

Built at Grangemouth. By whom built Greenock & Grangemouth

Engines made at Sunderland & Shields By whom made Richardsons Westgate Rd

Boilers made at Grangemouth By whom made Grangemouth

"Oneida"

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office \_\_\_\_\_ 19\_\_

# Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 23823 Port Sunderland)

## No. 2505 ENGINE FORGINGS OR CASTINGS.

I have to report that the Iron or Steel Forgings or Castings, as herein described manufactured by John Purden & Son of Glasgow for the Engines No. 287 being constructed by Richardson Westgate & Co of Sunderland for the Ship No. 309, being built by James Grangemouth & Co of Grangemouth have been inspected by me as set forth below, and found to be, so far as can be seen, Sound

Alexander Fletcher  
Glasgow, 9/7/1908.

Lloyd's  
No. 2505  
A.F.

	CRANK SHAFT. <u>webs Iron</u>	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material	<u>S. &amp; W. Ingot Steel</u>			
Grade	<u>Forged</u>			
Dimensions	<u>7/4 dia</u>			
Process of Manufacture	<u>Forging &amp; Finishing</u>			
When tested	<u>8/6/08 &amp; 9/7/1908</u>			

PARTICULARS OF TESTS APPLIED TO CASTINGS:-

Wt. per Sq. In.	On _____ In. In Inches.	Result
<u>30.2</u>	<u>35-0</u>	<u>180%</u>

Fee (if any chargeable) £ NIL (Vessel Classed)

To be paid at \_\_\_\_\_

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

Thickness of girder at centre \_\_\_\_\_ Length as per rule \_\_\_\_\_ Distance apart \_\_\_\_\_ Number and pitch of stays in \_\_\_\_\_

Working pressure by rules \_\_\_\_\_ Superheater or Steam chest; how connected to boiler \_\_\_\_\_ Can the superheater be shut off \_\_\_\_\_

Material \_\_\_\_\_ Diameter \_\_\_\_\_ Length \_\_\_\_\_ Thickness of shell plates \_\_\_\_\_ Material \_\_\_\_\_ Description of longitudinal \_\_\_\_\_



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Sunderland

Thickness  
 Range of tensile strength  
 Descrip. of riveting long. seams  
 Length



1908  
 CORR

*Handwritten notes in cursive script, including 'No. of Bilg' and 'No. of Do'.*

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*Extensive handwritten notes in cursive script covering the majority of the page, including technical details and calculations.*

When received,  
 17/10/1908

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

FRI. 16 OCT 1908

Engines m  
 Boilers m  
 Registered  
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