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19

## Lloyd's Register of Shipping.

(Report on Machinery, No. 5984. Port Copenhagen.)

## No. 4037. 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. ~~314~~<sup>514</sup>~~627~~<sup>626</sup> being constructed by Messrs. Burmeister & Wain of Copenhagen for the Ship No. ~~314~~<sup>17</sup>, being built by Messrs. ~~Burmeister & Wain~~<sup>Cassidy & Jones, Ltd.</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 Port main engine.  
(2 flange ends, 2 straight pieces, 3 pins, 6 Webs).

Mark on Forgings or Castings.

Copenhagen, 14<sup>th</sup> January 1919.

A. C. Subich.

SURVEYOR TO LLOYD'S

REGISTER OF SHIPPING

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	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	Assumed S.M.S. Steel.			
How made ...	Hydraulic forged.			
Dimensions ...	Diam. 456 mm.			
Progress on } Inspection }	Forged & finished.			
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch ...	} See below.			
Extension per cent				
Cold Bending Test— Angle before fracture ...	good.			
Dates when Inspected	25/3, 10/4, 8/11.19			

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

2 flange ends, 2 straight pieces:— Tensile strength 29.6 Tons per sq. in., Elongation 40.6 % in 2 inches.  
3 pins:— " " 29.0 " " " " 41.1 % in 2 "  
2 Webs:— " " 28.4 " " " " 41.7 % in 2 "  
2 Webs:— " " 28.1 " " " " 41.5 % in 2 "  
2 Webs:— " " 29.7 " " " " 40.0 % in 2 "

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.