

# Report of Survey for Repairs of Engines and Boilers.

No. 218 on the S.S. "Orchis" Master Mitchell  
 No. in Reg. Book. 218 Survey held at Barrow & Liverpool Date, first Survey 15<sup>th</sup> October 1879 Last Survey 20<sup>th</sup> April 1880

Built at Glasgow When built 1870 - 11 mo.  
 Tons 1138 Owners A. Johnston & Co. Port belonging to Liverpool Classified 100A1.  
 Character in Register Book. Lloyd's M.C. 12.77

Diameter of Cylinders 1 of 34" 1 of 60" Engines made at Glasgow. When made 1870.  
 Length of Stroke 39" Pressure of Steam 75 By whom made Howden Mar. Boilers 1875  
 Registered Horse Power 200

Particulars of Repairs and Examination of Engines and Boilers in accordance with the requirements of the Rules for Special Survey No. 2 for Iron Vessels, — The cylinder covers and valve casing doors removed. Cylinders, pistons, piston rods, and valves examined and found in good order. Valve motion overhauled. Condenser, Air Circulating, feed and bilge pumps put in good order. Crank shaft examined and found good. Propeller shaft has not been drawn in at this time but appears to be in good order, and the outer bush not worn down  $\frac{1}{8}$ ". Sea cocks, chests and pipes in good order. Boilers opened out examined and found in thoroughly good condition. Safety valves examined and found satisfactory. Donkey Boiler examined and found fairly good. Steam was raised on Main and Donkey Boilers. Safety valves tested and boilers found tight.

The Machinery and Boilers of this vessel are now in a good and efficient condition and in my opinion entitle the vessel to retain the notification Lloyd's M.C. and to be marked from this date.

Port 12  
 Ship's Name  
 Report on St.  
 Report on M

The Amount of Fee ... £ 3 : 3 : - received by me, M.R.  
 Certificate (if required) ... £ : : - June 1880  
 (Travelling Expenses, if any, £ 2.10.0)  
 Committee's Minute Tuesday, August 17<sup>th</sup> 1880.

J. G. Wigham  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



The Machinery of the vessel has been  
examined in accordance with S.P. No 2  
and is reported to be in good condition.  
Submitted that she is eligible  
to remain as chartered and  
hence Lloyd's M.C. 4/80

M  
3-7-80

