

# Stationary Steam Engine Record - compiled by Peter Ellis

Name	Maple Brook PS - No 1	Installation	Pumping Station
Full name		Location	Cannock
Owner	South Staffordshire waterworks Company		
Type	Inverted Vertical Triple Expansion	Pumping Engine	
Builder	Galloways Limited, Manchester	Date	1910
High Pressure Cylinder - Dia x Stroke	22 x 48 inches	Corliss valves - Dobson-type trips on inlets	
Int. Pressure Cylinder - Dia x Stroke	35 x 48 inches	Corliss valves - Dobson-type trips on inlets	
Low Pressure Cylinder - Dia x Stroke	55 x 48 inches	Corliss valves - Dobson-type trips on inlets	
Pressure	160 lb/sq.in	Vacuum	
Speed	20 rev/min	Horse Power	
Governor			
Flywheel	14ft diameter - at each end of crankshaft	Barring engine	
Additional Valvegear details	Inlet valves on front of cylinders, exhaust at rear - two eccentrics per cylinder?		
Condenser/Air Pump	From LP crosshead		
Lift Pumps (Buckets)	2 - 15" x 60" stroke	On cranks, one each end of crankshaft outside flywheels	
Force Pumps (Rams)	3 - 13.5 x 48" stroke	On extension rods from crossheads	
Other Details			
Boilers	3 Lancashire boilers, 8' x 30'		