

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

Mark on Forgings or Castings.

Lloyd's

No *464**102**M. Robertson*

Crosshead

Sunderland *14. 2. 14*

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

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.



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RECEIVED

FEB 18 1914

Lloyd's Register

FOUNDED 1776

Most Richardson Bros & Co
Nr 639

Crosshead

St. Pontwen

Mat. Rpt. No. 84468476



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Foundation