

Whin), and becomes the boundary between Yorkshire and Durham. This great waterfall is 'Caldron Snout,' a wild and dreary cataract, seldom visited, though accessible from the High Force Inn. Good pedestrians may from this point explore High Cup Nick, and the other deep cuts in the summit of drainage, from which the views toward the Lake mountains over the deep Vale of Eden are magnificent.

Maize Beck, which for a short space separates Yorkshire and Westmoreland, is the most interesting branch of the Tees for a geologist to follow. For about two miles above Caldron Snout, Maize Beck runs on the greenstone; then limestone rock (called Tyne bottom limestone) appears over the greenstone and continues without interruption to the western front of Dufton Fell (in Westmoreland), where the greenstone appears again below this limestone, but reduced in thickness to 24 feet.

Proceeding down the Tees from Caldron Snout, we find the greenstone continue in bold cliffs with limestone over it; the limestone being in some places bleached, and recrystallized where in contact with the trap, so as to resemble coarse statuary marble. Cronkley Scar gives examples of this. The Tees spreads widely in a shallow channel full of stones*, till we approach the High Force, a waterfall of 69 feet, over greenstone resting on shale and limestone, the shale prismatized by the heat of the trap, but the limestone not bleached as that above the trap is. The High Force shows usually one great stream of water, but in times of great flood a second channel through the rocks is filled with another current. This is a very grand scene. The dark tints of the rocks, the agitation of the water, the contraction of the channel, and the ornament of wood, make a very effective combination. A much improved Inn near the Fall will be found very convenient for exploring Upper Teesdale, and ascending Mickle Fell.

* It is common to ride through the Tees here. Late one evening, after a long day's walk, I attempted twice, and each time in vain, to save a few miles of walking in the dark, by wading through the stream when it was in flood,—a foolish experiment.