

For the information of Surveyors and the Committee only.

*S.S. Silverland*

Office FEB -3 1939 19

# Lloyd's Register of Shipping.

(Report on Machinery, No. 39593 Port Sligo)

## No. F285. ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the Forgings ~~Castings~~, as herein described, manufactured by MESSRS. MITCHELL, SHACKLETON & Co. LTD. of PATRICROFT.  
 for the <sup>AUXILIARY</sup> Engines No. 44688/9, being constructed by MESSRS THE NATIONAL GAS & OIL ENG. Co. LTD.  
 of ASHTON - UNDER - LYNE. for the Ship No. 588 "SILVER LAUREL", being built by  
MESSRS. J. L. THOMPSON & SONS. of SUNDERLAND.

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 FITTED IN ENGINES No. 44688/9.

Mark on Forgings ~~Castings~~

Lloyd's  
 No. 9458 9459 9465  
 GRC. 6.1.39. GRC. 4.1.39. J.H.L. 13.1.39.

*George R. Chappell & Co. Limited*  
*Manchester.*  
*1.2.39.*

|                                    | CRANK SHAFT.<br>No 9458.<br>FLYWHEEL SHAFT. | THRUST SHAFT.<br>CRANKSHAFT.<br>No 9459. | INTERMEDIATE SHAFT.<br>6. CONNECTING RODS<br>No 9465. | TUBE SHAFT.<br>SCREW SHAFT. |
|------------------------------------|---|--|---|-----------------------------|
| Material                           | FORGED.                                     |  |   |                             |
| Grade                              | D.H. INGOT STEEL.                           |  |   |                             |
| Heat-treated                       | YES.  |  |   |                             |
| Dimensions                         | Ps. 5 1/2" Js. 5 5/8"                       | Ps. 5 1/2" Js. 5 5/8"                    | ✓   |                             |
| Weight } Forgings                  | 6" 3" 4"                                    | 6" 3" 4"                                 | ✓   |                             |
| Weight, Castings                   | ✓   | ✓  | ✓   |                             |
| Progress on Inspection             | BLACK, ROUGH                                | FINISHED MACHINED.                       |   |                             |
|                                    | <u>No 9458</u>                              | <u>No 9459</u>                           | <u>No 9465.</u>                                       |                             |
| <b>TEST RESULTS.</b>               |   |  |   |                             |
| Ultimate Tensile. Tons per sq. in. | 39.8  | 39.8                                     | 28.8  |                             |
| Yield Point. Tons per sq. in.      | 22.4  | 23.6                                     | 17.8  |                             |
| Extension per cent on 2 inches     | 24  | 24.5                                     | 30  |                             |
| Red. of Area %                     | 41.6  | 43.6.                                    | 59.2.   |                             |
| Cold Bending Test                  | 180°  | 180°                                     | 180°  |                             |
| Dates when Inspected               | 13/12/38 To                                 | 4/1/39.                                  | 20/12/38 To 2/1/39.                                   |                             |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) ✓

To be paid at ✓

\* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process