

Lloyd's Register of Shipping.



Port

WELLINGTON

6th September, 1938

This is to Certify that

I, GEORGE DAVID LIDGETT,

the undersigned Surveyor to this Society did at the request of the OWNERS, THE EASTBOURNE BOROUGH COUNCIL, hold a survey on the S. S. "MURITAI" of WELLINGTON, G.R. 462 TONS & No. 61490 IN REGISTER BOOK OF SOCIETY, on the 9th June 1938 and subsequent dates, the vessel then lying afloat at the Ferry Wharf, Wellington, and carrying on with the ferry runs, in order to examine and report on defective Seam Rivets in the Forward Boiler.

CIRCUMSTANCES: When testing and setting safety valves of the vessel's boilers after annual survey, it was noticed that there was a slight leak at the forward circumferential seam of the Forward Boiler; portion of lagging removed revealed a rivet with point cracked off.

EXAMINATION: The lagging was removed from the longitudinal and circumferential seams which at first disclosed 21 rivets in the forward circumferential seam, 6 starboard and 1 port in longitudinal seam, with defective points. These rivets were cut out, holes reamed out true and rivets renewed. While this work was being completed, a considerable number of rivet points cracked off. It was then found necessary to cut out all the rivets of the forward circumferential seam top part to 36 rivets below butt strap port side and 48 rivets below butt strap starboard side, including 6 outside row rivets in starboard longitudinal seam and 9 in port; total 158 in all.

A close examination of rivets and holes revealed that the rivet heads or points had been forced into the plate, some to the extent of $1/64$ " at the outer edge of the point and $1/8$ " at the shank thus: in some cases bulging the landing edge of the shell plate. The rivet holes were also stepped to a varying degree from $1/64$ " to $3/32$ ", the rivet bats being concentric to the shanks, in some cases just covering the shank on one side and extending over $3/4$ " on the opposite side.

RECOMMENDATION: Forward Boiler: All the defective rivets to be removed from the forward circumferential seam 143, also 9 from the port and 6 from the starboard longitudinal seams outside rows. All holes to be reamed out true and rivets renewed. Boiler afterwards to be tested to 225 lbs per sq. in. by water. Deck casing plate above boiler removed for access to be replaced. Boiler lagging to be renewed.

I hereby certify that the above work was carried out to my

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

satisfaction, workmanship and tests being satisfactory.
The Boiler is now in good condition.

Fee Charged £10. 10. 0.

George D. Lidgett

SURVEYOR TO LLOYD'S REGISTER
WELLINGTON · N.Z.

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