

Rpt. 6.

For the information of Surveyors and the Committee only.

Received at

Office

10

Lloyd's Register of Shipping.

(Report on Vessel No.)

Port *Newcastle on Tyne*

No.

SHIP FORGINGS OR CASTINGS.

I have to report that the undermentioned Iron & Steel Forgings ~~or~~ Castings, manufactured by *The Darlington Forge Ltd* of *Darlington* for the Vessel No. *480*, being built by *Readhead & Sons* of *...* have been inspected by me as set forth below and found to be, so far as can be seen, *Sound*.

on Forgings or Castings.

Lloyd's

No. *480* *RD*

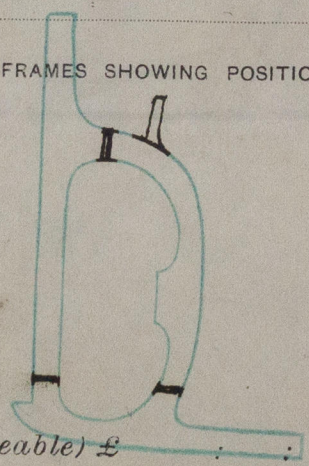
MR

M. Robertson

Built Darlington 16.4.25

	STERN FRAME.	RUDDER FRAME.	STEM.
Material* ...	<i>Scrap Iron & S.M. Pigot Steel</i>		
How made ...	<i>Forged</i>		
Dimensions ...	<i>10 3/4 x 10 1/4 x 7 1/4 x 9 1/4 x 7 1/4 x 9 1/4 inches to 4 1/16"</i>		
Process on Inspection ...	<i>Forged Smithed Forged Finished</i>		
When Inspected ...	<i>19.1.25, 10.2.25</i>	<i>13.2.25, 16.4.25</i>	
CASTINGS.			
Tests on Standard Test Pieces.		<i>Main piece</i>	<i>Stock</i>
Tensile Test—		<i>Test 432 = 32.0</i>	<i>452 = 31.8</i>
Stress per square inch ...		<i>29.0</i>	<i>30.0</i>
Elongation per cent. ...		<i>180</i>	<i>180</i>
Bending Test—			
Angle before fracture ...			
Test—			
Height from ground ...			
Measuring Test—			
Made according to Rules and found satisfactory ...		<i>Arms forged Scrap iron</i>	

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.



Fee (if any chargeable) £

To be paid at

* If of Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open Hearth process.