

Engines made at *W. Hartlepool*  
Boilers made at *W. Hartlepool*

By whom made *Central Marine Engine Works*

when made

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

18 FEB. 1916

Office,

19

# Lloyd's Register of Shipping.

(Report on Machinery, No. *15253*, Port *West Hartlepool*)

*3349.*  
No. *3334.*

## ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by *Messrs. Burmeister & Wain* of *Copenhagen* for the Engines No. *273* being constructed by *Messrs. The Central Mar. Eng. Works.* of *W. Hartlepool* for the Ship No. *✓*, being built by *✓* of *✓*

have been inspected by me as set forth below, and found to be, so far as can be seen, *sound and free from defects.*  
*3 intermediate shafts.*

Mark on Forgings or Castings.

*Lloyd's R*  
No. *4748, 4749, 4750.*  
*1/15 C. K.*

*Copenhagen, 10<sup>th</sup> February 1916.*

*A. Knipfke.*  
SURVEYOR TO LLOYD'S  
REGISTER OF SHIPPING

	CRANK SHAFT.	STRAIGHT SHAPING.		
		THRUST SHAFT.	3 INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	/		<i>Armstrong S. M. 2 Steel.</i>	
How made			<i>Hydraulic forged.</i>	
Dimensions			<i>Diam. 11 3/4"</i>	
Progress on Inspection			<i>Forged &amp; rough turned.</i>	
Tests on Standard Test Pieces.			<i>No. 4748, 4749, 4750</i>	
Tensile Test—			<i>30.9 30.2 29.5</i>	
Tons per square inch			<i>38.2 37.8, 36.2</i>	
Extension per cent			<i>good.</i>	
Cold Bending Test—			<i>23/11, 25/4, 29/11. 15.</i>	
Angle before fracture				
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) *£1. 57. 60.*  
To be paid at *Copenhagen.*

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

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