





**DONKEY BOILER—** Description *Circular horizontal Multitubular Steel*  
Made at *Belfast* by whom made *MacShane Lewis & Co* when made *1888* where fixed *Upper deck*  
Working pressure *60 lbs* tested by hydraulic pressure to *120 lbs* No. of Certificate *37* fire grate area \_\_\_\_\_ description of safety valves \_\_\_\_\_  
No. of safety valves *See accompanying fittings* if steam from main boilers \_\_\_\_\_  
enter the donkey boiler \_\_\_\_\_ diameter of donkey boiler \_\_\_\_\_ length \_\_\_\_\_ description of riveting \_\_\_\_\_  
Thickness of shell plates \_\_\_\_\_ diameter of rivet holes \_\_\_\_\_ whether punched or drilled \_\_\_\_\_ pitch of rivets \_\_\_\_\_ lap of plating \_\_\_\_\_  
per centage of strength of joint \_\_\_\_\_ thickness of crown plates \_\_\_\_\_ stayed by \_\_\_\_\_  
Diameter of furnace, top \_\_\_\_\_ bottom \_\_\_\_\_ length of furnace \_\_\_\_\_ thickness of plates \_\_\_\_\_ description of joint \_\_\_\_\_  
Thickness of furnace crown plates \_\_\_\_\_ stayed by \_\_\_\_\_ working pressure of shell by rules \_\_\_\_\_  
Working pressure of furnace by rules \_\_\_\_\_ diameter of uptake \_\_\_\_\_ thickness of plates \_\_\_\_\_ thickness of water tubes \_\_\_\_\_

**SPARE GEAR.** State the articles supplied:— *1 spare propeller, 1 circulating & 1 air pump rod, 1 slide valve spindle; 2 feed & bilge valves; 2 bottom & 2 top end bolts and nuts for connecting rod; 2 main bearing bolts & nuts; 1 set of coupling bolts; 1 set of air pump valves, 1 set of cr. pump valves, 1 set of springs for S.P. piston, 1 set of air pump valves, 1 set of cr. pump valves, 1 set of springs for S.P. piston, The foregoing is a correct description, Spare Mainbottom spring for M. & H. pistons, nuts & bolts of various sizes & assorted, and suitable bars of iron.*  
*MacShane Lewis & Co. Manufacturer.*  
*John H. MacShane, Director*

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

*The machinery of above steamer has been constructed & fitted on board in accordance with the plans of Boilers approved by the Committee the Secretary's letters dated 9th Jan. 25th April & 6th July, 1888; the Rules of the Society or equal thereto for scantlings and arrangements of machinery for First Entry Survey and to the satisfaction of the undersigned.*

*The steel for Boilers has been tested according to the Rules and the boilers under hydraulic and steam pressures giving entire satisfaction.*

*The safety valves are to be adjusted at Liverpool intimating of which was sent to the Surveyors.*

*The material used in the construction of the machinery and the workmanship throughout are good and satisfactory; I would therefore respectfully recommend to the Committee's favourable consideration the Owners application for the Notification LMC and the entry of same in the Society's Register Book.*

The amount of Entry Fee ... £ 2 : 0 : 0 received by me,  
Special ... £ 32 : 0 : 0  
Donkey Boiler Fee ... £ : :  
Certificate (if required) ... £ : : 12.10.1888  
(To be sent as per margin.)  
(Travelling Expenses, if any, £ )

Committee's Minute

TUES 23 OCT 1888

+ LMC 10, 88

*It is submitted that this vessel is eligible to have + LMC 10. 88 recorded. 22.10.*

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

Lloyd's Register  
Foundation