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For the information of Surveyors and the Committee only.

Received at

Office,

19

## Lloyd's Register of Shipping.

(Report on Machinery, No. 974

Port Stettin,

No. 181. ENGINE ~~FORGINGS OR~~ CASTINGS.

I have to report that the ~~Forgings or~~ Castings, as herein described, manufactured by Messrs. A. Borsig G.m.b.H. of Berlin-Tegel, for the Engines No. 7970 being constructed by Messrs. A. Borsig G.m.b.H. of Berlin-Tegel for the Ship No. 302, being built by Messrs. Lübecker Maschinenbau Gesellschaft of Lübeck, 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

Lübeck: -- One Main stop valve, three branch pieces,  
Two H.P. pistons, two L.P. pistons. ----

on Forgings or Castings.

Stettin, 23rd June 1930.

Lloyd's

Nos. 430, 432/435.

S. 3.6.30. 16.6.30.

N. Schöne

|                                     | <del>CRANK SHAFT.</del>                              | <del>THRUST SHAFT.</del> | <del>INTERMEDIATE SHAFT.</del> | <del>TUBE SHAFT.</del>  |
|-------------------------------------|--|--------------------------|--------------------------------|-------------------------|
|                                     | Main stop valve.                                     | 3 branch pieces.         | 2 H.P. pistons.                | 2 L.P. pistons.         |
|                                     | <del>FLYWHEEL SHAFT.</del>                           |                          |                                | <del>SCREW SHAFT.</del> |
| Material                            | Siemens-Martin Steel.                                |                          |                                |                         |
| Made                                | Cast.  | Cast.                    | Cast.                          | Cast.                   |
| Realed                              | Yes.   | Yes.                     | Yes.                           | Yes.                    |
| Process, Forgings                   | Nos. 430.  | Marked "AS"              | Nos. 432-433.                  | Nos. 434-435.           |
| Material, Castings                  | -----  | -----                    | -----                          | -----                   |
| Process on Inspection               | In rough and finished condition.                     |                          |                                |                         |
| Dimensions on Standard Test Pieces. | .798" 3.-"   |                          |                                |                         |
| Weight per square inch              | 45.2 kgs/sqmm.                                       | 48.4 kgs/sqmm.           | 48.1 kgs/sqmm.                 | 50.- kgs/sqmm.          |
| Extension per cent                  | 34.5%  | 28.-%                    | 27.5%                          | 28.5%                   |
| Bending Test                        | All 180 degrees, satisfactory.                       |                          |                                |                         |
| Time before fracture                |  |                          |                                |                         |
| When Inspected                      | 8.1: 29.1: 13.2: 5.3: 8.4: 23.4: 20.5: 3.6: 16.6.30. |                          |                                |                         |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Drop- and Hammering tests satisfactory.

Main stop valve and branch pieces tested to 42 kgs. water pressure and found tight and sound. Marked: Lloyd's Test 42 kgs.  
N.S. 3.6. resp. 16.6.30. AS

(if any chargeable) £

To be paid at Stettin.

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

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