

Lloyd's Register of British & Foreign Shipping.

(Report on Vessel No. _____ Port Middlesbrough)

No. _____ SHIP ~~FORGINGS OR~~ CASTINGS.

I have to report that the undermentioned ~~Iron or Steel Forgings or Castings~~, manufactured by **Messrs. E. Jopling & Sons. Ltd.** of **Sunderland** for the Vessel No. 639, being built by Richardson, Duck & Co. of Thornaby have been inspected by me as set forth below and found to be, so far as can be seen, **sound**

Crosshead for steering gear being constructed by

J. Crawford & Sons Ltd Sunderland

M. Robertson

Sunderland 14. 2. 14

Mark on Forgings or Castings.

Lloyd's
No 464

102

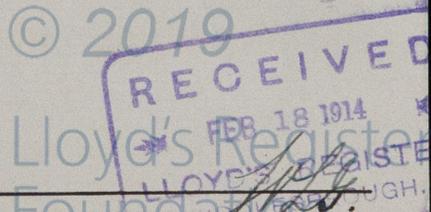
	STERN FRAME.	RUDDER FRAME.	STEM.	
Material*	/	S.M. Steel.	/	
How made		Cast.		
Dimensions				
Progress on Inspection		Hammering & testing.		
Date when Inspected		<u>11.2.14</u> & <u>12.2.14</u>		
CASTINGS.				
Tests on Standard Test Pieces.				
Tensile Test—				
Tons per square inch		<u>30-0</u>		
Extension per cent. <u>24 3/4</u>		<u>32-0</u>		
Cold Bending Test—				
Angle before fracture		<u>120</u>		
Drop Test—				
Height from ground				
Hammering Test—				
If made according to Rules and found satisfactory		<u>Yes</u>		

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

Cuts - gms - lbs
4 - 2 - 24

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.

Master Richardson Trade Co
W 639

Crosshead

St. Pontwin

Mat. Rpt. No. ~~84468476~~



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Foundation