

Report of Survey for Repairs of Engines and Boilers.

No. 4146 Report on engines of 1878
No. in Reg. Book. Survey held at Middlebro

Date, first Survey 29th Aug Last Survey 20th Feb. 1879

191 on the S. S. "Kerkehall"

Master

Built at Northfleet

When built 1870 - 10th mo

Tons 298
470

Owners E. Harris & Co

Port belonging to Middlebro

Classed S.P. No 2 - 78
Years assigned 1
Character in Register Book.

Diameter of Cylinder Two 12" & two 34"

Length of Stroke 24"

Engines made at Northfleet

When made 1870

Pressure of Steam 67 lbs

By whom made Allison, Noyes & Co

or B 1872

Registered Horse Power 70

Particulars of Repairs and Examination necessitated by damage caused through vessel stranding and by wear & tear

Vessel placed on slipway. Sea Cocks overhauled. Propeller out-tried. Condenser re-pointed to bed plate.

All the tubes which had to be drawn out of Condenser to admit of its being re-pointed, except about 50 which were renewed, now replaced. Pistons, slide valves and pumps overhauled. Rubber valves in circulating and air pumps partly renewed. Crank shaft stripped and examined. New brasses fitted to bottom end of after connecting rod. Forward crosshead repaired. Main safety valve tested under steam and found to blow off at a pressure of 67 lbs per sq. inch.

Several tubes renewed in main boiler. A few rivets, which were corroded at heads, removed out of seams in bottom of shell and screwed studs inserted in their place.

Some caulking done to seams in bottom of shell. Longitudinal stays in steam & water space corroded but still of sufficient strength for the working pressure.

The owners have agreed to submit the boiler again for examination by one of the Society's surveyors at the expiration of twelve months from the date of this survey.

The Machinery & boilers of this vessel are in good order and safe working condition and in my opinion eligible to remain as certified in the Register Book subject to their being examined when the next annual survey on the vessel is being held.

Damage Survey Fee £ 3 3 0
The Amount of Fee ... £ 1 : 0 : 0 received by me,
Certificate (if required) ... £ : : 1879

(Travelling Expenses, if any, £)

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

Committee's Minute



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Submarine
on board
1877 4.3.79

The Maching of this vessel has been
repaired in consequence of vessel
having stranded and done
considerable damage. The
Machining is reported to be
in good order but the
Boiler being 9
Years old it is
considered advisable
to have it again
inspected when
next Annual
Survey is
held.

