

of Mr. William Hill, the river which washes the walls of York, and obtained for a period of seven months, commencing 1st November 1851, the quantity of water in cubic feet per day. I conclude from these observations, that the river, when it is entirely free from freshes, and supplied only by springs and drains, delivers about 15,000 cubic feet per minute. The drainage of the York River amounts to about 1268 square miles, and therefore the annual supply of spring water to the river is equal to a depth of 2.66 inches on the whole surface, besides the amount evaporated from the streams.

At Naburn, four miles below York, the river discharges itself over a dam, where its depth can be easily measured. After long drought, when the stream may be regarded as supplied only from springs and drains, the depth on the dam is only a few inches. What additions are made to this constant supply by irregular freshes and inundations, I cannot at present state.

#### THE TEES.

TEES, a river to which Yorkshire and Durham have equal claims, rises among the loftiest and most lonely mountains on the Penine Chain; for its main stream comes down from the east side of Cross Fell (2901 feet), and several branches gather their supplies from scarcely inferior levels in the wilderness of Milburn Forest, and on the slopes of Scordale Head and Mickle Fell. Some of their remotest sources reach beyond the boundaries of Yorkshire and Durham into Westmoreland and Cumberland, and other branches come in from the north which rise in Hart-hope, Swinhope, and Westenhope Commons. These streams are more commonly called Burns, as in Northumberland, than Gills or Becks, as in Yorkshire and Cumberland. The termination 'hope,' affixed to some villages and many small hamlets in Weardale, is rarely used in Yorkshire.

Descending from Crossfell, and gathering small feeders on its way, the Tees expands into a long irregular surface, called the 'Weel,' a Teutonic name, and at length throws itself over a great cliff (200 feet high) of greenstone (this rock is locally called