

S.S. 'TRESUS'W & T repairs :-

After end of screw shaft liner turned back approx. $\frac{1}{4}$ " for further examination of suspected fracture of shaft, and found satisfactory.

New bronze propeller fitted this time. Working propeller now placed on board as spare.

Identification marks of new propeller

Lloyds 2268 G.A.B. 19/8/48 'Scimitar'
19.5' dia. 17.95' - 13.86' pitch 146.4 sq. ft. Surface

Main injection valve chest wasted around valve seat housing. Wasted parts now covered with cement, reinforced by steel stud pegs and wire gauze, and two coats of 'Epoxior' applied to water side of valve chest.

Main circulating pump impeller, shaft and sealing rings renewed.

The outboard generator, which was reported to be exceptionally noisy in service, has been checked for alignment and vibrograph records were taken. As an experiment, the gearing was changed over in each generator and vibrograph records were taken. The findings of these tests proved that the balance of the turbine rotors, gearing and generators were satisfactory, but indicated no reason for the excessive noise. The gears were afterwards refitted in their original positions. The gear show no sign of uneven or excessive wear, and there is no serious depreciation of the tooth bearing surface. It is generally believed that the outboard generator gearing has always been very noisy. The owners supt. stated that a new set of gearing has been ordered for the outboard generator, and will be fitted first available opportunity.

Gearing meanwhile efficient.

Port boiler :- Approx. 50% air pre-heater tubes - holed - renewed.

Low water alarm and oil fuel shut off valve installation fitted this time in accordance with the Rules.

Identification marks on low water alarm unit :-

J.B.G. Weirs No 227036 LLOYDS A.R.S.
51048 T20. Tested. 1340 lbs.

Steam (steel) pipes stamped LLOYDS TEST 1500 lbs. ¹⁴ H.W.

Minor repairs effected to boiler mountings.

Starboard boiler :- A bottom row of water tubes - distorted and several blistered - renewed.

Approx. 25% air pre-heater tubes - holed - renewed.

Low water alarm and oil fuel shut off valve installation fitted this time in accordance with the Rules.

Identification marks on low water alarm unit :-

J.B.G. Weirs No. 227036 LLOYDS A.R.S.
51048 Tested 1340 lbs.

Steam (steel) pipes stamped LLOYDS TEST 1500 lbs. ¹⁴ H.W.

Minor repairs effected to boiler mountings.

On completion of repairs examined main and auxiliary machinery under working conditions and found efficient.

Thos. W. White.

SURVEYOR TO LLOYD'S REGISTER
NEWCASTLE-ON-TYNE



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Lloyd's Register
Foundation

— T.E.S. "TRESUS" —

SURVEY OF ELECTRICAL INSTALLATION.

ALL ENGINE-ROOM MOTORS OPENED UP FOR EXAMINATION, GREASE REMOVED FROM WINDINGS, AND WINDINGS REVARNISHED. MAIN PROPULSION MOTOR OPENED UP FOR EXAMINATION AND FOUND SATISFACTORY/. ROTOR OF MAIN PROPULSION ALTERNATOR DRAWN OUT OF STATOR, ROTOR AND STATOR EXAMINED AND FOUND SATISFACTORY/. THE PUMP ROOM MOTORS PUSH BUTTON CONTROL STATION REMOVED FROM ITS POSITION IMMEDIATELY ABOVE AND WITHIN FOUR FEET OF THE PUMP ROOM SKYLIGHT AND REPOSITIONED IN CROSS ALLEYWAY BESIDE CHIEF ENGINEERS ACCOMMODATION. ON COMPLETION ALL CIRCUITS MEGGER TESTED AND FOUND SATISFACTORY/.

P. J. Stone

SURVEYOR TO LLOYD'S REGISTER.
NEWCASTLE-ON-TYNE.