

COPY.

Lloyd's Register of Shipping.



Port LIVERPOOL.

12th June, 1940.

This is to Certify that

A.W.B. EDWARDS and H. TAYLOR

the undersigned Surveyors to this Society did at the request of the Chief Engineer attend on board the S.S. "HAKUSAN MARU", whilst lying afloat at Canada Dock, Liverpool and Vittoria Dock, Birkenhead on the 23rd May, 1940 and subsequent dates for the purpose of examining completion of repairs to No. 7 main boiler. It is stated that this boiler had been damaged through overheating, and certain repairs had already been carried out prior to the vessel leaving Japan. (For particulars of these repairs please refer to certificates issued by the Society's Yokohama Surveyor)

The following repairs have now been effected, examined on completion and found satisfactory:-

Port & Starboard wing furnaces renewed; new furnaces made by Messrs. Broomside Boiler Works, Motherwell, Lanarkshire. 3'-8½" internal diameter 21/32" thickness. Deighton corrugated type with Gourlay back ends.

Port & Starboard wing breast stays renewed.

Port tube nest:- 34 plain and stay tubes renewed.

Starboard tube nest:- 28 plain and stay tubes renewed.

Centre tube nest:- All tubes examined after being re-expanded and found tight and efficient.

Front end plate ^{cross} ~~and~~ seam and sundry other furnace and combustion chamber seams, rivets and stays recaulked locally.

On completion of the above mentioned repairs the boiler was subjected to a hydraulic test of 250 lbs. per sq. inch, examined and found tight and satisfactory.

The boiler was afterwards examined under steam and the safety valves adjusted to 200 lbs. per sq. inch.

This boiler in our opinion is now fit for its original working pressure of 200 lbs. per sq. inch.

A.W.B. Edwards & H. Taylor

SURVEYORS TO LLOYD'S REGISTER.
LIVERPOOL.

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."