

DONKEY BOILER— Description *Vertical 3 water tubes.*
 Made at *Hyde* by whom made *Linker Bros.* when made *1889* where fixed *Upper deck*
 Working pressure *40 lbs* tested by hydraulic pressure to *140 lbs.* No. of Certificate *807* fire grate area *20.0 sq ft* description of safety valves *Cockburns Spz.* No. of safety valves *2* area of each *4.9* if fitted with easing gear *yes* if steam from main boilers enter the donkey boiler *no* diameter of donkey boiler *6-0"* length *9-6"* description of riveting *Laps joints*
 Thickness of shell plates *7/16"* diameter of rivet holes *3/4"* whether punched or drilled *drilled* pitch of rivets *3"* lap of plating *4 1/4"*
 per centage of strength of joint *68* thickness of crown plates *1/2"* stayed by *bished 44 stays 2" dia.*
 Diameter of furnace, top *4-7"* bottom *5-1"* length of furnace *4-6"* thickness of plates *1/2"* description of joint *welded*
 Thickness of furnace crown plates *15/32"* stayed by *same as shell crown* working pressure of shell by rules *87 lbs*
 Working pressure of furnace by rules *66 lbs.* diameter of uptake *1-10"* thickness of plates *7/16"* thickness of water tubes *1/32"*
4 row of screw stays.

SPARE GEAR. State the articles supplied:— *2 steel propeller blades; 1 pair of Crank pin brasses; slide valve spindle; 1 set of coupling bolts; 2 main bearing bolts; a set of connecting rod bolts for one rod; 12 joint ring bolts; 1 set of Rambottom rings for each piston; 4 fud + 2 bilge pump valves + seats; one set of metallic rubber valves for air pump; 1 Air pump rod; 1 set of prop. blade studs; 100 furnace bars; 3 safety valve springs &c. &c. &c. &c.*
 The foregoing is a correct description, *Hulme & Co. Ltd.* Manufacturer.

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

The Machinery of this steamer has been constructed in accordance with the approved plan of main Boilers of S.S. "Lancashire" Bel. Rep. N^o 3594 which see. the amended plan shewing attachment of C.C. bottom to shell of boiler; the Secretary's letter of 22nd Aug. 1888; the Rules of the Society or equal thereto and to the Satisfaction of the undersigned.

The Steel used in the construction of Boilers has been tested as required by the Rules & endorsed copies of invoices received.

The Boilers and main steam pipes were tested to twice the working pressure without shewing any signs of weakness or leakage; the machinery was tested under steam; the engines working full speed and the safety valves adjusted to 180 lbs. W.P. on main and 40 lbs. W.P. on donkey boiler.

All the material used in the construction of the machinery and the workmanship throughout are good and satisfactory. I would therefore respectfully recommend that the Special Notification + L.M.C. 1089 be granted.

Bar

It is submitted that this vessel is eligible to have + L.M.C. 1089 recorded. *N.A. 7.10.89*

The amount of Entry Fee .. £ 3 : 0 : 0 received by me,
 Special £ 45 : 0 : 0 5.10.89
 Donkey Boiler Fee £
 Certificate (if required) .. £ 18.89
 To be sent as per margin.
 (Travelling Expenses, if any, £)

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

Committee's Minute
 TUES 6 OCT 1889
 + S.M.C. 10, 89

