

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

Hull s/s "Liberty"

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 18

# Lloyd's Register of British and Foreign Shipping.

(Report on Machinery, No. 7196 Port \_\_\_\_\_)



## No. 104 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or~~ <sup>and</sup> Steel Forgings ~~or~~ Castings, as herein described, manufactured by Messrs John Spencer & Sons of Newburn for the Engines No. 330 being constructed by Messrs Earles & B Co of Hull for the Ship No. 330, being built by Messrs Earles & B Co of Hull have been inspected by me as set forth below, and found to be, so far as can be seen, sound

Mark on Forgings.

Lloyd's  
No. 1939A  
It

John B Craig  
Newcastle

Direct Patent

19/10/89

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* - - -	<u>Cranks 9/16" Siemens cast steel</u> <u>Shaft Siemens forged steel</u>			
How made - -	<u>Built</u>			
Dimensions - -	<u>10 3/4</u>			
Progress on In- spection - - -	<u>Cast &amp; Finished</u>			
Dates when In- spected - - -	<u>July 26 August 6</u> <u>October 17/89</u>			

### PARTICULARS OF TESTS APPLIED TO CASTINGS:-

One piece 8" long and 1 1/4" Dia cut from each crank & was bent through an angle of 90° without showing any sign of fracture

Tu L 1-1-0 applied for here



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\*If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Bessemer or the Siemens-Martin process.

Hull 402-0123