16813 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

Report (if any) on Hull of Vessel. Port ..... No. .....

ENGINES.

Description: Compound Inverted
Made by: Black Hawthorn & Co
When: 18 72 At Gateshead
Diameter of cylinder: 6. 25" & 48" Length of stroke: 30"
No. of revolutions per minute: 60
Point of cut off: not ascertained
Diameter of screw shaft: 8 inches
Diameter of crank shaft journals:
Diameter of screw, or of paddle wheel: 12. 6.
Pitch of screw: About 17 ft.
No. of blades: 4 Total surface: not ascertained
No. of bilge pumps: 2 and sizes: 2 7/8 ×
Do they pump from each compartment: from Eng Room only

Are all the bilge suction pipes fitted with roses: no
No. of feed pumps: 2 and sizes: 2 7/8 ×
What gauges are there attached to the engines and boilers ...: 1 Steam on Boiler, 1 " on Engines, 1 vacuum on Eng.
Description and size of Donkey Pumps ...: Two, sizes not ascertained
Where do they pump from .....: one from tanks & bilge, one from sea & bilge
No. of bilge injections: 1 and sizes:
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: —
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: Black Hawthorn & Co.
When: 18 72 At Gateshead
Working pressure: 65 lbs.
Tested by hydraulic pressure to ~~80~~ 70 lbs, Date: Aug 76 after repairs.
Description of super-heating apparatus .....: Annular in funnel.
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 .....: Two Lever & weight 39.26 sq inches
No. of square feet of fire-grate surface in each boiler: 45 3/4 sq ft.
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,
Where fixed: On Deck.
Working pressure: 35 lbs

Tested by hydraulic pressure to —, Date:
Description and area of safety valves: One Dead weight, one lever & weight
No. of square feet of fire grate: 10 square 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 ...: Com Cocks and screw down valves
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates .....: no
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: one to pulsimiter
How are they protected: Close to Deck.
When were the ~~stern tube~~, propeller, screw shaft, and all connections examined in dry dock: at this time
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

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 Agnes & Louisa *owned by* Stephenson Clark & Co *of the Port of* London *of* 436 *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.,* August 5th 18 76. *in good order and safe working condition.*

~~Fee £3. 3s. 0d.~~

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

(27~~10~~/1/76.)

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IRON467-0442