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NEWCASTLE-on-TYNE,

3rd November, 1921.

W.R. AUSTIN and J. MCMILLAN

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the Owners Superintendent survey the engines of the Screw Steamer "CHANNEL QUEEN" of London, 703 tons gross register to ascertain the nature and extent of damage stated to have been sustained by the main condenser on the 12th October, 1921 while on her first voyage from the Tyne to Calais, and damage to propeller from fouling mooring buoy whilst mooring alongside Shields Engineering Co's Wharf, North Shields, on the 17th October 1921.

For further particulars please see log book.

On the 18th October, 1921 and subsequently the vessel being then afloat in the Tyne and later in Messrs. Brigham & Cowan's Dry Dock, South Shields, made an examination and found a vertical crack in the back of the condenser four inches from the forward end of the outlet to the air pump. As the fracture extended into the bottom of the condenser and was inaccessible from the outside; it was recommended that the condenser tubes be drawn for further examination of the defect from the inside.

On subsequent examination found the vertical fracture on the condenser back to be about 8 inches long and it extended across the condenser bottom to its full width.

*of this vessel. Survey has been held with them re recommendations regarding the same*

*J.P.R.  
2-11-21*



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00465-00173-013812

A hole drilled in way of the fracture on the back shewed the metal to be only  $9/16$  of an inch full in thickness.

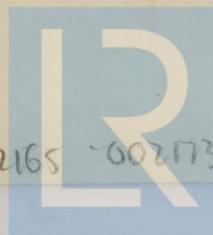
The propeller was found defective, one blade being broken off at root.

The undersigned recommended that a new condenser be supplied and fitted and if temporary repairs were required that a brass patch be fitted over the fracture in the inside and secured by set pins to enable the vessel to continue at work until the new condenser is made and ready for fitting. That the tail shaft be drawn for examination and propeller renewed.

The foregoing recommendations were made in order to put the machinery in good and efficient working order.

Fee £5:5:0.

Surveyors to Lloyd's Register.



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