

# Report of Survey for Repairs of Engines and Boilers.

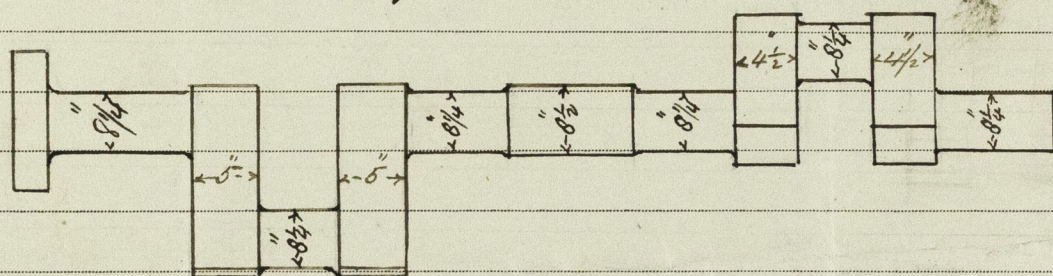
No. 19 (Rec. 3/5/77)  
 Reg. Book. Survey held at Newcastle Date, first Survey March 26<sup>th</sup> Last Survey April 18<sup>th</sup> 1877  
585 on the S. S. "Jubilee" Master Armstrong  
 Tons 496 Owners J. J. & Co. Ltd. Port belonging to London Classified 85 A1  
669 2.77

Diameter of Cylinders 24" & 44" Engines made at Sunderland When made 1867  
 Length of Stroke 30" Compounded 1873  
 Pressure of Steam 65 lbs By whom made North Eastern Marine Engineering Works Co.  
 Registered Horse Power 90

Particulars of Repairs and Examination The Engines of this Vessel have been fitted with a new Crank Shaft the original shaft having been seriously fractured during last voyage at After Crank Pin bearing, next web of After Crank, extending circumferentially about 18" necessitating its removal.

The Cranks of new shaft are set at the angle of 120° and measured at Bearings 1/2" in diameter and the two after cranks 1/2" thicker than original shaft.

New Crank Shaft



This shaft has been carefully fitted in line with Engines and the shafting all Main Bearing Brasses eased at ends to allow fore & aft play of shaft as far as circumstances would allow. The Low Pressure Cylinder has been examined and piston packing adjusted.

The Machinery of this Vessel is now in good order and safe working condition and I consider eligible to return her Certificate which was granted 23<sup>rd</sup> February-77.

The Amount of Fee ... £ 2 : 2 : received by me, P. Young  
 Certificate (if required) ... £ - : - : - 2 May 1877

(Travelling Expenses, if any, £ —)

Committee's Minute

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Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

North Shields

Lloyd's Register Foundation

IRON472-0233