

Report of Survey for Repairs of Engines and Boilers.

No. 336 on the Machinery of the S. S. Norman Monarch. (Received at London Office, 4. 6. 80)

No. in Survey held at London. Date, first Survey May 15th Last Survey May 28th 1880

(Number of Visits 6)

Tonnage, Gross <u>1482</u>	Built at <u>Middlesbro'</u>	When built <u>1875</u>
Ditto, Net <u>970</u>	Owners <u>Royal Exchange Ship Co.</u>	Port belonging to <u>Middlesbro'</u>
Diameter of Cylinder <u>30" & 57"</u>	Engines made by <u>Richardson & Sons</u>	When made <u>1875</u>
Length of Stroke <u>33"</u>	Boilers made by <u>Richardson & Sons</u>	When made <u>1875</u>
Pressure of Steam <u>65 lbs.</u>	If Surveyed Afloat or in Dry Dock <u>Dry dock & afloat</u>	Classed <u>90A1</u>
Registered Horse Power <u>150</u>		

Last Survey No. Port

Particulars of Repairs and Examination According to the requirements for Special Survey No 1. Vessel placed in dry dock. Examined sea connections, bolt heads for ballast suction much corroded, recommended gun metal bolts to be fitted which has been done. Propeller examined, found to be loose on shaft, tail shaft found to be down $\frac{5}{16}$ full. The bush has been lined up with lignum vitae and propeller refitted. Examined High pressure cylinder, packing ring found to be ~~was thin~~ and much open, recommended new tongue piece to be fitted, new packing ring fitted to Low Pressure piston. A crack was found in Low pressure cylinder face on each side of exhaust port, a brass pin $\frac{5}{8}$ dia. has been tapped in each. Crank shaft examined, a slight flaw found in After crank pin which has been marked for extension, this shaft has been lifted and brasses lined up, new brass rings fitted to thrust block. Air and circulating pumps examined and found to be in good condition. Bilge and Feed pumps examined, one new plunger fitted to bilge pump & new neck bushes, glands rebushed and plunger turned up. Boiler examined stay tubenuts found to be split and burnt in several places. Twenty stay tubes renewed fifteen stay rods and twenty five ordinary tubes renewed. Several seams in shell caulked. Donkey boiler

General Observations, Opinion, and Recommendation:— The Engines and Boiler of this ship being now in good and safe working condition are eligible in my opinion to be marked in the Register Book with Class B.M.S. 5.80

Entry or Registering Fee 1/6 £ 1 : 10 :
 Survey Fee ... 11/9 £ 5 : 5 : received by me,
 Certificate (if required) ... £ : 5 : 25 Oct 1880

(Travelling Expenses, if any, £)

Committee's Minute

Assigned

Geo. F. Wierman
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



Lloyd's Register
 Foundation

IRON 493-0051

26782 Inr

examined, found to be in fair condition.
Main Boiler Safety valves tested under steam to the
working pressure of 65 lbs. per sq. inch.

It is submitted that this
vessel is eligible to
have the registration
Belms 5-80
recorded in the
Register Book

1/11
1/6/88



© 2019

Lloyd's Register
Foundation