

1958 5 Jun

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER SURVEYOR'S REPORT ON MACHINERY.

### ENGINES.

Rev 8/11/77

Description Compound Inverted  
Made by J. Clark & Co  
When Oct 18 77 At Newcastle  
Diameter of cylinder 26 & 48 Length of stroke 30  
No. of revolutions per minute 70  
Point of cut off 1/2 stroke, 2/3 in LP.  
Diameter of screw shaft 8"  
Diameter of crank shaft journals 8"  
Diameter of screw, or of paddle wheel 12 ft  
Pitch of screw 15 6  
No. of blades, 4 Total surface 34 sq feet  
No. of bilge pumps 2 and sizes 3 1/2 x 15"  
Do they pump from each compartment yes Engine Room only

Are all the bilge suction pipes fitted with roses yes  
No. of feed pumps 2 and sizes 3 1/2 x 15 stroke  
What gauges are there attached to the engines and boilers ... 1 Steam in Stokehold. 1 Steam, 1 Vac & 1 Comp. in Engine Room Ballast. 8" x 10  
Description and size of Donkey Pumps ... small donkey 4" x 10" from fore & aft tanks  
Where do they pump from ... Bilges and sea in Eng. room & aft well  
No. of bilge injections one and sizes 4"  
Are they connected to air, or circulating pumps circulating  
Is there a hand pump in the engine room no  
Can it be worked by the main engines yes  
Is there a deck hose of sufficient length to reach to any part of the vessel yes

### MAIN BOILERS.

Number One Description Cylindrical  
Made by J. Clark & Co  
When Oct 18 77 At Newcastle  
Working pressure 65 lbs per sq inch  
Tested by hydraulic pressure to 130 lbs, Date Sept 7 77  
Description of super-heating apparatus none  
Can each boiler be worked separately only one

Can the super-heater be shut off and the boilers worked separately yes  
Description and area of safety valves on each boiler 2 Spring valves. 5" diameter  
No. of square feet of fire-grate surface in each boiler 44 sq feet  
Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin yes  
Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times yes

### DONKEY BOILER.

Description Vertical 3 cross tubes  
Where fixed Stokehold  
Working pressure 50 lbs

Tested by hydraulic pressure to 100 lbs, Date 9/10/77  
Description and area of safety valves 8 weight 3 inch = 7.0 sq  
No. of square feet of fire grate 12.5 sq feet

Clark Chapman & Burney Gutterhead

### PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship yes  
Are they Kingston valves or common cocks ... Cocks & valves  
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates yes  
Are the discharge pipes above or below the deep water line above  
Are they each fitted with a discharge valve on the plating of the vessel yes

What pipes are carried through the bunkers none  
How are they protected new  
When were the stern tube, propeller, screw shaft, and all connections examined in dry dock yes  
Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge yes  
Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead yes

J. Clark & Co Manufacturer.

Safety valves eased 66  
" " closed 65  
" " accounts 68.

We hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Cambroune owned by Messrs Angelina Gueret of the Port of Nantes of 525.46 Tons Register, and 98 Registered Horse Power, and that they have been carefully inspected and examined by me at Newcastle and found to be at this date, viz., October 17<sup>th</sup> 1877 in good order and safe working condition.

Amount of Fee for Survey ... £ 4.10.0 Paid by George W. Marshall & James Milton  
(Travelling Expenses if any) £ 0.5.0 me  
Engine Surveyors to Lloyd's Register of Shipping.  
North Shields