

Report of Survey for Repairs of Engines and Boilers.

No. 27323

(Received at London Office,

22/12/80)

in Survey held at

Liverpool

Date, first Survey

8th Dec^r

Last Survey

13th Dec^r 1880

on the Machinery of the

Screw Steamer "El King"

(Number of Visits

three)

Displacement, Gross

2178

Built at

Glasgow

When built

1868

Ditto, Net

1707

Owners

Messrs. W. Ross & Co

Port belonging to

Glasgow

Diameter of Cylinder

21 1/2 x 50

Engines made by

Messrs. J. & F. Thomson

When made

1874

Length of Stroke

42"

Boilers made by

"

When made

1874

Pressure of Steam

50 lbs.

If Surveyed Afloat or in Dry Dock

Afloat

Classed

100 A1

Registered Horse Power

250

Last Survey No.

46425

Port

Liverpool

Particulars of Repairs and Examination

To ascertain the condition of the boilers.

Examined both boilers and steam chests, found the back end plates of combustion chambers much buckled in places, recommended that a hole be drilled in the centre of the buckled portion of the plate and found the thickness 1 1/16" pitch of stays being 9 1/2" with riveted heads recommended that the working be reduced to 50 lbs per square inch. Patches have been fitted where the back end plates were found cracked. In the Starboard boiler one patch 36" x 14" has been riveted to the back end plate opposite to the centre furnace and below the bridge, and a bolted patch 8" x 5" has been rejoined to the same back end plate of combustion chamber. 13 new stays with nuts have been fitted in this combustion chamber, and a rivet renewed in the front end of centre furnace. On the back end plate of combustion chamber in the Port boiler, two bolted patches were rejoined, 4 of the screw stays were renewed and fitted with nuts, 4 leaking stays and the edge of combustion chamber plating caulked where necessary, an additional stay rod 1 1/2" dia. fitted between the front and back tube plates. Boilers and Steam Chests tested with cold water to a pressure of 80 lbs per square inch, and with the exception of a leakage at one of the bolted patches in combustion chamber of Port boiler, proved satisfactory. A larger patch of thicker plate has been fitted, as recommended, in the place of the defective one, after which the engines and boilers were tried under steam and found to work well.

General Observations, Opinion, and Recommendation:—

The machinery and boilers of this vessel are now in safe working condition and under the vessel eligible, in my opinion, to retain her class in the Register Book. It is respectfully recommended that

Entry or Registering Fee

£

Survey Fee

£

4 : 4 : 0 received by me,

Certificate (if required)

£

5 : 0 : 0 21/12/1880

(Travelling Expenses, if any, £

Committee's Minute

Liverpool Dec^r 21 1880

Assigned

100 A1.

Boiler to be again

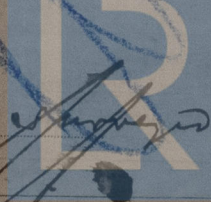
inspected

6 months from 12/80

B.S. 12-80.

Let to Owners 29/12/80

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



Lloyd's Register Foundation

Condition of Engines and Boilers, and of Machinery, to be clearly stated.

(Insert Character precisely as in the Register Book.)

IRON 47-0193

28649

the boilers should be examined again at the expiration of six months from this date. 13th December 1880.

J. Stoddart

This submitted that the vessel
is eligible to retain the
registration. By S. M. C. 579
and to have the record
B.S. 12.80 subject to the
Boilers being again
examined in 6
months from 13 Dec
1880

28649
G. H. King

M.
22/12/80

