

Received at

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## Lloyd's Register of Shipping.

(Report on Machinery, No. 5984

Port Copenhagen)

No. 4058.

## 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. ~~371~~<sup>826</sup><sub>697</sub> being constructed by Messrs. Burmeister & Wain of Copenhagen for the Ship No. ~~371~~<sup>17</sup>, being built by Messrs. ~~Burmeister & Wain~~ <sup>Crosby & Jones Co.</sup> of ~~Copenhagen~~ <sup>Wilmington</sup> have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects.

One built crank shaft with 3 cranks for Starboard main engine. (2 flange ends, 2 straight pieces, 3 pins & 6 webs) aftermost  $\frac{1}{2}$  length.

Mark on Forgings or Castings.

Lloyd's R  
No. 5581.  
3-19-6. K.

Copenhagen, 24<sup>th</sup> March 1919.

*W. H. Lifford*  
SURVEYOR TO LLOYD'S

		SURVEYOR TO LLOYD'S REGISTER OF SHIPPING		
		STRAIGHT SHAFTING		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	...			
How made ...	...			
Dimensions ...	...			
Progress on } Inspection }	...			
Tests on Standard Test Pieces.				
Tensile Test—	} See below.			
Tons per square inch ...				
Extension per cent ...				
Cold Bending Test—				
Angle before fracture ...				
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:— Forgings:—

2 flange ends, 2 straight pieces, 2 webs:— Tensile strength 28.4 Tons per sq. in., Elongation 41.3 % in 2 inches.  
 3 pins:— " " 27.0 " " " 41.1 % in 2 "  
 2 Webs:— " " 27.6 " " " 40.6 % in 2 "  
 2 Webs:— " " 27.1 " " " 39.2 % in 2 "

Bend tests good.

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.