

south of Ilkley is 1322 feet (N.) above the sea. Cowper Cross according to Nixon is 1250 feet, and Bradhope near Ilkley 1248 feet; Baildon Hill near Bingley 922 feet; Otley Chevin 921 feet; the Cow and Calf Rocks above Benrhydding 860 feet (see Pl. XVI.); Shibden Top near Ilkley 831 feet, and Rawden Billing 773 feet.

BOULSWORTH HILL.—On the summit of drainage between two rivers which bear the same name, the Calder of Yorkshire and the Calder of Lancashire, is a mass of millstone grit (1689 feet O. S., 1697 feet N.). Several points of nearly equal elevation conduct us along the heaven-water boundary to Blackstone Edge, over whose dreary rocks and heaths the old road climbed from Halifax to Manchester, to descend abruptly on the west; and Stanedge, under which the Huddersfield Canal was carried by a tunnel exceeding three miles in length,—the route now taken by the railway. A rough seat on the coach up the slow and difficult road over Stanedge, with its romantic and interesting view, was more pleasing than the softest cushion on the rail. Continuing on this summit to the south we reach the heavy wastes of Holme Moss, perhaps the most elevated point in the south-western district (1859 feet O. S.), and afterwards the more marked though less elevated forms of Bullstones, Haystones and Derwent Edge, which overhang with wild rock edges the eastern branch of the beautiful river of Derbyshire.

NORTH-EASTERN DISTRICT.—The oolitic formation which constitutes the elevated part of the north-east of Yorkshire, is cut across from west to east by the dale of the Esk, and by a hollow extending from Coxwold and Byland, by Gilling, to Stonegrave, along which the Thirsk and Malton Railway finds an easy passage.

The hills and cliffs north of the Esk consist of lias (including the Ironstone series), capped by sandstones, representative of the Lower Oolites. The whole country slopes to the eastward, but with much irregularity, from the detached peak of Rosebury Topping (1022 feet O. S.), and the continuous ranges of Guis-