

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rev 22/6/76

Description *Compound Inverted*
 Made by *C. D. Holmes & Co*
 When *April 18/76* At *Hull*
 Diameter of cylinder *24 1/2* Length of stroke *36*
 No. of revolutions per minute *524*
 Point of cut off *About 1/2 stroke*
 Diameter of screw shaft *9 1/8*
 Diameter of crank shaft journals *10 1/2*
 Diameter of screw, or of paddle wheel *14 1/2*
 Pitch of screw *15 feet*
 No. of blades, *4* Total surface *—*
 No. of bilge pumps *2* and sizes *4 1/4 dia x 36 ins*
 Do they pump from each compartment *yes*

Are all the bilge suction pipes fitted with roses *yes*
 No. of feed pumps *2* and sizes *2 1/2 x 36*
 What gauges are there attached to the engines and boilers ... *2 Steam 1 Vacuum*
 Description and size of Donkey Pumps ... *Vertical Double Acting 5" dia 4" stroke*
 Where do they pump from ... *From sea and bilge*
 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 *yes*
 Can it be worked by the main engines *no*
 Is there a deck hose of sufficient length to reach to any part of the vessel *yes*

MAIN BOILERS.

Number *One* Description *Tubular Circular*
 Made by *Holmes & Co &*
 When *18/76* At *Hull*
 Working pressure *90 lb*
 Tested by hydraulic pressure to *140 lb*, Date *21/4/76*
 Description of super-heating apparatus *Cylindrical*
 Can each boiler be worked separately *only one*

Can the super-heater be shut off and the boilers worked separately *no*
 Description and area of safety valves on each boiler *Adams Patent*
 No. of square feet of fire-grate surface in each boiler *4859 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 *Cylindrical, Vertical*
 fixed *Main Deck*
 g pressure *60 lbs*

Tested by hydraulic pressure to *120 lb*, Date *19/4/76*
 Description and area of safety valves *800 1109 ins*
 No. of square feet of fire grate *2009 ft*

PIPES, COCKS, AND CONNECTIONS.

Connections with the sea on the skin of the ship *yes*
 Kingston valves *Common Cocks*
 Common cocks ... *—*
 Fixed sufficiently high on ship's side to be seen at lifting the stoke hold *yes*
 Discharge pipes above or the deep water line *Above*
 Each fitted with a discharge 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 *April 18/76*
 Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge *Efficient arrangement*
 Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *no*

Manufacturer.

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 *Albanian* owned by *Brown, Atkinson & Co* of the Port of *Hull* of *842* Tons Register, and *180* Registered Horse Power, and that they have been carefully inspected and examined by me at *Hull* and found to be at this date, viz., *April 25th* 18 *76* in good order and safe working condition.

William Parlier
 Engineer Surveyor to Lloyd's Register of Shipping.
 London