

Diameter of tubes $3\frac{1}{2}$ pitch of tubes 5 thickness of tube plates, front $\frac{11}{16}$ back $\frac{11}{16}$
 How stayed *stay tubes* pitch of stays 15 width of water spaces —
 Diameter of Superheater or Steam chest — length —
 Thickness of plates — description of longitudinal joint — diameter of rivet holes — pitch of rivets —
 Working pressure of shell by rules — 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 — How stayed —
 Superheater or steam chest; how connected to boiler —

DONKEY BOILER— Description *Cochran's Patent*
 Made at *Newcastle* By whom made *Clarke, Chapman & Gurney* when made *4-81*
 Where fixed *Main Deck* working pressure *55 lbs* Tested by hydraulic pressure to *110 lbs* No. of Certificate *573*
 Fire grate area *20 ft* Description of safety valves *Spring* No. of safety valves *1* area of each *9.6*
 If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *no*
 Diameter of donkey boiler *5'-6"* length *13.0* description of riveting *Long, seams double Riveted*
 thickness of shell plates $\frac{3}{8}$ diameter of rivet holes $\frac{3}{4}$ whether punched or drilled *punched*
 pitch of rivets *3"* lap of plating *2 1/2"* per centage of strength of joint *75%*
 thickness of crown plates $\frac{1}{2}$ stayed by *H. Gussat stays 10" x 1/2"*
 Diameter of furnace, top *27" Radius* bottom *5'-0"* length of furnace *3.6*
 thickness of plates $\frac{7}{16}$ description of joint *Lap single Riveted*
 thickness of furnace crown plates $\frac{1}{2}$ stayed by *27" Radius*
 Working pressure of shell by rules *66 lbs* working pressure of furnace by rules *70 lbs*
 diameter of uptake — thickness of plates — thickness of water tubes —

The foregoing is a correct description,
William Williams Manufacturer.

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

The machinery of this vessel has been specially surveyed during construction, the materials and workmanship good and render the vessel eligible in my opinion to have the notification \star Lloyd's M. R. Recorded in the Society's Register Book, subject to the boilers being inspected every six months by one of the Society's Engineer Surveyors, as per the committee's approval 15th July 1880

This submitted that this vessel is eligible to have the notification & Lloyd's M. R. recorded subject to the boilers being re-surveyed in six months on account of their novelty.
M 13/6/81

Thomas Wilson
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.
North Shields

The amount of Entry Fee £ 3 : - : - received by me,
 Special *M.A.* £ 35 : - : -
 Certificate (if required) *gratis* - : - : - 31st May 1881
 To be sent as per margin.
 (Travelling Expenses, if any, £)

Committee's Minute Tuesday, June, 14th 1881.
Lloyd's Reg.
Lt to Owners 14/6/81