

Lloyd's Register of British & Foreign Shipping.

Falmouth

1st December 1880

This report must bear only the signature of Surveyors to Lloyd's Register of Shipping.

This is to Certify that
 Lawrence Moreton the
 undersigned Surveyor to this Society did at the
 request of J. J. Vickers Esq. on behalf of
 the Royal Exchange Shipping Company (Limited),
 Survey the broken propeller of the
 S.S. "Assyrian Monarch" for the purpose
 of ascertaining the cause of the blades
 being broken. Also to report on the
 fitness of the new blades for the purpose
 intended.

On examination the blades of the
 propeller were found to be all broken
 in an angular direction, the remaining
 stumps measuring 2 feet from the roots
 on the leading edges, and 9 inches on the
 following edges. The thickness of metal
 in the centre of fracture being from 4 inches
 to $4\frac{1}{2}$ inches; the metal appeared to be good
 and perfectly sound in all the blades.
 Two deep indentations were found
 on the leading edges of two of the blades
 opposite to each other, apparently caused
 by their striking some hard and heavy
 substance

28556 Iron

substance. The boss of the propeller was found to be sound and unimpaired.

On examining the ships bottom it was found to be much scored and rubbed especially on the Port-side; a small rose over a pipe on the side was indented and choked with splinters of wood and oakum; another rose near this was broken off. I am therefore of opinion that the vessel has passed over and carried with it for some distance, large quantities of submerged wreckage which has come in contact with the propeller, thereby causing the damage.

Having examined, measured and calculated the strength of the new blades supplied by Earls Company. I find them, to all appearance to be perfectly sound and of ample strength for the work they are intended to perform.

Recommended that the new blades be fitted on to their places, and all other damage caused by the accident be made good, in order to put the vessel in as efficient a state as she was before the accident occurred.

Morton

Fees £ 3 - 3 - 0



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