

19701

Report of Survey for Repairs of Engines and Boilers.

(Rev 29/11/77)

No. in Book. 46 Survey held at *Larroux on 14th April* Date, first Survey *Oct 22nd 77* Last Survey *Nov 12th 1877*
 on the *S.S. "Elphinstone"* Master *Beale*
 Tons *1146* Owners *Hutchinson & Co. Ltd* Port belonging to *Newcastle* Classified *90 A1*
1701 m' h' type *5.76*

Diameter of Cylinders *30" & 60"* Engines made at *Newcastle* When made *1874*
 Length of Stroke *33"*
 Pressure of Steam *10 lbs* By whom made *Messrs Palmers Coy Limited*
 Registered Horse Power *140*

Particulars of Repairs and Examination *The Machinery of this Vessel damaged through colliding with the S.S. "Edgewater" as described in Damage report has been repaired & otherwise made good, including the High & low pressure cylinders which have been repaired so as to allow this Vessel to resume her work until new cylinders have been made. A new Crank Shaft has been fitted, instead of the fractured shaft, in examination of this new Shaft a flaw was detected in aft main bearing extending into Web of Crank, though not in my opinion at present of a serious nature it was marked for examination at a future date the makers Messrs Palmer & Co. were advised and it is recommended that it be examined at the end of Six Months. The whole of the Shafting was rebuilt and put in good working order.*

Besides the examination of Machinery on account of damage & repairs to same the Engines & Boilers at the request of the owner was examined with a view to certification of Machinery the Boilers & Superheater were found in good order also Steam Wreck Boiler. Spring Safety valves of Main Boilers tested under steam and set to safe working pressure. Safety valves of Steam Wreck Boiler examined & load on same checked. Screw Propeller & all connections to Engines and Boilers examined on Ships Bottom and found in good order.

Ballast pump suction valve in connection with Sea & Engine Room bilge made non return also Boiler Donkey Sea cock altered so that sea water cannot be run into Vessel through accident or neglect. Steam Stop valve on Wreck Boiler altered so that pressure of Steam in Main Boilers will be shut off Wreck Boiler the difference of pressure being 10 lb & 33 lb.

The Machinery of this Vessel is now in fair order & safe working condition and in my opinion P. J. O.

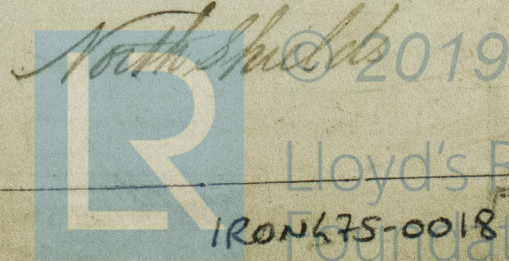
The Amount of Fee ... £ 3 : : : received by me, *George W. Marshall*
 Certificate (if required) ... £ 5 : 5 : : 20 Nov - 1877
 Damage survey 5 : 5 : :
 (Travelling Expenses, if any, £)

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

Committee's Minute

30th November,

1877.



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eligible to have the notification Lloyds M. C in the Register
Book subject to examination of crank shaft at the end of six
months also by miders.

George W. Mammel
Engt. Supervisor



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Foundation