

No. 210

S. S. Glymene

23954. Iron.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rec 17/7/19
10.30

Description *Compound Inverted Surface Condensing*
 Made by *Blair & Co. (Linn)*
 When *July* 18*99* At *Stockton on Tees*
 Diameter of cylinder *32" & 60"* Length of stroke *39"*
 No. of revolutions per minute *About 63*
 Point of cut off *About 1/2 stroke*
 Diameter of screw shaft *1 1/2"*
 Diameter of crank shaft journals *11"*
 Diameter of screw, or of paddle wheel *14' 6"*
 Pitch of screw *About 16' 0"*
 No. of blades, *4* Total surface *Not ascertained*
 No. of bilge pumps *3* and sizes *4" x 28 1/2" Single Acting*
 Do they pump from each compartment *For 2 bilge pumps draws from ballast tanks engine room, after well, fore hold & tunnel. After pump draws from engine room & after well*

Are all the bilge suction pipes fitted with roses *Yes*
 No. of feed pumps *2* and sizes *4" x 28 1/2" Single Acting*
 What gauges are there attached to the engines and boilers ... *2 Steam 1 Vacuum*
 Description and size of Donkey Pumps *8 1/2" pump 1 1/2" dia x 9 1/2" Double Acting 2 1/2" 4" x 8"*
 Where do they pump from *after well, fore hold & tunnel. 2 1/2" from Sea, fore hold & engine room*
 No. of bilge injections *1* and sizes *6"*
 Are they connected to air, or circulating pump *Circulating Pump*
 Is there a hand pump in the engine room *Donkeys work by hand*
 Can it be worked by the main engines *No*
 Is there a deck hose of sufficient length which to any part of the vessel *Yes*

MAIN BOILERS.

Number *One* Description *Cylindrical Vertical at both ends*
 Made by *Blair & Co. (Linn)*
 When *July* 18*99* At *Stockton on Tees*
 Working pressure *82 lbs*
 Tested by hydraulic pressure to *164 lbs*, Date *27/5/99*
 Description of super-heating apparatus *None*
 Can each boiler be worked separately *Only one boiler in ship*

Can the super-heater be shut off and the boilers worked separately *No Superheater*
 Description and area of safety valves on each boiler *Two Spring valves 4 1/2" dia Combined area 31.8 sq in*
 No. of square feet of fire-grate surface in each boiler *56 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 *All except suction pipe in holds when ship*

Description *Vertical Water tubes in furnace*
 Where fixed *In stokehole*
 Working pressure *60 lbs*

DONKEY

BOILER Made by *M. Porter Stockton on Tees*
 Tested by hydraulic pressure to *120 lbs*, Date *31/5/99*
 Description and area of safety valves *1 direct 2 1/4" dia = 7.9 sq in*
 No. of square feet of fire grate *11 sq 2 1/4" 15.9 sq feet*

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 ... *Stop valves and cocks*
 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 *Below*
 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 *"*
 When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *New*
 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 *Tunnel not watertight Sluice door fitted*

Blair & Co. S. S. Glymene
 Manufacturers of Engines & Main Boilers only

I 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 *Glymene* owned by *H. Clouke*
 of the Port of *London* of *9 1/4* Tons Register and *140* Registered Horse Power,
 and that they have been carefully inspected and examined by me at *Stockton on Tees*
 and found to be at this date, viz., *27th July* 18*99* in good order and safe working condition.

Donkey Boiler Survey Fee... £ *7*
 Amount of Fee for Survey Certificate... £ *5*
 (Travelling Expenses, if any, £ *15*)

Amos Blair
 Engineer Surveyor to Lloyd's Register of Shipping.

The Machinery and Boilers of the vessel.
have been built and fitted in accordance
with the rules submitted that she is
eligible to have Lloyd's M.C.C.
a meeting certificate from 7 July

1879

M 17.7.79



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