

Report of Survey for Repairs, &c., of Engines & Boilers.

(Received at London Office, T 9 1887)

No. *4490* Port of *Glasgow*
 No. in Survey held at *Do* Date, first Survey *21st January* Last Survey *28th Jan^y 1884*
 Reg. Book. *181* on the Machinery of the *S. S. Renfrewshire* (Number of Visits *5*)
 Year Month
 Tonnage, Gross *818* Built at *Port Glasgow* When built *1870-6*
 Ditto, Net *506* Owners *Bost & Yumer.* Port belonging to *Glasgow*
 Year
 Diameter of Cylinder *25 + 44* Engines made by *Blackwood & Gordon* When made *1872*
 Year
 Length of Stroke *30* Boilers made by *✓* When made *1882*
 Character in Register Book.
 Pressure of Steam *70 lbs* If Surveyed Afloat or in Dry Dock *Both Govan Dry Dock.* Classed *A. 1. 4-86*
 (State Name of Dock.)
 Registered Horse Power *96* *L. M. C. 4-82.*
 Last Survey No. _____ Port _____

Particulars of Repairs and Examination *Part Special Survey.*

(State clearly the cause of Repairs if any, and in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage should be separated from Repairs due to other causes. State also the dates and initials of any letters respecting this case.)

The cylinders, pistons, slide valves and donkey boiler examined - On account of the uneven wear of slide valve faces they have been filed up & the valves planed - new spindles have been fitted & the glands rebushed - A small fracture was found at edge of one bar of low-pressure valve face and repairs have been carried out.

The low-pressure piston ring was found to be worn very thin - it was broken in one place and had been repaired - a new ring has now been fitted - the piston was removed to shop and overhauled and the springs adjusted.

The shell crown plate of donkey boiler was found to be somewhat wasted by corrosion - holes were drilled and the thickness ascertained - About one half, including the thinnest places, has been doubled by a five sixteenth plate riveted outside through which the stays pass - Safety valve overhauled & adjusted under steam.

When the vessel was in Dry Dock the sea cocks & valves, propeller & fastenings were all examined.

General Observations, Opinion, and Recommendation:—

(State clearly what alteration, if any, is suggested to be made in the existing notification of the vessel's machinery in the Register Book, consequent upon this survey.)
 The above mentioned repairs have been satisfactorily carried out - Owing to the main boiler being required under steam no opportunity was afforded for the survey, and the Owners have arranged that this boiler, also the remainder of the engine, will be opened out for examination on the completion of this voyage - I am of opinion the machinery is eligible to remain as classed in the Register Book.

Submitted that this vessel is eligible to remain as classed
MD 3-2-87

Office or Registration Fee (per Sec. 27) £ : :
 Survey Fee (per Section 28) £ *2 : 2*
 Special Damage Fee (per Section 28) £ : :
 *Certificate (if required) £ : :
 Travelling Expenses (if chargeable) £ : :

received by me, *W*
2/21 1884

Walter E. Robson
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRIDAY 4 FEB 1887

Assigned

