

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

(Report on Machinery, No. *14845*)

Port

WEST HARTLEPOOL.

Order 16785.

No. *18247*

ENGINE FORGINGS OR CASTINGS

I have to report that the ~~Iron or Steel~~ *Steel Forgings and Castings*, as herein described, manufactured by *Messrs. Gutehoffnungshütte, A.-V. of Oberhausen* for the Engines No. *2307* being constructed by *Messrs. Richardsons Westgarth & Co. of Hartlepool* for the Ship No. *Magdala*, being built by *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.*

1 intermediate shaft, 1 thrust shaft.

Mark on Forgings or Castings.

Lloyd's

No. *3593, 3594.*

M.B.1.14.

Düsseldorf, 3rd January 1914.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	/	annealed Siemens-Martin-Ingotsteel		
How made ...		forged	forged	
Dimensions ...		13 1/2" diam.	12 5/8" diam.	
Progress on Inspection }		rough turned	rough turned	
Tests on Standard Test Pieces.		diameter .798" No. 3594.	diameter .798" No. 3593.	
Tensile Test—		30.4	29.5	
Tons per square inch ...		31.5	31.5	
Extension per cent ...		180 degr. good.	180 degr. good.	
Cold Bending Test—		23,30/12.1913.2/1.1914.		
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.