

gleborough Cave. These are partly laid open by the falling away of the limestone, and give occasion to the name of Easgill Kirk, which is applied to the narrow and irregular passage. As usual there is a good deal of wood about the caverns.

One of the least accessible of these openings is at the level of the water, and has a fine holly growing over it. Only sure-footed pedestrians should attempt to follow all the windings of Leck Beck; and Easgill Kirk, though it can be approached by a carriage, requires cautious footsteps for inspection. The return to Kirkby Lonsdale may be made over Casterton Low Fell.

Near Tunstall the Lune is augmented by the Greta, which brings the drainage of Whernside, Ingleborough, and Gragreth, through the two remarkable dales called Kingsdale and Chapeldale. The scenery on these streams is of a simple description, for it consists of little but the dale expanded between two gigantic insulated mountains, and the effect is very much dependent on the hour of day; early morning and late evening give grand and admirable effects. In Chapeldale are the fine limestone caverns of Weathercote, Gatekirk, &c., already noticed (pp. 29, 30). Below all these caves the Greta appears in a regular channel on the green slaty rocks of Ingleton, which are largely quarried, and though they yield no fossils, their vertical cleavage, under horizontal limestone scars, bands of calliard, traces of felspathic dykes, and remarkable crystals of pyrites, are worthy of attention.

Kingsdale has its origin in the south-western slopes of Whernside, but soon, transformed into a lonely glen of the Scar limestone, continues in a very straight course, between the high ridge of Gragreth and Ingleton Fells by Yorda's Cave and Thornton Force, to join Chapeldale at Ingleton. At Thornton Force the water falls 30 feet, from a ledge of limestone over a breast of slate; the horizontal beds of the upper part contrasting curiously with the angularly meeting joints below. The botanist will remark the different appearance of the herbage on the limestone and the slate.