

G I B R A L T A R .

August 24th, 1923.

THIS IS TO CERTIFY that

W. J. Matthews,

the undersigned Surveyor to this Society did at the request of the Builders' Representatives and with the consent of the Commander, Captain A. Gibernau, and Messrs: J. Onetti & Sons, Agents, attend on board T.S.S. "ALFONSO XIII" 10137 tons gross of Barcelona, whilst in H.M. Dry Dock No.2, Gibraltar Dockyard from 17/8/23 to date in order to ascertain and report upon condition and repairs as detailed hereon, also recommended by the Surveyors to Lloyd's Register at Bilbao and Cadiz.

I found and report as follows:-

HULL.

1. Angles on shell at aftermost shaft stools, port and starboard, to be double rivetted to shell.
2. Defective rivets and seams in shell plating.
3. Coupling bolts on rudder stock to be hardened up.
4. Upper or locking pintle slack.

RECOMMENDATIONS & REPAIRS EFFECTED.

1. The plumber blocks were removed, and it was only possible to double rivet the outboard flanges and single rivet the inboard side owing to inaccessibility due to acuteness of the angles. Seven rivets on the outboard and five on the inboard.
2. All made tight and renewed as found necessary particular attention being drawn to one rivet renewed in shell, starboard side in Engineer's store.
3. On examination it was found necessary to renew two of the bolts and harden all up.
4. Hardened up.

(Continued).



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5. Bottom and underwater shell plating was heavily coated with shell and marine growth traces of light corrosion noted generally. Bottom sighted fair.
6. Two Downton pump sea suction valves and pipes connected to shell.
  - (a). Starboard side immediately above main injection.
  - (b). No. 2 plate from stem on E strake between eleventh and twelfth frames from forward.
7. Open ended rudder trunk fitted with horseshoe plate.
8. Two lines of zinc slabs fitted to three strakes of shell plating in way of the periphery of the propeller blades, the latter were scoured and polished at this docking.
9. Defective studs on main injection mountings at shell.
10. All sea connections in machinery and boiler space, except item (11) examined 20/8/23.
11. 24/8/23, Stone Lloyd ash discharge valve on bottom plating, fitted in D.B. under stokehold.
12. Emergency petrol electric light plant on boat deck. Air locks in petrol pipe found.
13. Water gauge fitting on forward starboard boiler and after centre boiler, one set on each out of action.
5. All loose composition and corrosion removed, thoroughly scraped and wirebrushed, afterwards coated with full coats of anti-corrosive and anti-fouling compositions, also painted to Owners' standard colours.
6. Examined whilst fitting and after satisfactory completion.
7. Tap bolted to shell plating and in order.
8. Ditto.
9. Four studs renewed on port side and five renewed on starboard, both now in good order.
10. Placed in good order, ground in, packed and rejointed.
11. Opened up for examination, placed in good order, blanked off for test before undocking. An improved spigot and distance piece is recommended and approved to facilitate disconnection for surveys and repairs.
12. Supply pipe arrangement altered engine tested under full load 45 amps (except W.T. connection owing to Dockyard regulations). Plant started up promptly and operated satisfactorily for intended service.
13. One set of each working efficiently, Builders state new fittings have been ordered from Dewrance & Co. m and are expected at an early date.

W. J. Matthews.  
W. J. MATTHEWS.

SHIP & ENGINEER SURVEYOR TO LLOYD'S REGISTER.

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