial lines, in at least the early rings, in *M. tenuifolium*; seldom touching the rays; 25-50 sq. mm: with spiral thickening. Perforations typically simple, slightly oblique. Imperfect vessel members frequent. Intervascular pitting alternate, moderate sized. Pits to ray cells very rare, similar to intervacular pitting. Mean member length 0.15-0.27 mm.

Paraenchyma absent

Rays typically high and wide: usually up to 6-12 cells wide; commonly more than 2 mm and sometimes more than 5 mm high, the tall rays often showing evidence of subdivision into smaller units: uniseriate very few or lacking: about 3 rays per mm. Homogeneous (Kribs's Type II) composed entirely of small square cells in *M. tenuifolium*; with numerous crystals.

Fibres with moderately numerous, small, simple pits on the radial and tangential walls. Walls thin to moderately thick. Sometimes storied. Mean length 0.3-0.75 mm.