

Report of Survey for Repairs of Engines and Boilers.

No. 426 on the Machinery of the S. S. "Frankland"

(Received at London Office, 4th SEP. 82.)

No. in Reg. Book. 426 Survey held at London & Sunderland Date, first Survey May 5th Last Survey July 4th 1882
August 11th
 (Number of Visits 8+2)

Tonnage, Gross 706 Built at Sunderland When built 1869

Ditto, Net 541 Owners A. J. Morton & Co. Port belonging to Sunderland

Diameter of Cylinder 26 + 48 Engines Comp. f. Dickinson When made 1876

Length of Stroke 30 Boilers made by Ditto When made 1876

Pressure of Steam 65 lbs. If Surveyed Afloat or in Dry Dock Green's Dr. Dock Classed 90A1

Registered Horse Power 90 (State name of Dock.)

Last Survey No. Port

Particulars of Repairs and Examination After having been sunk by Collision

(State cause of Repairs.)

Vessel placed in dry dock, sea connections examined & where necessary cocks re-jointed to ship's bottom. The tail shaft has been tied up in larks, stern bush renewed & a new propeller fitted. Tunnel shafting readjusted. Crank shaft examined & found to be in good condition this shaft has also been tied up. Cylinders, Slides & Valve faces examined found to be in good condition. Pistons adjusted. Air, circulating feed & Bilge overhauled & new valves fitted where required. Boilers examined the seam of rivets connecting shell of boiler to tube plate at back end of fire found to be cracked between some of the rivets larger rivets have been fitted & the edges caulked, in both furnaces, the bottom of the boilers exposed to the fire and now in less out of shape. Twelve fire & aft stays in Steam space have been renewed & all the screwed stays in side pockets also renewed. Plates have been fitted round man holes doors where found to be corroded. Boilers retubed throughout & new stay tubes where required. Boilers tested with water to 100 lbs per sq. in & found to be satisfactory. Safety Valves examined found in good condition.

General Observations, Opinion, and Recommendation:— The machinery being now in good & safe working condition renders the vessel eligible in my opinion to be classed, provided that the Safety Valves be set to the Working Pressure of 65 lbs per sq. in. & that the Boilers be again surveyed within three months on acct. of their novel construction.

Entry or Registering Fee... £

Survey Fee (per Section 23)... £ 4

Certificate (if required) to be sent as per margin... £

(Travelling Expenses, if any, £)

Received by me, W. Allison & Geo. E. Dickinson 1st Sept. 1882

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

41695. Jan.

On setting the Safety Valves under steam the springs proved to be weak. New springs were ordered & intended to be fitted on the vessel's arrival at Sunderland.

New springs fitted in the safety valves of the main boilers. Steam raised and the valves adjusted to 65 lbs working pressure, and new rings fitted under the compression nuts.

This submitted that this vessel is
eligible to remain as classed
subject to the boiler being
renewed in 2 months.

M 4/9/02



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