EXCURSION TO WIMBLEDON AND PUTNEY,
SATURDAY AFTERNOON, MAY 5TH, 1888.

Directors : O. M. PROUSE, F.G.S., and W. TOPLEY, F.R.S., F.G.S.

(*Report by W. TOPLEY.*)

The party assembled at Wimbledon Station, and proceeded along the unfinished railway, through Wimbledon Park, to Putney, where the railway crosses the Thames by a new bridge just east of The Cedars to join the District Railway.

An engine and trucks had been kindly provided for the party by Messrs. Lucas and Aird, the Contractors.

Just east of Wimbledon Station was a fine exposure of London Clay with lines of *Septaria* dipping a few degrees east of north. Here Mr. W. H. Hudleston, F.R.S., gave a description of the mode of formation of ironstone and *Septarian* nodules in clays. Mr. Prouse described the way in which the American "steam navvy" excavated the clay. Good sections of the London Clay had formerly been exposed where the line crosses the Wimbledon Road, near Elm Lodge, and also in the deep cutting, now in part a tunnel, under the Kingston Road. In these places, too, the dip was at a low angle to the north or a little east of north; there were also good layers of *Septaria* and lines of *Selenite*. The piles of the bridge over the Thames were in London Clay, and from here some fossils had been obtained, including *Nautilus* and *Crinoid* stems.

On the flat land north-east of the lake in Wimbledon Park some indications of gravel had been observed; and on this occasion Mr. Clement Reid, F.G.S., had brought with him the hand-boring tools recently adopted by the Geological Survey from the Geological Survey of Belgium. A few trial-holes showed that there was a covering of gravel over this flat land not yet recorded on the maps.

The most important beds of drift along the line, however, are those just north of the Kingston Road. Here thick beds of sand and gravel were seen banked against the old river-cliff of London Clay. The gravel became finer and more mixed with sand towards the river.

Tea was kindly provided by Mr. Prouse at his office; after which the party walked to the river and inspected the bridge.