



SK46SW/2

LIST OF SAMPLES,
No.2 Well, Hardstoft.

Ft.	
-25	Grey mud (? mostly cement)
25 -30	" "
-40	" "
-45	" "
-50	" "
-55	" "
-60	Grey shale
-65	" "
-70	" "
-75	" "
-80	" "
-85	" "
-90	Hard sandy shale
-94	Bright <u>Coal</u>
-98	Coal, clay and fine sandstone
-102	Fine silt (? cement)
-104	" "
-105	" " with shale
-110	Grey shale
-115	" "
-120	Bright <u>Coal</u>
-125	" " and fireclay
-130	Silt
-135	" with traces of shale, coal and ironstone
-140	Shale and fine sandstone
-145	" " " "
-150	Grey shale
-155	Sandy "
-160	" "
-165	" "

/ -170

Ft.	
-170	Fine sand
-175	" "
-180	" "
-185	" "
-190	" "
-200	Sandy shale
-205	Fine sand
-210	Mud and a little shale
-215	Sandstone and some ironstone
-220	" " " "
-225	"
-230	Fine sand
-234	" "
-236	" "
-240	" "
-245	" " and traces of coal
-249	" "
-251	Dark shale and some sand
-255	" " " " "
-260	" " , ironstone and traces coal
-265	Sandstone and some shale
-270	" " dark shale
-275	Dark shale
-280	" "
-285	" "
-290	" "
-295	" "
-300	" " with coal and ironstone
-304	<u>Coal</u>
-308	Dark shale with ironstone
-312	Mostly fireclay
-315	Fireclay and shale
-320	Dark shale

Ft.	
-324	Bright <u>Coal</u>
-330	Dark shale
-335	" " with trace of coal
-340	Sandy shale
-345	Dark sandy shale
-350	" " "
-355	Soft shale and clay
-360	" " " "
-365	" " " "
-370	" " " " and fine sandstone
-375	Fine sandstone
-380	" " , ironstone and trace coal
-385	Hard sandy shale
-390	" " "
-395	Shale and ironstone
-400	Dark shale
-405	" "
-410	" " and trace coal
-415	" " and coal
-420	Hard sandy shale
-425	" " "
-430	" " "
-435	" " "
-440	" " "
-445	" " "
-450	" " "
-455	Soft shale and clay
-460	Grey shale
-465	" " and coal
-470	" " " "
-475	Fireclay etc.
-480	Shale and ironstone
-485	" and clay

Ft.	
-490	Grey shale
-495	" "
-500	" "
-505	" " with trace coal
-510	" "
-515	" "
-520	" "
-525	Sandy shale
-530	Dark shale
-535	" " and clay, trace coal
-540	" " " " " "
-545	Fine sandstone
-550	" "
-555	" " and shale
-560	" " " "
-565	Grey shale
-570	Hard sandy shale
-575	" " "
-580	" " "
-585	Fine sandstone
-595	Sandy shale
-600	Soft grey shale
-605	" " " , traces coal
-610	" " " " "
-615	Fine sandstone and shale
-620	Grey shale and little fine sandstone
-625	" "
-630	" "
-635	" "
-640	" "
-645	" "
-654	" "

Ft.	
-659	Grey shale, traces coal
-664	" "
-668	" "
-673	" "
-678	Hard shale and fine sandstone
-683	Grey sandy shale
-686	Hard grey shale
-694	Dark shale and some sandstone
-700	Fine white sandstone and hard grey shale
-706	Hard grey shale
-712	" " "
-717	" " "
-722	" " "
-727	" " "
-732	" " "
-736	" " "
-739	" " "
-745	" " " with traces coal
-750	" " " " " "
-755	" " "
-760	" " "
-765	" " "
-769	" " "
-773	" " " slightly sandy
-779	" " "
-783	" " "
-786	" " "
-790	" " "
-794	" " "
-798	" " "
-802	" " "
-808	" " "
-813	" " "

/ -818

Pt.	
-818	Hard grey shale
-822	" " "
-825	Grey sandy micaceous shale
-832	Grey shale, slightly sandy
-839	Fine sandstone with little shale
-845	" " " " "
-851	" " " " " , trace coal
-854	<u>Coal</u> and fine sand
-860	Brown sandstone and little shale
-864	" " " " "
-869	" " " " "
-872	" " " " "
-873	Grey mud and shale
-876	Sandstone and little shale
-879	Grey shale and some sandstone
-880	" " (cavings) and some sandstone
-884	Mostly fine sandstone
-885	Grey mud
-890	Fine pale sandstone
-892	Dark grey shale (? cavings)
-898	Sandstone and little shale
-900	" " " "
-908	" " " "
-911	Pale sandstone
-913	" " and dark shale
-917	" "
-922	" "
-926	" "
-931	" "
-935	" "
-940	" "
-945	" "
-951	" "

/ -957

Ft.	
-957	Hard sandy micaceous shale
-962	Dark grey shale
-967	" " "
-972	" " "
-980	" " "
-987	" " "
-997	" " "
-1005	" " "
-1011	" " "
-1016	" " "
-1021	" " "
-1031	" " "
-1037	" " "
-1045	" " "
-1055	" " "
-1065	" " "
-1075	" " "
-1084	" " "
-1090	" " "
-1095	" " "
-1100	" " "
-1105	" " "
-1111	" " "
-1118	" " "
-1125	" " "
-1135	" " "
-1145	" " "
-1155	" " "
-1165	" " "
-1170	" " "
-1181	" " " slightly sandy and micaceous
-1186	" " "
-1194	" " "

/ -1204

Ft.	
-1204	Dark grey shale
-1212	" " "
-1222	" " "
-1230	" " " slightly sandy
-1235	" " "
-1242	" " "
-1250	" " "
-1257	Dark shale
-1266	Grey and brown sandstone, little shale
-1274	Hard blue sandy shale
-1284	Grey shale
-1292	" "
-1304	" " slickensided
-1310	Fine sandstone and shale
-1316	" " ,rather rusty
-1321	" " and shale
-1326	" " " "
-1330	Dark grey shale
-1337	" " "
-1346	" " "
-1356	" " "
-1366	" " "
-1374	" " "
-1384	" " "
-1393	Hard white micaceous sandstone and sandy shale
-1402	" " " "
-1409	" " " "
-1415	" " " "
-1427	" " " "
-1434	" " " "
-1440	" " " "
-1448	Blue sandy shale and sandstone
-1456	blue shale and little sandstone / -1464

Ft.	
-1464	Hard blue shale
-1470	" " "
-1477	" " "
-1483	Hard shale, sandstone and <u>Coal</u>
-1491	White micaceous sandstone
-1502	" " "
-1509	" " "
-1515	Hard sandy shale and some sandstone
-1525	" " "
-1530	Shale and sandstone
-1538	Blue shale and mud
-1546	" "
-1554	" "
-1560	" "
-1571	" "
-1580	" "
-1586	" "
-1592	" "
-1602	" "
-1612	" "
-1617	" " and trace sandstone
-1621	Pale medium-grained sandstone, little shale
-1628	Sandstone and shale
-1633	" (ganister-like) and shale
-1638	" " "
-1645	Hard blue shale.

SK46 SW/2

Second List of Samples.

No.2 Well, Hardstoft.

Pt.	
1645-1650	Shale, clay, cement, etc.
-1655	Shale, cement, etc.
-1660	Shale cavings, cement, etc.
-1665	Fine brown sandstone
-1670	" " "
-1675	Sandstone and little shale
-1680	" " " "
-1685	" " " "
-1690	" " " "
-1695	" " " "
-1700	" " " "
-1705	Shale and clay
-1710	" " "
-1715	Shale and sandstone
-1720	" " "
-1725	Dark shale and some sand
-1730	Dark shale
-1735	" " "
-1740	" " and clay
-1750	" " "
-1755	" " "
-1760	" " "
-1765	" " "
-1770	" " "
-1775	" " and clay
-1780	" " "
-1785	" " "
-1790	" " "
-1795	Sandy shale and fine sandstone
-1800	" " " " "
-1805	" " " " "
-1810	" " " " "
-1815	Hard slightly sandy micaceous shale
-1820	" " " " "
-1825	" " " " "
-1830	" " " " "
-1835	" " " " "
-1840	" " " " "
-1845	Fine sandstone and shale
-1850	Shale and fine sandstone
-1855	Slightly micaceous shale
-1860	" " " "
-1865	" " " "
-1870	" " " "
-1875	Shale and carbonaceous shale
-1880	Shale and coal
-1885	" " "
-1890	Shale and white sandstone
-1895	White sandstone and shale
-1900	" " "
-1905	" " "

[Belper Lawn Coal] No. 915
[Bough Beck] No. 916

/1910

Pt.	
-1910	Fine white sandstone
-1915	" " "
-1920	" " "
-1925	" " "
-1930	" " "
-1935	" " "
-1940	" " "
-1945	" " " and little shale
-1950	" " "
-1955	" " "
-1960	" " "
-1965	" " " and shale
-1970	" " " "
-1975	Sandy shale and white sandstone
-1980	Sandy shale
-1985	" "
-1995	" "
-2005	Shaly sandstone and fragments white sandstone
-2010	" "
-2020	" "
-2030	" "
-2035	Sandy shale
-2040	" "
-2045	Fine sand, shale and cement
-2050	" " " " "
-2055	" " " " "
2065-2085	Fine sandy micaceous shale
-2090	" " " " and shale cavings
-2100	" " " "
-2110	" " " "
-2120	" " " "
-2125	" " " "
-2130	" " " "
-2140	" " " "
-2150	Sandy shale
-2155	" "
-2165	" "
-2180	" "
-2185	" "
-2190	" "
-2195	Blue shale
-2200	" "
-2210	" "
-2215	" "
-2225	" "
-2235	Sandy micaceous shale
-2245	" " "
-2255	" " "
-2260	" " "
-2265	" " "
-2270	" " "
-2275	" " "
-2285	" " "
-2290	" " "
-2295	" " "
-2300	" " "
-2310	" " "
-2315	" " "
-2325	" " "
-2330	" " "
-2335	" " "
-2340	" " "



Ft.				
-2345	Sandy micaceous shale			
-2355	12	17	17	
-2360	12	16	17	
-2365	12	17	17	
-2375	12	18	18	
-2380	12	18	18	
-2385	12	18	18	
-2390	12	18	18	
-2395	12	18	18	
-2400	12	18	18	
-2410	Blue shale			
-2415	Sandy micaceous shale			
-2425	Dark blue shale			
-2430	Hard blue sandy micaceous shale			
-2440	12	18	18	18
-2445	12	18	18	18
-2450	12	18	18	18
-2455	12	18	18	18
-2460	12	18	18	18
-2465	12	18	18	18
-2475	12	18	18	18
-2480	12	18	18	18
-2485	12	18	18	18
-2495	12	18	18	18
-2500	12	18	18	18
-2505	12	18	18	18
-2510	12	18	18	18
-2515	12	18	18	18
-2520	12	18	18	18
-2525	12	18	18	18
-2535	12	18	18	18
-2540	12	18	18	18
-2550	12	18	18	18
-2560	12	18	18	18
-2570	12	18	18	18
-2575	12	18	18	18
-2580	12	18	18	18
-2585	12	18	18	18
-2595	Blue slightly calcareous shale			
-2600	12	18	18	18
-2610	12	18	18	18
-2615	12	18	18	18
-2625	12	18	18	18
-2630	12	18	18	18
-2640	12	18	18	18
-2645	12	18	18	18
-2650	12	18	18	18
-2665	12	18	18	18
-2670	12	18	18	18
-2675	12	18	18	18
-2685	12	18	18	18
-2690	12	18	18	18
-2695	12	18	18	18
-2705	12	18	18	18
-2710	12	18	18	18
-2715	12	18	18	18
-2720	12	18	18	18
-2730	12	18	18	18
-2735	12	18	18	18
-2740	12	18	18	18
-2750	12	18	18	18
-2755	12	18	18	18
-2765	12	18	18	18

/2770



Pt.

-2770	Blue slightly calcareous shale			
-2775	"	"	"	"
-2780	"	"	"	"
-2790	"	"	"	"
-2795	"	"	"	"
-2800	"	"	"	"
-2810	"	"	"	"
-2818	"	"	"	"

C.N.B.

25/3/28.



SK 46 SW/2

THIRD LIST OF SAMPLES.

NO. 2 WALL, HARTSTOFT.

Ft.

2818-2825	Hard dark grey-blue shale, slightly calcareous; spacs. of pyrites			
2830	ditto			
2835	"			
2845	"			
2850	"			
2860	Softer	"		
2865	"	"		
2870	"	"		
2875	"	"		
2880	"	"		
2890	"	"		
2895	"	"	traces of bitumen	
2900	"	"	"	"
2910	"	"		
2920	"	"		
2925	"	"		
2930	"	"		
2935	"	"		
2940	"	"		
2942	"	"		
2950	"	"		
2955	"	"		
2960	"	"		
2965	"	"		
2970	"	"		
2973	"	"		
2975	Harder	"	traces of bitumen	
2985	"	"	"	"
2990	"	"	"	"
2995	"	"	"	"
3000	Hard dark grey-blue shale, slightly calcareous			
3007	"	"	"	"
3012	"	"	"	"
3020	"	"	"	"
3025	"	"	"	veined calcite
3030	"	"	"	"
3040	"	"	"	"
3047	"	"	"	"
3051	"	"	"	"
3056	"	"	"	"
			traces of chert)
3058	Fine sand, minute quartz crystals with finely divided shale and little calcareous matter			
3060	Black shale and little grey limestone			
3063	"	"	"	"
3066	"	"	"	"
3070	Grey limestone and little dark shale			
3076	"	"	"	"
3082	"	"	"	"
3085	"	"	"	a little chert
3090	"	"	"	"



3092 Grey calcareous powder (: cement)
3096 "
3100 "
3105 " with shale and limestone
3110 " "
3115 " "
3120 Grey limestone; a fragment crowded with encrinite stems
3125 " and much fine quartz

C.N.B.
17/6/25.