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H

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.

31st August, 1915

Dear Sirs,

I duly received Mr. Boyd's letter of the 27th instant respecting the shafting and propeller of the S.S. "SPIRAL".

It is noted that the Owners are desirous of continuing the use of the present propellers which are 12 feet 6 inches in diameter, and with regard thereto I have to inform you that with a working pressure of 180 lbs per square inch and a propeller of 12 ft 6 inches diameter the Rules require that the diameter of the screw shaft should be 10.138", and in these circumstances the present propeller shaft which is only 9 $\frac{1}{8}$ " diameter could not be approved if the boiler pressure of 180 lbs is to be maintained, unless the diameter of the propeller is reduced to 11 feet. If however the working pressure of the boiler be reduced to 135 lbs per square inch, the present shaft and propeller may be retained. The Rules could be met by simultaneously reducing the diameter of the propeller and the boiler pressure, say to 11 ft 9 inches and 155 lbs respectively.

I am, Dear Sirs,

Yours faithfully,

The Surveyors,
WEST HARTLEPOOL.

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Foundation