

Diameter of tubes $3\frac{1}{2}$ " pitch of tubes $4\frac{7}{8}$ " thickness of tube plates, front $\frac{11}{16}$ " back $\frac{5}{8}$ "
 How stayed *Nuts & tubes* pitch of stays $15 \times 9\frac{3}{4}$ " width of water spaces $6\frac{1}{2}$ " to 8 "
 Diameter of Superheater or Steam chest $3-6$ " length $7-6$ "
 Thickness of plates $\frac{1}{2}$ " description of longitudinal joint *double lap* diameter of rivet holes $\frac{7}{8}$ " pitch of rivets 4 "
 Working pressure of shell by rules 110 lbs. Diameter of flue — thickness of plates —
 If stiffened with rings — distance between rings — Working pressure by rules —
 End plates of superheater, or steam chest; thickness $\frac{3}{4}$ " How stayed *One centre stay*.
 Superheater or steam chest; how connected to boiler *Wt iron neck, double riveted!*

DONKEY BOILER— Description *Cylindrical - Multitubular*
 Made at *Paisley* By whom made *Fleming & Ferguson* when made 1882
 Where fixed *In Stead* working pressure 60 lbs. Tested by hydraulic pressure to 120 lbs. No. of Certificate 762
 Fire grate area $15\frac{3}{4}$ sq ft Description of safety valves *Spring* No. of safety valves *One* area of each 7 sq in
 If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *No*
 Diameter of donkey boiler $8-0$ " length $8-0$ " description of riveting *Lap - helix*
 thickness of shell plates $\frac{7}{16}$ " diameter of rivet holes $\frac{13}{16}$ " whether punched or drilled *Drilled*
 pitch of rivets 4 " lap of plating $6\frac{3}{8}$ " per centage of strength of joint 76
 thickness of crown plates — stayed by —
 Diameter of furnace, top $3-0$ " bottom — length of furnace $5-6$ top. $7-0$ bottom
 thickness of plates $\frac{7}{16}$ " description of joint *Double butt sharp*
 thickness of furnace crown plates — stayed by —
 Working pressure of shell by rules 60 lbs. working pressure of furnace by rules 67 lbs.
 diameter of uptake — thickness of plates — thickness of water tubes —

The foregoing is a correct description,
Fleming & Ferguson Manufacturer.

General Remarks (State quality of workmanship, opinions as to class, &c.)

These engines & boilers have been constructed under special survey they are of good material & workmanship, they have been well fitted on board, satisfactorily tested under steam & are therefore in my opinion eligible to be classed "ALLOYD'S M.C." 7-82 in the Register Book.

I may say that this vessel is fitted with Kunstadter's Patent Screw Propelling & Steering apparatus.

It is submitted that this vessel is eligible to have an inspection & survey in 6 months in view of the connections being examined by me of the screw propellers in 6 months.

R.S. 24/7/82

The amount of Entry Fee .. £ 3 : 0 : 0 received by me,
 Special £ 30 : 0 : 0
 Certificate (if required) .. £
 To be sent as per margin. £ 33 : 0 : 0
 (Travelling Expenses, if any, £)

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

Committee's Minute Friday, 21st July, 1882.

Robert Edmund Taylor & Co. Surveyors, 11, Abchurch Lane, London, E.C. 4.
 Glasgow Lloyd's Register of British & Foreign Shipping
 Glasgow 22/7/82