

VERTICAL DONKEY BOILER— Manufacturers of Steel

No.	Description			
Made at	By whom made	When made	Where fixed	
Working pressure	tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted	Date of adjustment
If fitted with easing gear	If steam from main boilers can enter the donkey boiler		Dia. of donkey boiler	Length
Material of shell plates	Thickness	Range of tensile strength	Descrip. of riveting long. seams	
Dia. of rivet holes	Whether punched or drilled	Pitch of rivets	Lap of plating	Per centage of strength of joint
Working pressure of shell by rules	Thickness of shell crown plates	Radius of do.	No. of stays to do.	Dia. of stays
Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates	Description of joint
Working pressure of furnace by rules	Thickness of furnace crown plates	Radius of do.	Stayed by	
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey	

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Dunnell Manufacturer.

Dates of Survey while building: During progress of work in shops --- 1913. Nov. 12. 19. 26. Dec. 4. 11. 19. 30. 1914. Jan. 14. 23. 30. Feb. 2. 12. 16.
 During erection on board vessel ---
 Total No. of visits 13.

Is the approved plan of main boiler forwarded herewith
 " " " donkey " " "

Dates of Examination of principal parts—Cylinders 4. 12. 13. Slides 30. 1. 14. Covers 4. 12. 13. Pistons 14. 1. 14. Rods 14.
 Connecting rods 4. 12. 13. Crank shaft 12. 2. 14. Thrust shaft 12. 2. 14. Tunnel shafts 14. 1. 14. Screw shaft 19. 12. 13. Propeller 19.
 Stern tube 19. 12. 13. Steam pipes tested (one) 16. 2. 14. Engine and boiler seatings. Engines holding down bolts
 Completion of pumping arrangements. Boilers fixed. Engines tried under steam
 Main boiler safety valves adjusted. Thickness of adjusting washers
 Material of Crank shaft Identification Mark on Do. and Material of Thrust shaft steel Identification Mark on Do. 48.
 Material of Tunnel shafts steel Identification Marks on Do. 484 AC. Material of Screw shafts steel Identification Marks on Do. 48.
 Material of Steam Pipes (one) Iron. Test pressure 390 lbs. ✓

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

The engines and boiler of this vessel have been constructed under special survey in accordance with the rules and approved plans enclosed. Materials and workmanship are good.

This machinery is being shipped to Calcutta. When it has been fitted board, safety valves adjusted, engines tried under steam and arrangements made for protecting the intermediate shafts and for giving access to bearings of same the vessel will be eligible to have the notation + LMC (with do)

Glasgow

The amount of Entry Fee .. £	1 : 0 :	When applied for,
2/3 Special £	6 : 18 :	24. 2. 19. 14.
Donkey Boiler Fee £	:	When received,
Travelling Expenses (if any) £	:	26. 2. 19. 14.

Harry Clarke
 Engineer Surveyor to Lloyd's Register of British & Foreign Ships

Committee's Minute GLASGOW 24 FEB. 1914

TUE. NOV. 17. 1914

Assigned Deferred for completion

+ L.M.C. 10. 14



Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)