

conglomerates and grits are seen, which strongly resemble the basic conglomerates of the series. Their relation to the over-lying coal measures would indicate that some great want of conformity, such as a tremendous upthrow fault, had brought them into this anomalous position. As no such disturbance of the strata was at all visible, and there appeared to be a perfect and regular succession from the lowest beds upwards I cannot but conclude (putting lithological resemblances aside), but, that these conglomerates and grits are in reality the summit of the Millstone grit formation.

The following is the section of the rocks here displayed beginning at the Junction with the Laurentian up stream:—

		Strata.		Coal.	
		Ft.	In.	Ft.	In.
Coarse, reddish conglomerate, grits and sandstones, with some thin, bluish arenaceous bands, a good deal concealed					
		594	0		
Coarse and fine, greyish sandstones, shales and some clayey bands, showing a little coaly matter. Rotten shale and clay towards top ..					
		260	0		
		Ft. In.			
No. 1.	Underclay	1	0		
	Soft, earthy, impure coal	1	2		
	Drab fire clay	1	6		
	Soft, earthy, impure coal	1	2		
	Clay, with coal streaks	1	0		
	Coal and clay mixed	1	1		
	Carbonaceous shale and ironstone ..	0	4		
	Soft coal	0	4		
	Clay	0	5		
	Coal and clay mixed	0	10		
				5	2
				3	8
Thick and thin sandstones, with shaley layers					
		17	0		
No. 2.	Bluish fireclay, with coal streaks	1	0	0	3
	Sandstones and shales	8	0		
No. 3.	Fireclay, with a little coal	1	4	0	2
	Sandstones, shales and clay layers	36	0		
	Dirt Streak	1	0		
	Rotten, shaley rock and clay, with a few thin layers of sandstones	5	0		
No. 4.	Thin coal streak in fireclay	1	0	0	3
	Coarse sandstone and shaley rock	5	0		