

23856b

Report of Survey for Repairs of Engines and Boilers.

No.

No. in
Reg. Book.

Survey held at

Leith

Date, first Survey

Last Survey

18

Master

Built at

Inverkeithing

When built

Inverkeithing

1840-10 mo

Tons

443

Owners

J. Cormack

Port belonging to

Leith

Classed

Years
assigned.

Character in Register Book.

90871

10.7.71

YEAR.

Diameter of Cylinder 20" x 36"

Length of Stroke

24"

Engines made at

Inverkeithing

When made 1840-10 m.

Pressure of Steam

50 lbs

Registered Horse Power

60

By whom made

John Scott & Sons

Particulars of Repairs and Examination

Boiler. Thoroughly examined, Furnace & Bottom of Combustion Chamber plating drilled in places where it appeared to be thinnest. found it to be $\frac{1}{32}$ " thick at these spots. The Centre Furnace has a piece fitted into the one side of it about 8" broad, which makes it somewhat flat. The Wing Furnaces are nearly circular (cap printed). The Longitudinal Stays (three in number) originally 3" dia. Corroded at one place, one of them to $2\frac{3}{8}$ " dia. The Combustion Chambers are plating flat and partly radial on the Top. Stays in flat of Top $21" \times 4"$ pitch.

The following Repairs, as recommended have not been satisfactorily completed. 1. 6" 4 Longitudinal Stays $1\frac{1}{2}$ " dia. $1\frac{1}{8}$ " ends. fitted with nuts and lock washers, carried through the Steam Space.

5 Guide Stays, with two Studs in each fitted on the Top of Combustion Chambers and the Studs fitted with nuts.

An Angle iron ring fitted on the Centre Furnace.

An Angle iron stiffening bar fitted on the upper side of bottom plating of Combustion Chamber, carried well up to the commencement of screw stays inside. The Combustion Chamber plating is quite straight and the screw stays all in good condition. They having been renewed when the Boiler was last repaired. Several rivets in the ends renewed.

With the above Repairs, I am of opinion this Boiler is now in an efficient and safe working condition for a pressure of 50 lbs for twelve months. When it should be again Surveyed by one of the Society's Surveyors.

The Amount of Fee ... £ ... received by me, Certificate (if required) ... £ ... 187

(Travelling Expenses, if any, £2-12-6) Paid in

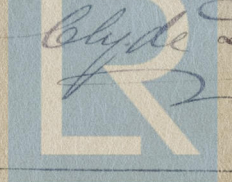
Committee's Minute

15th July,

18

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

Clyde District



Lloyd's Register
Foundation

160485-0293

23856 & Iron

Sketch in red showing what has
now been done

M

56

End plate doubled
all over with plate $\frac{10}{16}$ "

