

Report of Survey for Repairs of Engines and Boilers.

No. 78.

No. in Reg. Book.

Survey held at *Newport Mon.*

Date, first Survey *10th March*

Last Survey *8th May*

1879

587 on the *Iron screw steamer "Tynedale"*

Master *Evans*

Built at *Sunderland*

When built *1868*

Tons *508*
325

Owners *Barrow & Continental*

Port belonging to *Barrow*

Classed

Years assigned.

Character in Register Book.

B1

6, 7, 8

Diameter of Cylinder

33"

Length of Stroke

18"

Engines made at

Kirkcaldy

When made

1875

Pressure of Steam

40 lb per sq. inch

Registered Horse Power

80

By whom made

J. Key

Particulars of Repairs and Examination

On account of damage sustained through grounding on the bar at Bilbao on the voyage from Bilbao to Newport Mon. on the 28th of February 1879 now done:

Engines were found considerably strained through working at full speed, whilst the ship was on the ground, and having been kept working at full speed, although no water could be got to the condenser and no feedwater to the boiler. Engines taken to pieces, and all working parts properly examined and adjusted. Three new shafts fitted, viz: a new crankshaft, a new intermediate shaft and a new propellershaft with propeller complete. Sternbush renewed, all sea connections cleaned and examined in drydock, also all pipes, cocks and valves in connection with them. New bottombrass of forward mainbearing and new top- and bottombrasses of centre mainbearing supplied. New condenser and new air- and circulating pump fitted. Two cotters for straps of connecting rods straightened, and both strapgibs and keys of crankpin made new. Both crossheads tested in a lathe, and also both pistons rods. New junkrings, bolts and guardrings fitted to both pistons. The centre pedestal of mainshaft properly secured. New slidevalve for forward engine supplied. Both feed- and bilgepumps, all pipes, valves and cocks in connection with them cleaned from mud and properly examined. All holding down bolts of engine framing drawn, tested and the defective bolts replaced by new ones.

Two patches in backend of furnace of Main boiler fitted, and a flaw in the back tubeplate repaired by fitting in a small dovetail piece from inside. Ten tubes taken out and replaced by new ones. 24 new rivets put in the bottom of boiler shell.

The Engines and Boiler are now in good condition and safe working order, and in my opinion can remain as classed.

The Amount of Fee ... £ 6 : 6/ :

Certificate (if required) ... £ : :

received by me,

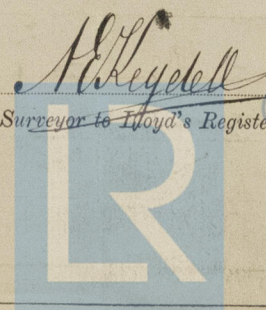
9/6 1879

(Travelling Expenses, if any, £ 3 : 10/)

Committee's Minute

18

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



Lloyd's Register Foundation

IRON 485-0209

The machinery of this vessel received heavy damage which has now been satisfactorily repaired, and renewed where needful.

The boiler has also been repaired.
It is submitted that the vessel is eligible to remain as classed and to be marked dp. 79 in red and B + MS 5.79 in red.

M 16.6.79

M. J. J. J.



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