

# REPORT ON MACHINERY.

BOOK CASE

9566

No. 9566 Port of Greenock  
 Received at London Office 10 AUG 31 1888  
 No. in Survey held at Greenock & Port Glasgow Date, first Survey 26<sup>th</sup> Decr 1877 Last Survey 28<sup>th</sup> Augt 1888  
 Reg. Book. on the "S.S. Lord Rosebery" (Number of Visits 78) Tons 1264.57  
807.68  
 Master J. Porteus Built at Port Glasgow By whom built Russell & Coy. When built 1888  
 Engines made at Greenock By whom made Kineaid & Coy. (Lim<sup>d</sup>) when made 1888  
 Boilers made at Glasgow By whom made H. Wallace & Coy. when made 1888  
 Registered Horse Power 98 Owners J. & C. Wylie Port belonging to London.

ENGINES, &c.—  
 Description of Engines Compound Inverted Direct Acting Triple Expansion  
 Diameter of Cylinders 17.28 & 45 Length of Stroke 36 No. of Rev. per minute 80 Point of Cut off, High Pressure 19 J. P. 20<sup>th</sup> Low Pressure 19  
 Diameter of Screw shaft 9 Diam. of Tunnel shaft 8 1/2 Diam. of Crank shaft journals 9 Diam. of Crank pins 9 1/2 size of Crank webs 10 1/2 x 6 1/2  
 Diameter of screw 12.0 Pitch of screw 14.9 No. of blades Four state whether moveable no total surface 53 1/2 square feet  
 No. of Feed pumps Two diameter of ditto 2 1/2 Stroke 36 Can one be overhauled while the other is at work yes  
 No. of Bilge pumps Two diameter of ditto 2 1/2 Stroke 36 Can one be overhauled while the other is at work yes  
 Where do they pump from Engine room & Cargo holds, after end of tunnel & sea  
 No. of Donkey Engines Two Size of Pumps 8 x 10 stroke & 3 x 3 stroke Where do they pump from Large size from sea and  
ballast tanks. Small size from sea. Bilges. Hot well & for ballast tanks.  
 Are all the bilge suction pipes fitted with roses yes Are the roses always accessible yes Are the sluices on Engine room bulkheads always accessible yes  
 No. of bilge injections one and sizes 4 1/2 Are they connected to condenser, or to circulating pump Circulating pump.  
 How are the pumps worked By crosshead.  
 Are all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks both.  
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the discharge pipes above or below the deep water line Away  
 Are they each fitted with a discharge valve always accessible on the plating of the vessel yes Are the blow off cocks fitted with a spigot and brass covering plate yes  
 What pipes are carried through the bunkers None How are they protected  
 Are all pipes, cocks, valves, and pumps in connection with the machinery accessible at all times yes  
 Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilges yes  
 When were stern tube, propeller, screw shaft, and all connections examined in dry dock On slip before vessel was launched.  
 Is the screw shaft tunnel watertight yes and fitted with a sluice door yes worked from Engine room top platform.

BOILERS, &c.—  
 Description See Glasgow Report attached Whether Steel or Iron  
 Working Pressure Tested by hydraulic pressure to Date of test  
 Description of superheating apparatus or steam chest  
 Can each boiler be worked separately Can the superheater be shut off and the boiler worked separately  
 Area of square feet of fire grate surface in each boiler Description of safety valves No. to each boiler  
 Area of each valve Are they fitted with easing gear No. of safety valves to superheater area of each valve  
 Are they fitted with easing gear Smallest distance between boilers and bunkers or woodwork Diameter of boilers  
 Length of boilers description of riveting of shell long. seams circum. seams Thickness of shell plates  
 Diameter of rivet holes whether punched or drilled pitch of rivets Lap of plating  
 Percentage of strength of longitudinal joint working pressure of shell by rules size of manholes in shell  
 No. of compensating rings No. of Furnaces in each boiler  
 Inside diameter length, top bottom thickness of plates description of joint if rings are fitted  
 Greatest length between rings working pressure of furnace by the rules combustion chamber plating, thickness, sides back top  
 No. of stays to ditto, sides back top If stays are fitted with nuts or riveted heads working pressure of plating by  
 rules Diameter of stays at smallest part working pressure of ditto by rules end plates in steam space, thickness  
 No. of stays to ditto how stays are secured working pressure by rules diameter of stays at  
 smallest part working pressure by rules Front plates at bottom, thickness Back plates, thickness  
 Greatest pitch of stays working pressure by rules Diameter of tubes pitch of tubes thickness of tube  
 Plates, front back how stayed pitch of stays width of water spaces  
 Diameter of Superheater or Steam chest length thickness of plates description of longitudinal joint diam. of rivet holes  
 No. of rivets working pressure of shell by rules diameter of flue thickness of plates If stiffened with rings  
 Between rings working pressure by rules end plates of superheater, or steam chest; thickness how stayed  
 Superheater or steam chest; how connected to boiler

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