

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

(Report on Machinery, No. 14401 Port Sunderland)

Order 1652/53.

No. 10492. ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the ~~Iron~~ Steel Forgings ~~or castings~~, as herein described, manufactured by Bochumer Verein für Gussstahl f. 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.

4 Journals.

Mark on Forgings.

Lloyd's

No. 4936-37.

K.H.11.09.

Düsseldorf 6th. November 1909.

## STRAIGHT SHAFTING.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
	<u>Annealed Siemens</u>	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>			
Dates when Inspected	<u>13. 10. 1909.</u>			
	<u>5. 11. 1909.</u>			

## PARTICULARS OF TESTS APPLIED TO CASTINGS:—

4936. 2 Journals 28,7 Tons per square inch 34,2% Elongation in 3"

4937. 2 Journals 30,9 Tons per square inch 30,3% Elongation in 3"  
diameter of sample .798"

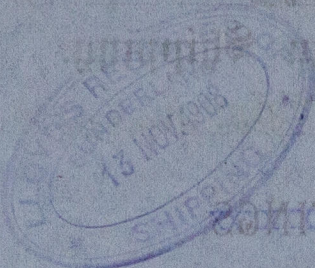
Bends good.

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.





Port

Report on Machinery No.

Order 1882/53.

No 10492.

# ENGINE FORGINGS OF CASTINGS

I have to report that the ~~XXXXXX~~ **XXXXXX** as herein described manufactured by **Bochumer Verein für Gußstahl f. u. Maschinenbau** being constructed on **North Eastern Marine Eng. Co.** for the **XXXXXX** No. **139** being built by **Sunderland Messrs. Gray Taylor & Co.** of **Thoraby on Tees** has been inspected by me as set forth below, and found to be so far as can be seen, sound and free from defects.

4 Journals.

Düsseldorf 6th November 1909.

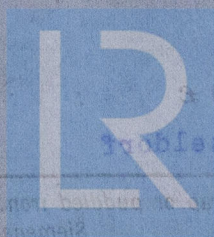
No 4936-37.

K.R. 11.09.

Material	How made	Dimensions	Progress on Inspection	Date when Inspected	PARTICULARS OF TESTS APPLIED TO CASTINGS			
					PROPELLER SHAFT	INTERMEDIATE SHAFTS	CRANK SHAFT	THRUST SHAFT
Martin's	Forged	13 1/8" diam.	rough turned	13. 10. 1909.				
				5. 11. 1909.				

4936. 2 Journals 28 7/8 Tons per square inch 24 3/8 Elongation in 3"  
4937. 2 Journals 30 9/16 Tons per square inch 30 3/8 Elongation in 3"  
diameter of sample .798"

Tends good.



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Foundation