

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____

Office, _____

19 _____

Lloyd's Register of Shipping.

(Report on Machinery, No. _____

Port _____)

No. *996*

ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Forgings or Castings~~, as herein described, manufactured by *Messrs Harland & Wolff Ltd.* of *Belfast* for the Engines No. *863* being constructed by *Messrs Harland & Wolff Ltd.* of *Belfast* for the Ship No. *863*, being built by *Messrs Harland & Wolff Ltd.* of *Belfast* 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~~

Mark on Forgings or Castings.

CRANKSHAFTS THRUST & SCREW SHAFTS.

| | |
|---------------|---------------|
| Lloyd's | LLOYD'S |
| No. <i>47</i> | No. <i>48</i> |
| R.L.A. | R.L.A. |

Ree Annes
Belfast

| | 2 CRANK SHAFTS' PIECES | 2 THRUST SHAFTS | INTERMEDIATE SHAFT. 6 PISTON RODS | 6 CONNECTING RODS. | TUBE SHAFT. |
|--------------------------------|---|-----------------|-----------------------------------|--------------------|----------------|
| | FLYWHEEL SHAFT. | | | | 3 SCREW SHAFTS |
| Material* ... | <i>Siemens Open Hearth Steel</i> | | | | |
| How made ... | <i>Forged</i> | | | | |
| If Annealed... | <i>Yes</i> | | | | |
| Dimensions, Forgings | <i>7 3/4"</i> | <i>7 3/4"</i> | | | <i>8 1/2"</i> |
| Weight, Castings ... | | | | | |
| Progress on Inspection) | <i>Rough Forged, machined and finished.</i> | | | | |
| Tests on Standard Test Pieces. | <i>0695</i> | <i>0700</i> | <i>0701</i> | <i>0687</i> | <i>0688</i> |
| Tensile Test— | | | | | |
| Tons per square inch ... | <i>29.1</i> | <i>29.0</i> | <i>28.96</i> | <i>30.1</i> | <i>31.46</i> |
| Extension per cent ... | <i>32</i> | <i>32</i> | <i>30</i> | <i>32</i> | <i>30</i> |
| Cold Bending Test— | | | | | |
| Angle before fracture ... | <i>180°</i> | <i>180°</i> | <i>180°</i> | <i>180°</i> | <i>180°</i> |
| Dates when Inspected | <i>18th January 1929</i> | | | | |

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.