

The limestone bed underlying Paris, and affording the materials of which many of its buildings are composed, known by the name of Calcaire grossier, corresponds most nearly in its relations and fossils, with the London clay of our series; yet no

rising of the water: but after taking up several tons of the sand, the water rose to its first level. No specimen of the rock forming the lowest stratum of the above section was obtained; it may perhaps be considered analogous to the calcareous sandstone of the Bognor rocks, and the beds of limestone in the cliffs near Harwich in Essex, as may also the rock bored through for 10 feet in depth, after sinking through 122 feet of blue clay, at the foot of a small eminence, near Sewardstone in Essex. In both instances the water rose rapidly from beneath the rock; but at Bromley near Stratford le Bow in Essex, a bed of rock, one foot thick, occurred 24 feet above the main spring.

Section of a well at Twyford near Acton in Middlesex, from papers in possession of the Geological Society. (C)

	feet.
1. Yellow clay.....	38
2. Lead coloured clay, containing some fossil wood at 188, and shells at 200 feet from the surface.....	170
3. Rock.....	} 2
4. Sand and clay with pebbles.....	
5. Variegated clay, red, blue and black.....	32
6. Sand and water.....thin.....	
7. Clay.	

The Section obtained at the Highgate Tunnel presented the following strata. (C.)

	feet.
1. Flint gravel, sand and loam, occasionally concreted by iron (diluvial).....	10
2. Loam with a few marly concretions, but no septaria, pebbles, or shells.....	30
3. Blue clay with septaria and shells, hardest in the lowest part.....	65
	105

The first attempt at Highgate was to drive a tunnel (like that of Paussillipo) through the hill; but after a tunnel of small dimensions had been driven, this plan was abandoned in consequence of finding the substratum sandy and loose, and incapable of supporting an arch of the dimensions required, and resisting the superincumbent and lateral pressure. Mr. Middleton is of opinion that the London clay had been cut entirely through; and that this stratum was the sand of the inferior plastic clay formation: but it is highly improbable (unless a great undulation in the strata be supposed) that that sand should have occurred in this point at such a level; and indeed the nature of the contents of this stratum, consisting of septaria, fossil fish, and lobsters, &c. identify it with the London clay formation, and prove that it was merely one of those subordinate sandy beds which often occur in a similar situation.

The well at White's Club-house, St. James's-street. (Ralph Walker, Esq. P

142 feet blue clay
93 feet of red clay

235

Water rose to about 45 feet from the top.