

Report of Survey for Repairs of Engines and Boilers.

No. *14* Received at London Office, *18/4/80*
 No. in Survey held at *Cardiff* Date, first Survey *18th February* Last Survey *22nd March* 1880.
 Reg. Book. *909* on the Machinery of the *Iron Screw Steamer Spartan* (Number of Visits *9*)
 Tonnage, Gross *1263* Built at *Glasgow* When built *1868*
 Ditto, Net *916* Owners *M. Sportali* Port belonging to *London*
 Diameter of Cylinder *36"* Engines made by *Blackwood & Gordon* When made *1868*
 Length of Stroke *42"* Boilers made by *"* When made *1875*
 Pressure of Steam *35^{lb}* ☒ Surveyed Afloat ☒ in Dry Dock *Commercial drydock* Years assigned *3, 79*
 Registered Horse Power *150* Character in Register Book *B 1*
 Last Survey No. *"* Port *"*

Particulars of Repairs and Examination on account of damage, sustained in consequence of forcing her way through ice, and an account of Survey No. 1.

Cylinder covers removed and cylinder, piston and slide valves examined. Crankshaft stripped and turned round for examination. all brasses overhauled and found in good condition. Propellershaft drawn and examined. Shafting relieved from crankshaft to propellershaft, the Thrustshaft having been out of line. Four pieces of lignum vitae fitted to stern bush, and propeller properly secured to tailshaft. All sea connections taken out cleaned and readjusted. Circulating and airpumps, bilge and feed pumps examined. A new discharge pipe fitted to forward bilge pump. Mainboiler examined inside & outside. Three riveted patches fitted to water bridge; three on top back end of furnace and one patch in side of furnace. New set of gauge glass fittings supplied. Mainboiler retested to 65^{lb} per sq. in. and working pressure reduced to 35^{lb} per sq. in. Safety valves examined and tested under steam at 35^{lb} per sq. in. Donkey boiler examined before it had been fitted on board. Four stays fitted from top of combustion chamber to top of boiler. Working pressure fixed at 40^{lb} per sq. in.

General Observations, Opinion, and Recommendation:— The Machinery is now in good condition and safe working order and in my opinion eligible to remain as cleared and signed M. C. noted in the Registerbook. On account of the construction of the boiler however, I feel to

Damage Fee *£ 3 : 3 :*
 Survey Fee *£ 4 : 4 :* received by me, *H. J. P.*
 Certificate (if required) *£ 2 : 2 :* *1/4 1880*
 Testing donkey boiler *£ 2 : 2 :*

Committee's Minute *18*
 Assigned

H. J. P.
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.
 Lloyd's Register Foundation
 1100491-0374

2616 Jan.

submit that the boiler should be examined again after a period of twelve months.

W.H.

S.S. 'Spartan'

The machinery of this vessel has been examined and repaired in accordance with S.S. No. 1 it is reported to be in good condition but owing to its peculiar construction it is recommended that the boiler be examined in 12 months - from 20 March 1889 and subject to this condition Lloyd's Reg. 3.88 be recorded.

W.H. 19.4.80

*W.H. Lloyd's Reg. No. 1
It is recommended
that the boiler be
examined in 12 months
from 20 March 1889
and subject to this condition
Lloyd's Reg. 3.88 be recorded.*



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Foundation