

Received at.....Office.....

## K. Lloyd's Register of British &amp; Foreign Shipping.

Order 1652/53.

(Report on Machinery, No. W4404Port SunderlandNo. 10513.ENGINE FORGINGS OR CASTINGS

I have to report that the ~~Iron~~ Steel Forgings ~~or castings~~, as herein described, manufactured by Bochumer Verein für Gussstahl of Bochum, Westfalen for the Engines No. 1924 being constructed by North Eastern Marine Eng. Co. of Sunderland for the Ship No. 139, being built by Messrs. Craig Taylor & Co. of Thornaby on Tees 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 Crankpin. (1 forging)

Mark on Forgings.

Lloyd'sNo. 6453.

J.M.11.09.

Düsseldorf 12th. November 1909.

## STRAIGHT SHAFTING.

	CRANK SHAFT. <u>Annealed Siemens</u>	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<u>Martin Ingotsteel</u>			
How made ...	<u>forged</u>			
Dimensions ...	<u>13 1/8" diam.</u>			
Progress on { Inspection }	<u>rough turned</u>			
	<u>5. 11. 1909.</u>			
Dates when { Inspected }	<u>11. 11. 1909.</u>			

## PARTICULARS OF TESTS APPLIED TO CASTINGS:—

Tensile strength 31,2 Tons per square inch 29,6% Elongation in 3"  
diameter of sample .798"

Bend good.

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 Bessemer or the Siemens-Martin process.



for the information of Surveyors and the Committee

Order 1652/53. Report on Machinery. No. 10513.

ENGINE FORGINGS OF CAST IRON

I have to report that the Engine Steel Forgings xxxxxxxx as herein described manufactured by Bochumer Verein für Gussstahlwerk, Bochum, Westfalen for the Engines No. 1024 being constructed by North Eastern Marine Eng. Co. of Sunderland for the Ship No. 132 being built by Messrs. Craig Taylor & Co. of Thornaby on Tees 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 Crankpin. (If forging)

Düsseldorf 13th. November 1909.

[Signature]

Lloyd's No. 6453. J.M. 11.09.

Material	How made	Dimensions	Progress on inspection	Dates when inspected	PARTICULARS OF TESTS APPLIED TO CASTINGS		
					CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFTS
Martin Ingot steel	Forged	13 1/8" diam.	rough turned	5. 11. 1909.	Annexed Siemens		STRAIGHT SHAFTING

Tensile strength 31.8 Tons per square inch 29.6% Elongation in 3" diameter of sample .798"

Bend good.