

For the information of Surveyors and the Committee only.

Received at

Office

9 NOV 1933

# Lloyd's Register of Shipping.

(Report on Machinery, No. 1916 Port Nag)

No. 689. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Mitsubishi Zosen Kaisha, Ltd. of Nagasaki. for the Engines No. 532 being constructed by Messrs. Nagasaki Works, of Mitsubishi Zosen Kaisha, Ltd. for the Ship No. 532, being built by them.

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 dispatched to

Six (6) Cross head Pins for Main Engine.

on Forgings or Castings.

Lloyd's

No. 689-A.B.C.D.E.F.

T.K. 6-5-33.

T. Kunishige

NAGASAKI. 8th May 1933.

|                                | CRANK SHAFT. | THRUST SHAFT                        | INTERMEDIATE SHAFT | TUBE SHAFT. |
|--------------------------------|--------------|-------------------------------------|--------------------|-------------|
|                                |              | Crosshead Pins.                     |                    |             |
|                                | WHEEL SHAFT  |                                     |                    | SCREW SHAFT |
| Material                       |              | High Carbon steel                   |                    |             |
| Made                           |              | Open Hearth Process                 |                    |             |
| Heat                           |              | Forged                              |                    |             |
| Inspected                      |              | Yes                                 |                    |             |
| Dimensions, Forgings           |              | 360 m/m dia.                        |                    |             |
| Weight, Castings               |              | /                                   |                    |             |
| Process on inspection          |              | Forged, while machining & finished. |                    |             |
| Tests on Standard Test Pieces. |              | 3 off.                              | 3 off.             |             |
| Impact Test—                   |              | CH-1A. 1B.                          | CH-2A. 2B.         |             |
| Strength per square inch       |              | 40.8 41.6                           | 44.4 44.4          |             |
| Tension per cent               |              | 27.1 26.0                           | 22.5 24.8          |             |
| Bending Test—                  |              | /                                   |                    |             |
| Angle before fracture          |              |                                     |                    |             |
| When Inspected                 |              | 25-1-33 to 6-5-33.                  |                    |             |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

(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.