

## Lloyd's Register of Shipping.

(Report on Vessel No.

Port

Middlesbrough

No.

## SHIP FORGINGS OR CASTINGS.

I have to report that the undermentioned ~~Iron or~~ Steel Forgings & Castings, manufactured by The Darlington Forge Ltd. of Darlington for the Vessel No. 46, being built by Furness S. B. & Co. Ltd. of r have been inspected by me as set forth below and found to be, so far as can be seen, Sound.

Mark on Forgings or Castings.

Lloyd's

No. 4294D ✓

MR

M. Robertson

Upper portion

Lower portion

Darlington 5.6.23

STERN FRAME.

RUDDER FRAME.

Upper STEM.

Lower

Material*	...	Steel	S. M. Pigot Steel	S. M. Pigot Steel
How made	...	Cast & Annealed	Forged	Forged
Dimensions	...	Hanging sections	6 3/4" x 7" x 1 3/4"	
Progress on Inspection	...	Light, Forging, & Machining		
Date when Inspected		18.5.23 - 5.6.23	"	31.5.23 - 5.6.23
CASTINGS.				
Tests on Standard Test Pieces.				
Tensile Test—		Yld 79. 30.2	48. 28.0	158. 32.0
Tons per square inch		33.6	35.0	28.0
Extension per cent.				
Cold Bending Test—				
Angle before fracture		120	180	180
Drop Test—				
Height from ground		2 Brackets, Cast Steel	2 Brackets, Forged Steel	Lower portion Cast Steel
Hammering Test—		Yld 81. 31.6 Port	Yld 24. 32.0	Yld 85. 32.0
If made according to Rule and found satisfactory		28.0 120	30.0 180	23.0 120

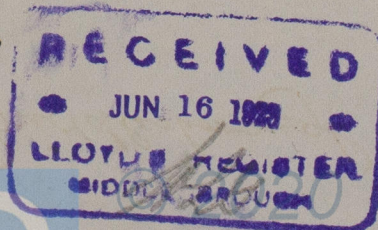
SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.

" 83 = 33.0 Stalk. 26 = 32.0  
27.0 180  
120

25.5.23  
6.6.23

25.5.23  
6.6.23

14.4.23  
5.6.23



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.



12-1  
~~S.S.~~ Princess  
M.D.B. RPT. No. 11920

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Lloyd's Register  
Foundation