

S.S. "SPIRAL"

This vessel was built in 1906 to class with the Nerske Veritas, and is now under survey at West Hartlepool with a view to classification in the Society's Register.

On the 17th instant the diameter of the screw shaft was approved provided the propeller was not more than 11 feet in diameter.

The Hartlepool Surveyors now state that the present and also the spare propeller are 12 ft 6 inches diameter. They are given to understand that the present propeller is of the same size as originally fitted. They add the Owners are desirous of continuing the use of the present propellers, and ask whether any modification in the diameter as given in the Secretary's letter of the 17th instant would be sanctioned.

It is submitted the Surveyors should be informed that with a working pressure of 180 lbs per square inch and a propeller 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 $\frac{5}{8}$ " diameter could not be approved if the boiler of 180 lbs pressure 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.

A.R.S.R.

31/8/15.

J.M.

Lvi: - 31/8/15



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