

Lloyd's Register of Shipping.

Order: 89548/
89613.

(Report on Machinery, No.

Port

No. 11414.

ENGINE FORGINGS OR CASTINGS

I have to report that the ~~Iron or Steel Forgings or Castings~~ as herein described, manufactured by Messrs. Haniel & Lueg G.m.b.H. of Düsseldorf for the Engines No. 860 being constructed by Messrs. WallSEND Slipw. & Eng. Co. of WallSEND for the Ship No. , being built by of have been inspected by me as set forth below, and found to be, so far as can be seen 3 Cross heads, 6 Journals, 3 Pins and 1 Propeller shaft sound and free from surface defects.

Mark on Forgings or Castings.

Lloyd's

No 1026/1027/1028.

J.Q.16.12.24.

Düsseldorf 17th December 1924.

Jul. Anack
Surveyor to Lloyd's Register

	CRANK SHAFT.	STRAIGHT SHAFTING.			
		3 cross heads 1026	6 journals 1027	1 PROPELLER SHAFT. 1028	
Material* ...		Annleed Siemens Martin Acid Steel			
How made ...		forged	forged	forged	
Dimensions ...		6" Ø	12 3/4" Ø	12 13/16" Ø	
Progress on { Inspection }		rough turned	rough turned	rough turned	
Tests on Standard Test Pieces.		.798 3"	.798 3"	.798 3"	
Tensile Test— Tons per square inch ...		37,-	28,9	30,7	
Extension per cent ...		26,-	33,8	31,3	
Cold Bending Test— Angle before fracture ...		180 degr. good	180 degr. good	180 degr. good	
Dates when Inspected		16.12.24.	16.12.24.	16.12.24.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The material for the cross heads has been ordered to special requirements.

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.