

TUE. NOV. 19 1920

Received at

Office,

10

Lloyd's Register of Shipping.

(Report on Machinery, No. 5984.

Port Copenhagen)

No. 4038.

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~~⁵⁶⁹⁶ being constructed by Messrs. Burmeister & Wain of Copenhagen for the Ship No. ~~314~~¹⁷, being built by Messrs. ~~Burmeister & Wain~~^{Pusey & Jones & Co.} of ~~Copenhagen~~^{Wilmington} 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.

Lloyd's R
No. 5562.
1.19. R.F.C.

Copenhagen, 15th January 1919.

A. C. Fitch.
SURVEYOR TO LLOYD'S

		REGISTER OF SHIPPING		
CRANK SHAFT.		STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	Annealed S.M. I. 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—	good.			
Angle before fracture ...				
Dates when Inspected	5/4, 16/4.18 8/1.19.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS: Forgings:—

2 flange ends, 2 straight pieces:— Tensile strength 29.1 Tons per sq. in., Elongation 39.2 % in 2 inches.
3 pins:— " " 29.0 " " " 41.1 % in 2 "
2 Webs:— " " 29.7 " " " 37.0 % in 2 "
2 Webs:— " " 29.4 " " " 38.2 % in 2 "
2 Webs:— " " 28.9 " " " 41.3 % 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.