

scribed. No. 6 had widened out to eight feet, with about two feet of coal of good quality. Nos. 7, 8 and 9 were not quite so large as before, but Nos. 10, 11 and 12 had run together, forming one wide seam with alternations of coal and clay measuring twenty-two feet across. Only two feet of coarse sandstone separated this from another seam of five feet, supposed to represent No. 13. All these might be considered one seam having a total breadth of twenty-seven feet and containing altogether fourteen feet of coal.

The following are the details of the section of this seam exposed to view:—

	Ft.	In.
Underclay	2	0
Soft, impure coal, with clay streaks	0	10
Clay shale and thin coal streaks	3	0
Impure coal and shale mixed	0	7
Clay and carbonaceous shale	2	10
Soft coal	0	4
Coal with clay streaks	2	0
Shaley clay	0	8
Coal, soft and shaley at the top, more compact towards bottom	4	6
Carbonaceous shale	0	3
Coal and clay mixed	0	6
Shaley coal	0	4
Impure coal	0	6
Clay and shale	0	3
Soft, shaley coal	1	2
Clay, shale and thin coal streaks	1	0
Band of coarse grey sandstone	2	0
Clay	0	2
Coal, hard at bottom	1	2
Clay	0	2
Coal, soft and shaley	0	10
Clay	0	2
Soft coal	0	10
Clay	0	10
Total	26	11
Coal	14	0

As may be judged from the above section, most of the coal contained in this large seam was soft and impure, being much mixed with dirty fireclay and rotten shale. The seam was also found