

TUE. NOV. 19 1920

Lloyd's Register of Shipping.

(Report on Machinery, No. 5984

Port

Copenhagen.

No. 4059.

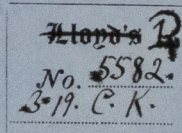
ENGINE FORGINGS OR CASTINGS.

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. ~~317~~³⁶⁷⁶₆₉₇ being constructed by Messrs. Burmeister & Wain of Copenhagen for the Ship No. ~~317~~¹⁷, being built by Messrs. ~~Burmeister & Wain~~^{Finsen & Sørensen. 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 Starboard main engine.

(2 flange ends, 2 straight pieces, 3 pins, 6 webs). Forward $\frac{1}{2}$ length.

Mark on Forgings or Castings.

Copenhagen, 24th March 1919.

		STRAIGHT SHAFTING.		
CRANK SHAFT.		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	Annealed S. M. S. Steel.			
How made ...	Hydraulic forged.			
Dimensions ...	Diam. 456 ^m / _{in.}			
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 ...				
Dates when Inspected	25/3, 7/5, 13/5, 7/6, 18/8, 13/9.			

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

2 flange ends, 2 straight pieces, 2 webs:— Tensile strength 30.0 Tons per sq. in., Elongation 39.8 % in 2 inches.
 3 pins:— " " 29.0 " " " 41.1 % in 2 "
 2 webs:— " " 30.8 " " " 39.2 % in 2 "
 2 webs:— " " 29.5 " " " 39.8 % 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.