

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office.

19

Lloyd's Register of Shipping.

Order: 619.

(Report on Machinery, No.

Port

)

No. *20742*

ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or ~~castings~~, as herein described, manufactured by **Messrs. Hoerder Verein** of **Hoerde** for the Engines No. **626** being constructed by **Messrs. Vickers Ltd.** of **Barrow** for the Ship No. *replace shaft Mr. "Modavia"*, being built by *Glasgow* have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to **Barrow**.

Work on Forgings or Castings.

Düsseldorf 30th April 1928.

Lloyd's
No. **7991**.
M.B. **28.4.28**.

1 four throw built up crank shaft with

	CRANK SHAFT		CRANK SHAFT		JOURNALS		PINS	
	2 crank throws		2 crank throws		2 journals		3 pins	
Material*	Annealed		Siemens		Martin		Ingot Steel	
How made	forged		forged		forged		forged	
If Annealed	Yes		Yes		Yes		Yes	
Dimensions, Forgings								
Weight, Castings								
Progress on Inspection	rough turned and finished		rough turned and finished		rough turned and finished		rough turned and finished	
Tests on Standard Test Pieces.	.798	3"	.798	3"	.798	3"	.798	3"
Tensile Test—	30,2 28,1		28,8 30,2		31,9		31,3	
Tons per square inch	30,7 30,7		30,7 28,0		26,7		26,7	
Extension per cent								
Cold Bending Test—	180 degr. good		180 degr. good		180 degr. good		180 degr. good	
Angle before fracture								
Dates when Inspected	28.4.28.		28.4.28.		28.4.28.		28.4.28.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at **Düsseldorf**.

* If of wrought iron, state whether open hearth process.