

DONKEY BOILER— Description *Vertical with uptake and cross water tubes*
 Made at *Belfast* by whom made *Neter Coates & Co* when made *1890* where fixed *Fore end of stockhold*
 Working pressure *90 lbs* tested by hydraulic pressure to *180 lbs*. No. of Certificate *82, 24/9/90* fire grate area *15.90 sq ft* description of safety valves *Cox's* No. of safety valves *One* area of each *7.07* ^{sq inches} if fitted with easing gear *Yes* if steam from main boilers can enter the donkey boiler *No* diameter of donkey boiler *5'-0"* length *12'-0"* description of riveting *Lap & double riveted*
 Thickness of shell plates *13/32"* diameter of rivet holes *13/16"* whether punched or drilled *Drilled* pitch of rivets *2 3/4"* lap of plating *4"*
 per centage of strength of joint *40* thickness of crown plates *9/16"* stayed by *Four 1 1/2" iron stays - 4 uptake*
 Diameter of furnace, top *3'-7"* bottom *4'-4"* length of furnace *6'-6"* thickness of plates *7/16"* description of joint *Lapped and single riveted*
 Thickness of furnace crown plates *9/16"* stayed by *Four 1 1/2" iron stays, uptake & convexity* working pressure of shell by rules *94 lbs*
 Working pressure of furnace by rules *90 lbs* diameter of uptake *13 1/2" to 15"* thickness of plates *1/2"* thickness of water tubes *3/8" 13, 12, 13 in*

SPARE GEAR. State the articles supplied:— *2 Con. rod top end, ditto bottom end bolts and nuts, 2 main bearing bolts, 1 set of coupling bolts, 1 set of feed and bilge pump valves, (Patent piston springs), 12 junk ring bolts, 6 iron bars of various sizes, four dozen bolts & nuts etc etc.*

The foregoing is a correct description,
Neter Coates & Co Manufacturer.
W. Stearnson

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, the Secretary's letter of the 3rd June 1889; the Rules of the Society for new machinery, or equal thereto and to the satisfaction of the undersigned.
 The main and donkey boilers, steam receiver and main steam pipes were tested by hydraulic pressure to 180 lbs per sq. inch being twice the working pressure.
 The safety valves were adjusted under steam to 90 lbs. working pressure, both the main and donkey boilers.
 All shafting when finished was examined and found free from any visible defect.
 The material used in the construction and the workmanship throughout were good and satisfactory and I am of opinion that the machinery is eligible for the notification **+L.M.C. 9-90**.

It is submitted that this vessel is eligible to have +L.M.C. 9-90 recorded
N.A.
8-9-90

The amount of Entry Fee .. £ *2 : 0 : 0* received by me
 Special .. £ *22 : 10 : 0*
 Donkey Boiler Fee .. £ *1 : 0 : 0*
 Certificate (if required) .. £ *Dralls* *10/9/90* *18/90*
 To be sent as per margin.
 (Travelling Expenses, if any, £ ..)

Committee's Minute **TUES 9 SEPT 1890**
+ L.M.C. 9/90

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

