

E. Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No.

Port

123.

Order 60685/60289

No. 16497

ENGINE FORGINGS OR CASTINGS

I have to report that the ~~XXXXXX~~ Steel Forgings ~~on Castings~~ as herein described, manufactured by Messrs. Haniel & Lueg of Düsseldorf-Grafenberg for the Engines No. 772 being constructed by John Dickinson & Sons, Ltd. of Sunderland for the Ship No. 501, being built by J. L. Thompson & Sons, Ltd. 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.

2 Propeller shafts, 1 Intermediate shaft

Mark on Forgings or Castings.

Lloyd's

No. 4641-2-3.

H.K.3.13.

Düsseldorf 26th. March 1913.

Ham-Kollman.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material*			annealed Siemens Martin Ingotsteel	
How made			forged	forged
Dimensions			13 1/2" diam.	15" diam.
Progress on Inspection			rough turned	rough turned
Tests on Standard Test Pieces.			No. 4641. diameter .798"	No. 4642 4643
Tensile Test—			31.3	29.9 30.4
Tons per square inch			28.1	31.6 34.6
Extension per cent			180 degr. good.	180 degr. good.
Cold Bending Test—			12. 14. 20/3.1913.	12.14.20/3.1913.
Angle before fracture				
Dates when Inspected				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £
To be paid at Düsseldorf

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

Lloyd's Register of British & Foreign Shipping.

Report on Machinery, No. Port

Order 80685/80282

ENGINE FORGINGS OR CASTINGS

... of Dusseldorf-Grotenberg
... being constructed by John Dickinson & Sons, Ltd.
... for the ship No. ... being built by
... of
... being inspected by me as set forth below, and found to be, so far as can
... sound and free from defects.

Propeller shafts, 1 intermediate shaft

Dusseldorf 28th. March 1913.

H.K.3.13.
4641-2-3.

STRAIGHT SHAFTING.			CRANK SHAFT.		
PROPELLER SHAFT.	INTERMEDIATE SHAFTS	THRUST SHAFT.	PROPELLER SHAFT.	INTERMEDIATE SHAFTS	THRUST SHAFT.
annealed Siemens Martin ingot steel			Material*		
forged			How made		
13 1/2" diam. 15" diam.			Dimensions		
rough turned			Processes or Inspection		
diameter .798" No. 4642 4643			Tests on Standard Test Piece.		
31.3 29.9 30.4			Tensile Test—		
28.1 31.6 34.6			Tensile per square inch		
180 deg. Good. 180 deg. Good.			Extension per cent		
12. 14. 20/3. 1913. 12. 14. 20/3. 1913.			Gold Bonding Test—		
			Kilns before fitting		
			Dates when inspected		

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS: