

Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. _____ Port _____)

No 228

SHIP FORGINGS ~~AND~~ CASTINGS.

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

I have to report that the undermentioned ~~Iron~~ ^{and} Steel Forgings ~~or~~ Castings, manufactured by Barrow Hematite Steel Co. Ltd. of Barrow for the Vessel No. B, being built by Messrs Harland & Wolff of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Sound and Satisfactory

Mark on Forging & Castings

Lloyd's
No. 228
% 133
139
239
244

Jas Easthope.
Barrow in Furness

| | STERN FRAME. | RUDDER FRAME. | STEM. |
|------------------------|--|---|--|
| Material* | <i>in two pieces</i> Siemens Martin Steel | <i>Stock</i> Siemens Martin Steel | Siemens Martin Steel |
| How made | Cast & annealed | Rudder cast & annealed Stock forged | cast and annealed |
| Dimensions | | | |
| Progress on Inspection | cast machining and finished | Rudder cast machining and finished, Stock Rough forged machining and finished | cast machining and finished |
| Dates when Inspected | May 5 th to Aug 30 th 1897 | Sept 11 th to Dec 16 th 1897 | April 7 th to April 23 1897 |

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS, OR PARTICULARS OF TESTS APPLIED TO CASTINGS.

| Purpose | dia inches | area inches | ultimate Stress tons | | extension in 8 in | conting Cold. | |
|------------|---------------|----------------|----------------------|-------------|----------------------|---------------|------|
| | | | Total | Per sq inch | | area | Bend |
| Forepost | 1.01 | .801 | 24.5 | 30.6 | 21% | 50.6% | 160° |
| Stem Frame | 1.02 | .817 | 23.2 | 28.3 | 10% | 27.37 | 140° |
| Stem Post | 1.02 | .817 | 25.2 | 30.8 | 18% | 20.5% | 140° |
| Rudder | 1.02 | .817 | 25.2 | 30.8 | 24% | 48.2% | 135° |

Forepost raised 12 feet, 1st Piece Stem Frame to an angle of 45°, 2nd Piece 10 feet, Rudder 8 feet, and dropped, the whole being hammered and found Satisfactory

A + W's 'B'

Forgays + Castings

Stem Frame, Rudder

Frame + Stem

"Munmouth"

Ring

Ring

Various handwritten notes and numbers, including "12" and "11".

Faint handwritten notes and numbers, including "12" and "11".



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Lloyd's Register
Foundation

Handwritten signature or initials.