

2nd.—FALL COAL, immediately above the fire clay parting—or holing—this being the first bench taken down. Coal good; surfaces of deposition show dead black patches of mineral charcoal, with bright points and patches of bright bituminous matter. Thickness, 3 feet 3 inches.

Volatile matter at 100.c.....	1.56	Volatile matter.....	31.694
" " 200.c.....	13.61	Fixed carbon.....	60.320
Total volatile, 1, slow coking ...	29.78	Ash (grey).....	7.560
" 2, fast "	31.92	Sulphur.....	426
Coke, 1, slow coking.....	70.22		<hr/>
" 2, fast "	68.08		100.000
		Specific gravity.....	1.328

3rd.—First bench (below the holing). Coal good; all the surfaces brilliant; a remarkably clear, bright coal. Thickness, 1st bench, 4 feet.

Volatile 100c.....	1.89	Volatile matter.....	33.526
" 220c.....	16.45	Fixed Carbon.....	55.390
Total volatile, slow coking.....	26.49	Ash (grey).....	10.500
" fast "	34.11	Sulphur.....	584
Coke, slow coking.....	73.51		<hr/>
" fast "	65.89		100.000
		Specific gravity.....	1.327

4th.—Second Bench. Good coal; laminated and cubical. On the surfaces of the deposition planes, there is some mineral charcoal, and all the other surfaces are of a brilliant black. Thickness, 4 feet.

Volatile at 100.c.....	1.31	Volatile matter.....	29.973
" 220.c.....	14.61	Fixed carbon.....	60.310
Total volatile, slow coking.....	28.73	Ash (grey).....	8.670
" fast "	31.02	Sulphur.....	1.047
Coke, slow coking.....	71.27		<hr/>
" fast "	68.98		100.000
		Specific gravity.....	1.343

5th.—Third bench. Good coal; laminated. It is not so bright as first and second benches. Thickness, 2 feet.

Volatile at 100.c.....	1.43	Volatile matter.....	30.756
" 220.c.....	13.12	Fixed carbon.....	59.890
Total volatile, slow coking.....	29.14	Ash (grey).....	8.790
" fast "	31.32	Sulphur.....	564
Coke, slow coking.....	70.86		<hr/>
" fast "	68.68		100.000
		Specific gravity.....	1.335