

Report of Survey for Repairs of Engines and Boilers.

No. 164.

No. in Reg. Book. Survey held at *Hamburg* 3rd 4th 7th August Date, first Survey 3rd August Last Survey 7th August 1876.

09 on the Iron screw steamship "Memphis", Master: *Wilson* Tons 978

Owners *"Kosmos" S.S. Comp^y* Port belonging to *Hamburg* Classified Years assigned. Character in Register Book. 90 A 1. 7, 7 4.

Diameter of Cylinder 33" 61" Engines made at *Hartlepool* When made 1872
Length of Stroke 33" By whom made *Richardson & Sons*
Pressure of Steam 60 lbs
Nominal Horse Power 150

Particulars of Repairs and Examination

Engines: In examining the Engines no repairs of importance have been found necessary; all parts being found in best working condition. The cylinders & valve chests have been opened and properly cleaned and valves readjusted. All journals and bearings have been overhauled and the air-, circulating-, feed-, and bilge pumps have been cleaned & repaired where found necessary.

The propeller has been removed and the propeller shaft withdrawn in order to be properly cleaned and examined. After shaft and stern tube being found all right and in safe working condition it has together with the propeller been refitted.

Boilers: In examining the Boilers, I found both the main and the donkey boiler in first class condition yet. The only repair which the main boiler besides properly cleaning has received, or made necessary were two new tubes that had to be drawn in to replace two bad old ones.

The donkey boiler has also been properly cleaned and has received small repairs where found necessary.

In conclusion I beg to say that I consider the Engines & boilers in good order and safe working condition.

The Amount of Fee ... £ 3 : 15 : 0 received by me, }
Certificate (if required) ... £ : : 187 }
(Travelling Expenses, if any, £)

Committee's Minute

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



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