

SHIP'S NAME *Pelaw*

23344 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Description *Inverted.* Are all the bilge suction pipes fitted with roses *yes*
 Made by *North Eastern M & Co.* No. of feed pumps *One* and sizes *3" dia x 30" str.*
 When *1879* At *Sunderland* What gauges are there attached to the engines and boilers ... } *2 Steam*
 Diameter of cylinder *38* Length of stroke *30* } *1 Vacuum*
 No. of revolutions per minute *62* Description and size of Donkey Pumps ... } *2 Donkeys, Double Acting*
 Point of cut off *About 1/3 stroke* Where do they pump from } *Sea, bilge & Tanks*
 Diameter of screw shaft *Not ascertained* } *8 inches*
 Diameter of crank shaft journals *8 inches* No. of bilge injections *One* and sizes
 Diameter of screw, or of paddle wheel *8 inches 12 feet* Are they connected to air, or circulating pumps *Circulating*
 Pitch of screw *12 to 15 feet.* Is there a hand pump in the engine room *No*
 No. of blades, *4* Total surface *not ascertained* Can it be worked by the main engines
 No. of bilge pumps *1* and sizes *3" dia x 30" str.* Is there a deck hose of sufficient length to reach to any part of the vessel } *yes.*
 Do they pump from each compartment *from engine room only*

MAIN BOILERS.

Number *One* Description *Cylindrical* Can the super-heater be shut off and the boilers worked separately } *None*
 Made by *Dudgeon & Co.* Description and area of safety valves on each boiler } *2 Spring valves*
 When *1879* At *London* No. of square feet of fire-grate surface in each boiler }
 Working pressure *45 lbs per sq inch* Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin } *yes*
 Tested by hydraulic pressure to *90 lbs.* Date Description of super-heating apparatus } *None*
 Can each boiler be worked separately *Only one* Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times } *yes*

Second hand DONKEY BOILER. Fitted at this time
 Description *Vertical* Tested by hydraulic pressure to *not tested* Date
 Where fixed *Deck* Description and area of safety valves *1 Lever & 1 1/2 weight 40 lbs*
 Working pressure *30 lbs* No. of square feet of fire grate *16 sq feet.*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship } *yes.* What pipes are carried through the bunkers *Tank filling pipe*
 Are they Kingston valves or common cocks ... } *Values & Cocks* How are they protected *Ceiling*
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates } *yes.* When were the stern tube, propeller, screw shaft, and all connections examined in dry dock } *at this survey*
 Are the discharge pipes above or below the deep water line } *About just below* Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge } *yes.*
 Are they each fitted with a discharge valve on the plating of the vessel } *yes.* Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead } *Sluice door fitted*

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 *Pelaw* owned by *One Steam & Co.*
 of the Port of *London* of *593* Tons Register, and *90* Registered Horse Power,
 and that they have been carefully inspected and examined by me at *London*
 and found to be at this date, viz., *April 23rd* 18 *79* in good order and safe working condition.

Amount of Fee for Survey *See attached form.*

(Travelling Expenses, if any, £.....)

James J. Milton
Engineer Surveyor to Lloyd's Register of Shipping.

London
Lloyd's Register Foundation
120484-0224